

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY111022\  
 Data File : VY011386.D  
 Acq On : 10 Nov 2022 13:00  
 Operator : KP/MD  
 Sample : VSTDICV050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 ICVVY111022

Manual Integrations  
 APPROVED

Reviewed By :Krupa Patel 11/11/2022  
 Supervised By :Mahesh Dadoda 11/11/2022

Quant Time: Nov 10 17:48:55 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y111022S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Nov 10 17:47:26 2022  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|---------|--------|----------|
| -----                        |                |      |            |         |        |          |
| Internal Standards           |                |      |            |         |        |          |
| 1) Pentafluorobenzene        | 7.789          | 168  | 310885     | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.685          | 114  | 484675     | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.490         | 117  | 436934     | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.422         | 152  | 217518     | 50.000  | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |            |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.137          | 65   | 120452     | 46.237  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 50 - 163 |      | Recovery = | 92.480% |        |          |
| 35) Dibromofluoromethane     | 7.716          | 113  | 129672     | 47.740  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 54 - 147 |      | Recovery = | 95.480% |        |          |
| 50) Toluene-d8               | 10.179         | 98   | 474532     | 45.730  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 49 - 140 |      | Recovery = | 91.460% |        |          |
| 62) 4-Bromofluorobenzene     | 12.477         | 95   | 177089     | 48.928  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 25 - 144 |      | Recovery = | 97.860% |        |          |
| Target Compounds             |                |      |            |         |        |          |
|                              |                |      |            |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.900          | 85   | 89414      | 48.050  | ug/l   | 99       |
| 3) Chloromethane             | 2.113          | 50   | 113702     | 45.506  | ug/l   | 97       |
| 4) Vinyl Chloride            | 2.247          | 62   | 134896     | 45.800  | ug/l   | 98       |
| 5) Bromomethane              | 2.650          | 94   | 98849      | 46.347  | ug/l   | 98       |
| 6) Chloroethane              | 2.790          | 64   | 90413      | 46.229  | ug/l   | 100      |
| 7) Trichlorofluoromethane    | 3.125          | 101  | 219107     | 47.149  | ug/l   | 93       |
| 8) Diethyl Ether             | 3.528          | 74   | 82462      | 50.532  | ug/l   | 73       |
| 9) 1,1,2-Trichlorotrifluo... | 3.900          | 101  | 137180     | 48.690  | ug/l   | 95       |
| 10) Methyl Iodide            | 4.088          | 142  | 181177     | 48.216  | ug/l   | 90       |
| 11) Tert butyl alcohol       | 4.948          | 59   | 80363      | 251.091 | ug/l   | 99       |
| 12) 1,1-Dichloroethene       | 3.869          | 96   | 135245     | 48.483  | ug/l # | 78       |
| 13) Acrolein                 | 3.729          | 56   | 18587      | 240.906 | ug/l   | 95       |
| 14) Allyl chloride           | 4.473          | 41   | 188612     | 50.103  | ug/l # | 83       |
| 15) Acrylonitrile            | 5.161          | 53   | 203589     | 261.098 | ug/l   | 96       |
| 16) Acetone                  | 3.942          | 43   | 178828     | 260.136 | ug/l # | 79       |
| 17) Carbon Disulfide         | 4.192          | 76   | 387302     | 46.614  | ug/l   | 99       |
| 18) Methyl Acetate           | 4.473          | 43   | 92875      | 48.676  | ug/l # | 81       |
| 19) Methyl tert-butyl Ether  | 5.216          | 73   | 379962     | 52.081  | ug/l   | 95       |
| 20) Methylene Chloride       | 4.710          | 84   | 201223     | 54.526  | ug/l # | 79       |
| 21) trans-1,2-Dichloroethene | 5.216          | 96   | 155327     | 48.837  | ug/l   | 84       |
| 22) Diisopropyl ether        | 6.119          | 45   | 411033     | 51.160  | ug/l # | 88       |
| 23) Vinyl Acetate            | 6.058          | 43   | 1286533    | 273.719 | ug/l # | 88       |
| 24) 1,1-Dichloroethane       | 6.015          | 63   | 259215     | 49.546  | ug/l   | 98       |
| 25) 2-Butanone               | 6.978          | 43   | 258010     | 263.488 | ug/l # | 81       |
| 26) 2,2-Dichloropropane      | 6.978          | 77   | 240869     | 49.229  | ug/l   | 94       |
| 27) cis-1,2-Dichloroethene   | 6.984          | 96   | 178683     | 49.919  | ug/l   | 84       |
| 28) Bromochloromethane       | 7.332          | 49   | 97258      | 51.188  | ug/l # | 70       |
| 29) Tetrahydrofuran          | 7.344          | 42   | 160181     | 270.049 | ug/l # | 77       |
| 30) Chloroform               | 7.503          | 83   | 272157     | 49.185  | ug/l   | 99       |
| 31) Cyclohexane              | 7.783          | 56   | 223081     | 47.655  | ug/l   | 87       |
| 32) 1,1,1-Trichloroethane    | 7.698          | 97   | 246482     | 49.251  | ug/l   | 94       |
| 36) 1,1-Dichloropropene      | 7.917          | 75   | 208639     | 49.490  | ug/l   | 96       |
| 37) Ethyl Acetate            | 7.070          | 43   | 108033     | 53.347  | ug/l # | 89       |
| 38) Carbon Tetrachloride     | 7.899          | 117  | 226782     | 49.454  | ug/l   | 100      |
| 39) Methylcyclohexane        | 9.179          | 83   | 259060     | 50.291  | ug/l   | 88       |
| 40) Benzene                  | 8.161          | 78   | 620644     | 49.300  | ug/l   | 98       |

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 ALS Vial : 11 Sample Multiplier: 1

