

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY011024\  
 Data File : VY016963.D  
 Acq On : 10 Jan 2024 10:16  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050

Manual Integrations  
 APPROVED

Reviewed By :Mahesh Dadoda 01/11/2024  
 Supervised By :Semsettin Yesilyurt 01/11/2024

Quant Time: Jan 11 00:08:29 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y010224S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jan 02 14:25:32 2024  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response            | Conc    | Units | Dev(Min) |
|------------------------------|----------------|------|---------------------|---------|-------|----------|
| -----                        |                |      |                     |         |       |          |
| Internal Standards           |                |      |                     |         |       |          |
| 1) Pentafluorobenzene        | 7.801          | 168  | 109367              | 50.000  | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.703          | 114  | 182503              | 50.000  | ug/l  | 0.00     |
| 63) Chlorobenzene-d5         | 11.502         | 117  | 155969              | 50.000  | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.434         | 152  | 69515               | 50.000  | ug/l  | 0.00     |
| System Monitoring Compounds  |                |      |                     |         |       |          |
| 33) 1,2-Dichloroethane-d4    | 8.155          | 65   | 55957               | 51.767  | ug/l  | 0.00     |
| Spiked Amount 50.000         | Range 50 - 163 |      | Recovery = 103.540% |         |       |          |
| 35) Dibromofluoromethane     | 7.728          | 113  | 63641               | 54.723  | ug/l  | 0.00     |
| Spiked Amount 50.000         | Range 54 - 147 |      | Recovery = 109.440% |         |       |          |
| 50) Toluene-d8               | 10.191         | 98   | 225721              | 56.364  | ug/l  | 0.00     |
| Spiked Amount 50.000         | Range 58 - 134 |      | Recovery = 112.720% |         |       |          |
| 62) 4-Bromofluorobenzene     | 12.495         | 95   | 74594               | 55.208  | ug/l  | 0.00     |
| Spiked Amount 50.000         | Range 30 - 143 |      | Recovery = 110.420% |         |       |          |
| Target Compounds             |                |      |                     |         |       |          |
|                              |                |      |                     |         |       | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.912          | 85   | 38561               | 46.605  | ug/l  | 99       |
| 3) Chloromethane             | 2.119          | 50   | 70238               | 54.670  | ug/l  | 100      |
| 4) Vinyl Chloride            | 2.260          | 62   | 86218               | 56.894  | ug/l  | 98       |
| 5) Bromomethane              | 2.662          | 94   | 60345               | 55.584  | ug/l  | 97       |
| 6) Chloroethane              | 2.802          | 64   | 59802               | 58.337  | ug/l  | 99       |
| 7) Trichlorofluoromethane    | 3.137          | 101  | 103465              | 55.411  | ug/l  | 99       |
