

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY111822\  
 Data File : VY011512.D  
 Acq On : 18 Nov 2022 19:20  
 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 11/21/2022  
 Supervised By :Mahesh Dadoda 11/21/2022

Quant Time: Nov 19 22:42:29 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y111822S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Nov 19 22:37:14 2022  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|---------|--------|----------|
| -----                        |                |      |            |         |        |          |
| Internal Standards           |                |      |            |         |        |          |
| 1) Pentafluorobenzene        | 7.789          | 168  | 175401     | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.691          | 114  | 277863     | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.495         | 117  | 258751     | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.428         | 152  | 134582     | 50.000  | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |            |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.142          | 65   | 84493      | 47.441  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 50 - 163 |      | Recovery = | 94.880% |        |          |
| 35) Dibromofluoromethane     | 7.722          | 113  | 81064      | 47.392  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 54 - 147 |      | Recovery = | 94.780% |        |          |
| 50) Toluene-d8               | 10.179         | 98   | 292234     | 47.015  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 49 - 140 |      | Recovery = | 94.020% |        |          |
| 62) 4-Bromofluorobenzene     | 12.483         | 95   | 112534     | 48.967  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 25 - 144 |      | Recovery = | 97.940% |        |          |
| Target Compounds             |                |      |            |         |        |          |
|                              |                |      |            |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.906          | 85   | 19793      | 16.153  | ug/l   | 97       |
| 3) Chloromethane             | 2.113          | 50   | 42766      | 26.604  | ug/l   | 96       |
| 4) Vinyl Chloride            | 2.253          | 62   | 44375      | 22.368  | ug/l   | 100      |
| 5) Bromomethane              | 2.656          | 94   | 40793      | 30.665  | ug/l   | 100      |
| 6) Chloroethane              | 2.802          | 64   | 35906      | 25.940  | ug/l   | 98       |
| 7) Trichlorofluoromethane    | 3.131          | 101  | 67001      | 23.024  | ug/l   | 96       |
| 8) Diethyl Ether             | 3.533          | 74   | 34836      | 37.039  | ug/l   | 94       |
| 9) 1,1,2-Trichlorotrifluo... | 3.899          | 101  | 39463      | 23.452  | ug/l   | 95       |
| 10) Methyl Iodide            | 4.094          | 142  | 57104      | 29.127  | ug/l   | 95       |
| 11) Tert butyl alcohol       | 4.954          | 59   | 44026      | 225.237 | ug/l   | 99       |
| 12) 1,1-Dichloroethene       | 3.875          | 96   | 40362      | 26.185  | ug/l   | 88       |
| 13) Acrolein                 | 3.729          | 56   | 8007       | 170.503 | ug/l   | 96       |
| 14) Allyl chloride           | 4.485          | 41   | 89005      | 32.893  | ug/l   | 93       |
| 15) Acrylonitrile            | 5.161          | 53   | 114263     | 222.430 | ug/l   | 98       |
| 16) Acetone                  | 3.948          | 43   | 113796     | 196.707 | ug/l   | 93       |
| 17) Carbon Disulfide         | 4.198          | 76   | 110443     | 25.852  | ug/l   | 99       |
| 18) Methyl Acetate           | 4.478          | 43   | 59806      | 44.445  | ug/l   | 97       |
| 19) Methyl tert-butyl Ether  | 5.228          | 73   | 181248     | 41.201  | ug/l   | 96       |
| 20) Methylene Chloride       | 4.716          | 84   | 90044      | 39.254  | ug/l   | 93       |
| 21) trans-1,2-Dichloroethene | 5.228          | 96   | 54174      | 30.414  | ug/l   | 91       |
| 22) Diisopropyl ether        | 6.124          | 45   | 235022     | 39.790  | ug/l   | 94       |
| 23) Vinyl Acetate            | 6.064          | 43   | 748017     | 217.409 | ug/l   | 98       |
| 24) 1,1-Dichloroethane       | 6.021          | 63   | 113627     | 32.765  | ug/l   | 99       |
| 25) 2-Butanone               | 6.984          | 43   | 164387     | 216.218 | ug/l   | 96       |
| 26) 2,2-Dichloropropane      | 6.984          | 77   | 93835      | 29.317  | ug/l   | 96       |
| 27) cis-1,2-Dichloroethene   | 6.984          | 96   | 71619      | 34.153  | ug/l   | 93       |
| 28) Bromochloromethane       | 7.338          | 49   | 75810      | 54.414  | ug/l   | 97       |
| 29) Tetrahydrofuran          | 7.350          | 42   | 100713     | 234.566 | ug/l   | 95       |
| 30) Chloroform               | 7.508          | 83   | 126354     | 35.133  | ug/l   | 97       |
| 31) Cyclohexane              | 7.789          | 56   | 71125      | 24.093  | ug/l   | 94       |
| 32) 1,1,1-Trichloroethane    | 7.703          | 97   | 94605      | 29.406  | ug/l   | 97       |
| 36) 1,1-Dichloropropene      | 7.923          | 75   | 73748      | 27.582  | ug/l   | 99       |
| 37) Ethyl Acetate            | 7.076          | 43   | 65513      | 43.029  | ug/l   | 97       |
| 38) Carbon Tetrachloride     | 7.905          | 117  | 80445      | 26.892  | ug/l   | 97       |
| 39) Methylcyclohexane        | 9.185          | 83   | 69707      | 23.362  | ug/l   | 94       |
| 40) Benzene                  | 8.161          | 78   | 252677     | 32.442  | ug/l   | 97       |

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 Sample : VSTDCCC050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050EC

