

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD012523\  
 Data File : VD075193.D  
 Acq On : 25 Jan 2023 09:19  
 Operator : KP/SY  
 Sample : VSTDCCC050  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050

Quant Time: Jan 25 15:53:43 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D011823S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jan 19 01:32:27 2023  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Krupa Patel 01/26/2023  
 Supervised By :Mahesh Dadoda 01/26/2023

| Compound                     | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                        |                |      |                     |         |        |          |
| Internal Standards           |                |      |                     |         |        |          |
| 1) Pentafluorobenzene        | 7.875          | 168  | 70057               | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.781          | 114  | 120312              | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.581         | 117  | 107227              | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.522         | 152  | 51109               | 50.000  | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.234          | 65   | 36933               | 51.663  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 50 - 163 |      | Recovery = 103.320% |         |        |          |
| 35) Dibromofluoromethane     | 7.805          | 113  | 38745               | 53.294  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 54 - 147 |      | Recovery = 106.580% |         |        |          |
| 50) Toluene-d8               | 10.269         | 98   | 153160              | 53.506  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 49 - 140 |      | Recovery = 107.020% |         |        |          |
| 62) 4-Bromofluorobenzene     | 12.575         | 95   | 48425               | 53.304  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 25 - 144 |      | Recovery = 106.600% |         |        |          |
| Target Compounds             |                |      |                     |         |        |          |
|                              |                |      |                     |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.934          | 85   | 27545               | 50.529  | ug/l   | 100      |
| 3) Chloromethane             | 2.146          | 50   | 44974               | 49.696  | ug/l   | 94       |
| 4) Vinyl Chloride            | 2.281          | 62   | 45832               | 47.198  | ug/l   | 96       |
| 5) Bromomethane              | 2.687          | 94   | 30900               | 46.789  | ug/l   | 99       |
| 6) Chloroethane              | 2.840          | 64   | 32593               | 48.407  | ug/l   | 99       |
| 7) Trichlorofluoromethane    | 3.175          | 101  | 63400               | 51.365  | ug/l   | 99       |
| 8) Diethyl Ether             | 3.593          | 74   | 19490               | 49.007  | ug/l   | 93       |
| 9) 1,1,2-Trichlorotrifluo... | 3.969          | 101  | 40480               | 53.125  | ug/l   | 97       |
| 10) Methyl Iodide            | 4.164          | 142  | 48035               | 46.830  | ug/l   | 97       |
| 11) Tert butyl alcohol       | 5.046          | 59   | 9529                | 191.069 | ug/l # | 86       |
| 12) 1,1-Dichloroethene       | 3.940          | 96   | 40419               | 50.387  | ug/l   | 98       |
| 13) Acrolein                 | 3.793          | 56   | 10829               | 265.050 | ug/l   | 98       |
| 14) Allyl chloride           | 4.558          | 41   | 65853               | 50.584  | ug/l   | 96       |
| 15) Acrylonitrile            | 5.258          | 53   | 44058               | 261.995 | ug/l   | 100      |
| 16) Acetone                  | 4.022          | 43   | 55608               | 294.931 | ug/l   | 96       |
| 17) Carbon Disulfide         | 4.269          | 76   | 130564              | 50.182  | ug/l   | 100      |
| 18) Methyl Acetate           | 4.564          | 43   | 27020               | 52.722  | ug/l   | 99       |
| 19) Methyl tert-butyl Ether  | 5.316          | 73   | 87893               | 52.452  | ug/l   | 98       |
| 20) Methylene Chloride       | 4.805          | 84   | 47470               | 48.022  | ug/l   | 98       |
| 21) trans-1,2-Dichloroethene | 5.316          | 96   | 46017               | 51.531  | ug/l   | 93       |
| 22) Diisopropyl ether        | 6.216          | 45   | 125158              | 51.653  | ug/l   | 97       |
| 23) Vinyl Acetate            | 6.158          | 43   | 274969m             | 257.479 | ug/l   |          |
| 24) 1,1-Dichloroethane       | 6.116          | 63   | 79138               | 51.971  | ug/l   | 97       |
| 25) 2-Butanone               | 7.081          | 43   | 62454               | 274.066 | ug/l   | 91       |
| 26) 2,2-Dichloropropane      | 7.075          | 77   | 68053               | 50.134  | ug/l   | 99       |
| 27) cis-1,2-Dichloroethene   | 7.081          | 96   | 51532               | 52.939  | ug/l   | 97       |
| 28) Bromochloromethane       | 7.422          | 49   | 20539               | 49.403  | ug/l   | 94       |
| 29) Tetrahydrofuran          | 7.446          | 42   | 34467               | 265.185 | ug/l   | 98       |
| 30) Chloroform               | 7.599          | 83   | 80837               | 53.236  | ug/l   | 97       |
| 31) Cyclohexane              | 7.875          | 56   | 71695               | 50.006  | ug/l   | 97       |
| 32) 1,1,1-Trichloroethane    | 7.793          | 97   | 68650               | 52.476  | ug/l   | 99       |
| 36) 1,1-Dichloropropene      | 8.010          | 75   | 62347               | 53.376  | ug/l   | 99       |
| 37) Ethyl Acetate            | 7.169          | 43   | 25853               | 54.937  | ug/l   | 97       |
| 38) Carbon Tetrachloride     | 7.993          | 117  | 55752               | 56.688  | ug/l   | 97       |
| 39) Methylcyclohexane        | 9.275          | 83   | 75556               | 52.488  | ug/l   | 95       |
| 40) Benzene                  | 8.252          | 78   | 176946              | 53.119  | ug/l   | 99       |

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 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050

Quant Time: Jan 25 15:53:43 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D011823S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jan 19 01:32:27 2023  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