| 8) Diethyl Ether             | 3.540          | 74   | 30481               | 51.080  | ug/l  | 99       |
| 9) 1,1,2-Trichlorotrifluo... | 3.912          | 101  | 65456               | 53.914  | ug/l  | 100      |
| 10) Methyl Iodide            | 4.107          | 142  | 57476               | 55.647  | ug/l  | 99       |
| 11) Tert butyl alcohol       | 4.966          | 59   | 18092               | 227.022 | ug/l  | 100      |
| 12) 1,1-Dichloroethene       | 3.887          | 96   | 57530               | 55.228  | ug/l  | 99       |
| 13) Acrolein                 | 3.735          | 56   | 26937               | 227.819 | ug/l  | 100      |
| 14) Allyl chloride           | 4.491          | 41   | 92803               | 56.354  | ug/l  | 98       |
| 15) Acrylonitrile            | 5.174          | 53   | 69092               | 247.538 | ug/l  | 100      |
| 16) Acetone                  | 3.954          | 43   | 62405               | 232.560 | ug/l  | 97       |
| 17) Carbon Disulfide         | 4.210          | 76   | 124390              | 49.976  | ug/l  | 98       |
| 18) Methyl Acetate           | 4.491          | 43   | 63507               | 54.838  | ug/l  | 99       |
| 19) Methyl tert-butyl Ether  | 5.235          | 73   | 141798              | 52.323  | ug/l  | 97       |
| 20) Methylene Chloride       | 4.729          | 84   | 67719               | 48.209  | ug/l  | 98       |
| 21) trans-1,2-Dichloroethene | 5.235          | 96   | 64811               | 54.324  | ug/l  | 99       |
| 22) Diisopropyl ether        | 6.131          | 45   | 210924              | 55.402  | ug/l  | 95       |
| 23) Vinyl Acetate            | 6.070          | 43   | 439623              | 251.834 | ug/l  | 99       |
| 24) 1,1-Dichloroethane       | 6.033          | 63   | 129002              | 56.385  | ug/l  | 98       |
| 25) 2-Butanone               | 7.003          | 43   | 88247               | 238.796 | ug/l  | 100      |
| 26) 2,2-Dichloropropane      | 6.996          | 77   | 115625              | 58.288  | ug/l  | 98       |
| 27) cis-1,2-Dichloroethene   | 7.003          | 96   | 79713               | 56.998  | ug/l  | 98       |
| 28) Bromochloromethane       | 7.350          | 49   | 52848               | 61.529  | ug/l  | 99       |
| 29) Tetrahydrofuran          | 7.362          | 42   | 52071               | 238.008 | ug/l  | 99       |
| 30) Chloroform               | 7.521          | 83   | 134726              | 57.144  | ug/l  | 97       |
| 31) Cyclohexane              | 7.801          | 56   | 95752               | 51.612  | ug/l  | 100      |
| 32) 1,1,1-Trichloroethane    | 7.710          | 97   | 116257              | 58.155  | ug/l  | 99       |
| 36) 1,1-Dichloropropene      | 7.929          | 75   | 94560               | 55.792  | ug/l  | 100      |
| 37) Ethyl Acetate            | 7.088          | 43   | 35814               | 46.498  | ug/l  | 99       |
| 38) Carbon Tetrachloride     | 7.911          | 117  | 98947               | 57.462  | ug/l  | 99       |
| 39) Methylcyclohexane        | 9.197          | 83   | 104298              | 54.739  | ug/l  | 98       |
| 40) Benzene                  | 8.173          | 78   | 283115              | 55.685  | ug/l  | 97       |