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 ClientSampleId :  
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 Quant Title : SW846 8260  
 QLast Update : Thu Nov 10 17:47:26 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 7.307  | 41   | 58869m   | 56.138   | ug/l   |          |
| 42) 1,2-Dichloroethane        | 8.234  | 62   | 167114   | 50.653   | ug/l   | 89       |
| 43) Isopropyl Acetate         | 8.271  | 43   | 194961   | 53.366   | ug/l # | 84       |
| 44) Trichloroethene           | 8.935  | 130  | 175032   | 49.494   | ug/l   | 100      |
| 45) 1,2-Dichloropropane       | 9.216  | 63   | 149292   | 49.827   | ug/l   | 95       |
| 46) Dibromomethane            | 9.301  | 93   | 89750    | 51.448   | ug/l   | 97       |
| 47) Bromodichloromethane      | 9.496  | 83   | 211314   | 50.558   | ug/l   | 100      |
| 48) Methyl methacrylate       | 9.289  | 41   | 90397    | 55.061   | ug/l # | 74       |
| 49) 1,4-Dioxane               | 9.295  | 88   | 25995    | 1091.503 | ug/l # | 80       |
| 51) 4-Methyl-2-Pentanone      | 10.069 | 43   | 542300   | 276.041  | ug/l # | 82       |
| 52) Toluene                   | 10.240 | 92   | 403312   | 50.168   | ug/l   | 95       |
| 53) t-1,3-Dichloropropene     | 10.465 | 75   | 222098   | 51.535   | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 9.929  | 75   | 255190   | 51.305   | ug/l # | 78       |
| 55) 1,1,2-Trichloroethane     | 10.642 | 97   | 131055   | 51.878   | ug/l   | 98       |
| 56) Ethyl methacrylate        | 10.508 | 69   | 180582   | 55.589   | ug/l # | 70       |
| 57) 1,3-Dichloropropane       | 10.789 | 76   | 219181   | 52.010   | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether | 9.783  | 63   | 402735   | 268.196  | ug/l   | 92       |
| 59) 2-Hexanone                | 10.831 | 43   | 390675   | 280.711  | ug/l   | 79       |
| 60) Dibromochloromethane      | 10.984 | 129  | 159953   | 51.295   | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 11.087 | 107  | 125554   | 51.691   | ug/l   | 100      |
| 64) Tetrachloroethene         | 10.715 | 164  | 173683   | 49.729   | ug/l   | 97       |
| 65) Chlorobenzene             | 11.514 | 112  | 435343   | 49.781   | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 11.587 | 131  | 164181   | 50.179   | ug/l   | 98       |
| 67) Ethyl Benzene             | 11.593 | 91   | 770964   | 50.453   | ug/l   | 97       |
| 68) m/p-Xylenes               | 11.703 | 106  | 608195   | 101.520  | ug/l   | 93       |
| 69) o-Xylene                  | 12.026 | 106  | 288909   | 51.130   | ug/l   | 92       |
| 70) Styrene                   | 12.044 | 104  | 492507   | 51.850   | ug/l   | 95       |
| 71) Bromoform                 | 12.203 | 173  | 106464   | 52.496   | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.325 | 105  | 765498   | 50.917   | ug/l   | 99       |
| 74) N-amyl acetate            | 12.142 | 43   | 177104   | 55.993   | ug/l # | 80       |
| 75) 1,1,2,2-Tetrachloroethane | 12.581 | 83   | 150796   | 52.205   | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane    | 12.630 | 75   | 111367m  | 44.231   | ug/l   |          |
| 77) Bromobenzene              | 12.605 | 156  | 180851   | 50.304   | ug/l   | 95       |
| 78) n-propylbenzene           | 12.672 | 91   | 911649   | 50.820   | ug/l   | 97       |
| 79) 2-Chlorotoluene           | 12.752 | 91   | 514534   | 50.153   | ug/l   | 97       |
| 80) 1,3,5-Trimethylbenzene    | 12.813 | 105  | 643342   | 50.735   | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-b... | 12.374 | 75   | 54703    | 52.223   | ug/l # | 81       |
| 82) 4-Chlorotoluene           | 12.855 | 91   | 533069   | 50.053   | ug/l   | 98       |
| 83) tert-Butylbenzene         | 13.075 | 119  | 564054   | 51.449   | ug/l   | 93       |
| 84) 1,2,4-Trimethylbenzene    | 13.117 | 105  | 637385   | 51.209   | ug/l   | 98       |
| 85) sec-Butylbenzene          | 13.251 | 105  | 817676   | 50.667   | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.367 | 119  | 697322   | 51.549   | ug/l   | 97       |
| 87) 1,3-Dichlorobenzene       | 13.361 | 146  | 360273   | 50.200   | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene       | 13.440 | 146  | 357049   | 50.309   | ug/l   | 99       |
| 89) n-Butylbenzene            | 13.697 | 91   | 632695   | 52.052   | ug/l   | 98       |
| 90) Hexachloroethane          | 13.959 | 117  | 133939   | 50.606   | ug/l   | 93       |
| 91) 1,2-Dichlorobenzene       | 13.739 | 146  | 323360   | 50.792   | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropr... | 14.355 | 75   | 25630    | 54.458   | ug/l   | 75       |
| 93) 1,2,4-Trichlorobenzene    | 15.001 | 180  | 206672   | 55.068   | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 15.111 | 225  | 116186   | 52.401   | ug/l   | 99       |
| 95) Naphthalene               | 15.233 | 128  | 433577   | 52.511   | ug/l   | 98       |
| 96) 1,2,3-Trichlorobenzene    | 15.422 | 180  | 181597   | 56.032   | ug/l   | 99       |

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ALS Vial : 11 Sample Multiplier: 1

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| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