Reviewed By :Krupa Patel 01/26/2023  
 Supervised By :Mahesh Dadoda 01/26/2023

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 7.399  | 41   | 14115    | 49.847   | ug/l # | 92       |
| 42) 1,2-Dichloroethane        | 8.328  | 62   | 47196    | 53.938   | ug/l   | 99       |
| 43) Isopropyl Acetate         | 8.357  | 43   | 48638    | 53.111   | ug/l   | 98       |
| 44) Trichloroethene           | 9.028  | 130  | 48605    | 51.888   | ug/l   | 97       |
| 45) 1,2-Dichloropropane       | 9.304  | 63   | 43356    | 52.837   | ug/l   | 98       |
| 46) Dibromomethane            | 9.399  | 93   | 23969    | 55.388   | ug/l   | 95       |
| 47) Bromodichloromethane      | 9.587  | 83   | 58180    | 54.191   | ug/l   | 97       |
| 48) Methyl methacrylate       | 9.381  | 41   | 23790    | 53.124   | ug/l   | 93       |
| 49) 1,4-Dioxane               | 9.387  | 88   | 4375     | 1058.983 | ug/l   | 88       |
| 51) 4-Methyl-2-Pentanone      | 10.157 | 43   | 119412   | 271.536  | ug/l   | 98       |
| 52) Toluene                   | 10.334 | 92   | 111761   | 53.091   | ug/l   | 97       |
| 53) t-1,3-Dichloropropene     | 10.551 | 75   | 52925    | 52.105   | ug/l   | 97       |
| 54) cis-1,3-Dichloropropene   | 10.016 | 75   | 65751    | 52.985   | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane     | 10.734 | 97   | 31746    | 55.432   | ug/l   | 95       |
| 56) Ethyl methacrylate        | 10.599 | 69   | 37212    | 54.030   | ug/l   | 99       |
| 57) 1,3-Dichloropropane       | 10.881 | 76   | 52957    | 53.813   | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 9.869  | 63   | 60149    | 255.227  | ug/l   | 97       |
| 59) 2-Hexanone                | 10.922 | 43   | 91055    | 286.358  | ug/l   | 99       |
| 60) Dibromochloromethane      | 11.075 | 129  | 37475    | 54.289   | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 11.181 | 107  | 29323    | 53.589   | ug/l   | 98       |
| 64) Tetrachloroethene         | 10.810 | 164  | 38041    | 49.681   | ug/l   | 98       |
| 65) Chlorobenzene             | 11.610 | 112  | 116751   | 53.136   | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 11.681 | 131  | 39240    | 53.096   | ug/l   | 97       |
| 67) Ethyl Benzene             | 11.687 | 91   | 214307   | 54.186   | ug/l   | 100      |
| 68) m/p-Xylenes               | 11.793 | 106  | 165226   | 108.143  | ug/l   | 98       |
| 69) o-Xylene                  | 12.122 | 106  | 76765    | 53.564   | ug/l   | 98       |
| 70) Styrene                   | 12.140 | 104  | 129898   | 54.524   | ug/l   | 99       |
| 71) Bromoform                 | 12.298 | 173  | 20745    | 54.361   | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.422 | 105  | 201495   | 49.911   | ug/l   | 99       |
| 74) N-amyl acetate            | 12.234 | 43   | 42070    | 47.572   | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane | 12.675 | 83   | 33097    | 51.456   | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 12.728 | 75   | 20162m   | 46.579   | ug/l   |          |
| 77) Bromobenzene              | 12.704 | 156  | 44186    | 47.918   | ug/l   | 95       |
| 78) n-propylbenzene           | 12.763 | 91   | 252036   | 50.805   | ug/l   | 98       |
| 79) 2-Chlorotoluene           | 12.851 | 91   | 137007   | 50.215   | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene    | 12.904 | 105  | 167965   | 50.782   | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.469 | 75   | 9458     | 50.683   | ug/l   | 97       |
| 82) 4-Chlorotoluene           | 12.951 | 91   | 141105   | 50.301   | ug/l   | 98       |
| 83) tert-Butylbenzene         | 13.169 | 119  | 144183   | 50.381   | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 13.216 | 105  | 167026   | 51.420   | ug/l   | 98       |
| 85) sec-Butylbenzene          | 13.345 | 105  | 224104   | 51.548   | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.463 | 119  | 183285   | 51.495   | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.463 | 146  | 91077    | 50.954   | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene       | 13.540 | 146  | 89342    | 50.802   | ug/l   | 99       |
| 89) n-Butylbenzene            | 13.792 | 91   | 178387   | 51.433   | ug/l   | 99       |
| 90) Hexachloroethane          | 14.057 | 117  | 32151    | 51.153   | ug/l   | 97       |
| 91) 1,2-Dichlorobenzene       | 13.834 | 146  | 76557    | 50.062   | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.451 | 75   | 5131     | 52.172   | ug/l   | 97       |
| 93) 1,2,4-Trichlorobenzene    | 15.104 | 180  | 47820    | 47.621   | ug/l   | 100      |
| 94) Hexachlorobutadiene       | 15.204 | 225  | 24061    | 48.891   | ug/l   | 99       |
| 95) Naphthalene               | 15.334 | 128  | 91929    | 45.986   | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.522 | 180  | 40820    | 47.639   | ug/l   | 99       |

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Sample : VSTDCCC050  
Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

Manual Integrations  
APPROVED

Reviewed By :Krupa Patel 01/26/2023  
Supervised By :Mahesh Dadoda 01/26/2023

Quant Time: Jan 25 15:53:43 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D011823S.M  
Quant Title : SW846 8260  
QLast Update : Thu Jan 19 01:32:27 2023  
Response via : Initial Calibration

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

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