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Quant Time: Nov 19 22:42:29 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y111822S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Nov 19 22:37:14 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.313  | 41   | 32684m   | 42.458  | ug/l   |          |
| 42) 1,2-Dichloroethane        | 8.240  | 62   | 88794    | 36.863  | ug/l   | 93       |
| 43) Isopropyl Acetate         | 8.277  | 43   | 117652   | 42.835  | ug/l   | 97       |
| 44) Trichloroethene           | 8.941  | 130  | 63944    | 30.514  | ug/l   | 98       |
| 45) 1,2-Dichloropropane       | 9.221  | 63   | 70761    | 35.544  | ug/l   | 96       |
| 46) Dibromomethane            | 9.307  | 93   | 42933    | 38.570  | ug/l   | 97       |
| 47) Bromodichloromethane      | 9.496  | 83   | 103418   | 36.884  | ug/l   | 95       |
| 48) Methyl methacrylate       | 9.295  | 41   | 55354    | 45.373  | ug/l   | 92       |
| 49) 1,4-Dioxane               | 9.301  | 88   | 12556    | 910.836 | ug/l   | 92       |
| 51) 4-Methyl-2-Pentanone      | 10.069 | 43   | 347504   | 227.598 | ug/l   | 94       |
| 52) Toluene                   | 10.246 | 92   | 161593   | 32.809  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene     | 10.465 | 75   | 106505   | 38.001  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene   | 9.929  | 75   | 116206   | 36.856  | ug/l # | 88       |
| 55) 1,1,2-Trichloroethane     | 10.648 | 97   | 62677    | 39.357  | ug/l   | 96       |
| 56) Ethyl methacrylate        | 10.514 | 69   | 84825    | 42.828  | ug/l   | 88       |
| 57) 1,3-Dichloropropane       | 10.788 | 76   | 106302   | 39.414  | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether | 9.782  | 63   | 261732   | 269.823 | ug/l   | 98       |
| 59) 2-Hexanone                | 10.831 | 43   | 243869   | 223.787 | ug/l   | 93       |
| 60) Dibromochloromethane      | 10.989 | 129  | 76867    | 39.386  | ug/l   | 98       |
| 61) 1,2-Dibromoethane         | 11.093 | 107  | 58833    | 40.473  | ug/l   | 100      |
| 64) Tetrachloroethene         | 10.721 | 164  | 62353    | 29.243  | ug/l   | 98       |
| 65) Chlorobenzene             | 11.520 | 112  | 182668   | 33.713  | ug/l   | 97       |
| 66) 1,1,1,2-Tetrachloroethane | 11.593 | 131  | 74913    | 36.479  | ug/l   | 98       |
| 67) Ethyl Benzene             | 11.593 | 91   | 315047   | 32.203  | ug/l   | 99       |
| 68) m/p-Xylenes               | 11.703 | 106  | 241238   | 64.777  | ug/l   | 98       |
| 69) o-Xylene                  | 12.032 | 106  | 118880   | 34.286  | ug/l   | 96       |
| 70) Styrene                   | 12.044 | 104  | 212122   | 35.840  | ug/l   | 97       |
| 71) Bromoform                 | 12.209 | 173  | 50775    | 40.641  | ug/l # | 98       |
| 73) Isopropylbenzene          | 12.331 | 105  | 298541   | 30.672  | ug/l   | 99       |
| 74) N-amyl acetate            | 12.148 | 43   | 99974    | 41.594  | ug/l # | 91       |
| 75) 1,1,2,2-Tetrachloroethane | 12.587 | 83   | 77832    | 40.580  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 12.635 | 75   | 64940m   | 44.806  | ug/l   |          |
| 77) Bromobenzene              | 12.611 | 156  | 78324    | 34.462  | ug/l   | 97       |
| 78) n-propylbenzene           | 12.672 | 91   | 356005   | 29.981  | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 12.757 | 91   | 217134   | 32.443  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 12.812 | 105  | 255737   | 31.170  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.379 | 75   | 27027    | 40.844  | ug/l   | 92       |
| 82) 4-Chlorotoluene           | 12.855 | 91   | 225109   | 32.166  | ug/l   | 100      |
| 83) tert-Butylbenzene         | 13.074 | 119  | 208709   | 29.204  | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene    | 13.123 | 105  | 262192   | 32.355  | ug/l   | 100      |
| 85) sec-Butylbenzene          | 13.257 | 105  | 298261   | 27.972  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.373 | 119  | 253915   | 28.533  | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene       | 13.367 | 146  | 149304   | 32.271  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.446 | 146  | 147783   | 31.945  | ug/l   | 98       |
| 89) n-Butylbenzene            | 13.696 | 91   | 218100   | 26.661  | ug/l   | 99       |
| 90) Hexachloroethane          | 13.965 | 117  | 50978    | 28.368  | ug/l   | 89       |
| 91) 1,2-Dichlorobenzene       | 13.739 | 146  | 139167   | 33.934  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.355 | 75   | 12745    | 40.519  | ug/l   | 92       |
| 93) 1,2,4-Trichlorobenzene    | 15.007 | 180  | 64877    | 28.521  | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 15.111 | 225  | 34037    | 24.072  | ug/l   | 99       |
| 95) Naphthalene               | 15.239 | 128  | 156758   | 34.249  | ug/l   | 98       |
| 96) 1,2,3-Trichlorobenzene    | 15.428 | 180  | 58856    | 30.191  | ug/l   | 98       |

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ALS Vial : 25 Sample Multiplier: 1

Instrument :  
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ClientSampleId :  
VSTDCCC050EC

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Quant Title : SW846 8260  
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Response via : Initial Calibration

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

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

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