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 Sample : VSTDCCC050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050

Manual Integrations  
 APPROVED

Reviewed By :Mahesh Dadoda 01/11/2024  
 Supervised By :Semsettin Yesilyurt 01/11/2024

Quant Time: Jan 11 00:08:29 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y010224S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jan 02 14:25:32 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 7.320  | 41   | 23098    | 56.941   | ug/l   | 96       |
| 42) 1,2-Dichloroethane        | 8.252  | 62   | 74544    | 55.228   | ug/l   | 99       |
| 43) Isopropyl Acetate         | 8.283  | 43   | 72143    | 48.912   | ug/l   | 98       |
| 44) Trichloroethene           | 8.953  | 130  | 72541    | 56.071   | ug/l   | 94       |
| 45) 1,2-Dichloropropane       | 9.228  | 63   | 73017    | 55.746   | ug/l   | 100      |
| 46) Dibromomethane            | 9.319  | 93   | 35502    | 53.145   | ug/l   | 99       |
| 47) Bromodichloromethane      | 9.508  | 83   | 101387   | 56.520   | ug/l   | 96       |
| 48) Methyl methacrylate       | 9.307  | 41   | 39676    | 49.844   | ug/l   | 94       |
| 49) 1,4-Dioxane               | 9.307  | 88   | 6983     | 1009.572 | ug/l   | 90       |
| 51) 4-Methyl-2-Pentanone      | 10.081 | 43   | 192307   | 245.162  | ug/l   | 100      |
| 52) Toluene                   | 10.258 | 92   | 177156   | 57.736   | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 10.478 | 75   | 88018    | 54.779   | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene   | 9.941  | 75   | 109247   | 56.615   | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane     | 10.654 | 97   | 51123    | 52.384   | ug/l   | 96       |
| 56) Ethyl methacrylate        | 10.520 | 69   | 43790    | 52.975   | ug/l   | 100      |
| 57) 1,3-Dichloropropane       | 10.801 | 76   | 86678    | 53.197   | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 9.795  | 63   | 119801   | 231.692  | ug/l   | 99       |
| 59) 2-Hexanone                | 10.843 | 43   | 133229   | 230.666  | ug/l   | 100      |
| 60) Dibromochloromethane      | 10.996 | 129  | 61220    | 54.396   | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.099 | 107  | 45464    | 53.619   | ug/l   | 99       |
| 64) Tetrachloroethene         | 10.734 | 164  | 55450    | 54.837   | ug/l   | 96       |
| 65) Chlorobenzene             | 11.526 | 112  | 184707   | 56.848   | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 11.599 | 131  | 69570    | 56.326   | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.605 | 91   | 345206   | 59.014   | ug/l   | 99       |
| 68) m/p-Xylenes               | 11.715 | 106  | 260055   | 121.117  | ug/l   | 99       |
| 69) o-Xylene                  | 12.044 | 106  | 120990   | 60.108   | ug/l   | 99       |
| 70) Styrene                   | 12.057 | 104  | 178226   | 60.837   | ug/l   | 99       |
| 71) Bromoform                 | 12.221 | 173  | 32343    | 53.192   | ug/l # | 97       |
| 73) Isopropylbenzene          | 12.343 | 105  | 335282   | 59.063   | ug/l   | 100      |
| 74) N-amyl acetate            | 12.154 | 43   | 57036    | 50.009   | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane | 12.593 | 83   | 56694    | 49.016   | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 12.642 | 75   | 38089m   | 50.492   | ug/l   |          |
| 77) Bromobenzene              | 12.617 | 156  | 68763    | 55.018   | ug/l   | 97       |
| 78) n-propylbenzene           | 12.684 | 91   | 408875   | 59.247   | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 12.770 | 91   | 220772   | 57.690   | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene    | 12.825 | 105  | 269146   | 59.950   | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.392 | 75   | 16406    | 49.385   | ug/l   | 98       |
| 82) 4-Chlorotoluene           | 12.867 | 91   | 227190   | 58.110   | ug/l   | 100      |
| 83) tert-Butylbenzene         | 13.087 | 119  | 240398   | 60.794   | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 13.130 | 105  | 265671   | 60.089   | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.264 | 105  | 354184   | 60.449   | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.379 | 119  | 297368   | 61.495   | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.379 | 146  | 139909   | 57.078   | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.459 | 146  | 133653   | 55.748   | ug/l   | 99       |
| 89) n-Butylbenzene            | 13.709 | 91   | 287021   | 61.734   | ug/l   | 100      |
| 90) Hexachloroethane          | 13.971 | 117  | 58360    | 56.164   | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene       | 13.751 | 146  | 118390   | 55.889   | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropr... | 14.367 | 75   | 6642     | 45.794   | ug/l   | 97       |
| 93) 1,2,4-Trichlorobenzene    | 15.019 | 180  | 60916    | 57.911   | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 15.123 | 225  | 37878    | 57.482   | ug/l   | 99       |
| 95) Naphthalene               | 15.251 | 128  | 101989   | 52.817   | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 15.440 | 180  | 50653    | 56.712   | ug/l   | 99       |

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Sample : VSTDCCC050  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
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VSTDCCC050

Manual Integrations  
APPROVED

Reviewed By :Mahesh Dadoda 01/11/2024  
Supervised By :Semsettin Yesilyurt 01/11/2024

Quant Time: Jan 11 00:08:29 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y010224S.M  
Quant Title : SW846 8260  
QLast Update : Tue Jan 02 14:25:32 2024  
Response via : Initial Calibration

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

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

