

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY061724\  
 Data File : VY018620.D  
 Acq On : 17 Jun 2024 20:41  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

Reviewed By :Mahesh Dadoda 06/18/2024  
 Supervised By :Semsettin Yesilyurt 06/18/2024

Quant Time: Jun 18 01:29:02 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y061324S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jun 14 07:08:24 2024  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                        |                |      |                     |         |        |          |
| Internal Standards           |                |      |                     |         |        |          |
| 1) Pentafluorobenzene        | 7.776          | 168  | 105482              | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.679          | 114  | 187415              | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.483         | 117  | 176730              | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.422         | 152  | 93072               | 50.000  | ug/l   | 0.00     |
|                              |                |      |                     |         |        |          |
| System Monitoring Compounds  |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.130          | 65   | 61648               | 58.050  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 50 - 163 |      | Recovery = 116.100% |         |        |          |
| 35) Dibromofluoromethane     | 7.703          | 113  | 60575               | 52.984  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 54 - 147 |      | Recovery = 105.960% |         |        |          |
| 50) Toluene-d8               | 10.172         | 98   | 233237              | 53.050  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 58 - 134 |      | Recovery = 106.100% |         |        |          |
| 62) 4-Bromofluorobenzene     | 12.477         | 95   | 79501               | 57.264  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 30 - 143 |      | Recovery = 114.520% |         |        |          |
|                              |                |      |                     |         |        |          |
| Target Compounds             |                |      |                     |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.893          | 85   | 38041               | 54.756  | ug/l   | 100      |
| 3) Chloromethane             | 2.101          | 50   | 109571              | 76.577  | ug/l   | 98       |
| 4) Vinyl Chloride            | 2.235          | 62   | 124920              | 70.498  | ug/l   | 99       |
| 5) Bromomethane              | 2.631          | 94   | 85903               | 65.223  | ug/l   | 93       |
| 6) Chloroethane              | 2.771          | 64   | 78612               | 67.723  | ug/l   | 100      |
| 7) Trichlorofluoromethane    | 3.094          | 101  | 135729              | 71.131  | ug/l   | 98       |
| 8) Diethyl Ether             | 3.509          | 74   | 38891               | 71.482  | ug/l   | 92       |
| 9) 1,1,2-Trichlorotrifluo... | 3.875          | 101  | 61882               | 62.069  | ug/l   | 94       |
| 10) Methyl Iodide            | 4.070          | 142  | 69374               | 57.445  | ug/l   | 96       |
| 11) Tert butyl alcohol       | 4.942          | 59   | 30562               | 159.991 | ug/l # | 81       |
| 12) 1,1-Dichloroethene       | 3.844          | 96   | 60593               | 60.477  | ug/l   | 92       |
| 13) Acrolein                 | 3.710          | 56   | 18415               | 299.855 | ug/l   | 99       |
| 14) Allyl chloride           | 4.454          | 41   | 89401               | 66.187  | ug/l   | 94       |
| 15) Acrylonitrile            | 5.143          | 53   | 89145               | 368.314 | ug/l   | 99       |
| 16) Acetone                  | 3.936          | 43   | 63269               | 292.827 | ug/l # | 86       |
| 17) Carbon Disulfide         | 4.167          | 76   | 172619              | 56.506  | ug/l   | 99       |
| 18) Methyl Acetate           | 4.460          | 43   | 49586               | 90.479  | ug/l   | 92       |
| 19) Methyl tert-butyl Ether  | 5.198          | 73   | 184074              | 68.873  | ug/l   | 97       |
| 20) Methylene Chloride       | 4.686          | 84   | 93332               | 74.478  | ug/l   | 93       |
| 21) trans-1,2-Dichloroethene | 5.192          | 96   | 72958               | 63.967  | ug/l   | 99       |
| 22) Diisopropyl ether        | 6.100          | 45   | 230327              | 75.534  | ug/l   | 97       |
| 23) Vinyl Acetate            | 6.039          | 43   | 898141              | 323.592 | ug/l   | 97       |
| 24) 1,1-Dichloroethane       | 5.990          | 63   | 130873              | 66.618  | ug/l   | 98       |
| 25) 2-Butanone               | 6.972          | 43   | 116118              | 358.535 | ug/l   | 92       |
| 26) 2,2-Dichloropropane      | 6.960          | 77   | 81353               | 49.152  | ug/l   | 99       |
| 27) cis-1,2-Dichloroethene   | 6.972          | 96   | 92697               | 67.286  | ug/l   | 98       |
| 28) Bromochloromethane       | 7.319          | 49   | 53577               | 66.539  | ug/l   | 88       |
| 29) Tetrahydrofuran          | 7.331          | 42   | 80386               | 404.455 | ug/l   | 93       |
| 30) Chloroform               | 7.490          | 83   | 140961              | 65.840  | ug/l   | 100      |
| 31) Cyclohexane              | 7.770          | 56   | 101617              | 62.466  | ug/l   | 98       |
| 32) 1,1,1-Trichloroethane    | 7.685          | 97   | 115473              | 63.487  | ug/l   | 98       |
| 36) 1,1-Dichloropropene      | 7.904          | 75   | 96280               | 61.182  | ug/l   | 98       |
| 37) Ethyl Acetate            | 7.063          | 43   | 53601               | 72.256  | ug/l   | 97       |
| 38) Carbon Tetrachloride     | 7.886          | 117  | 98778               | 59.830  | ug/l   | 97       |
| 39) Methylcyclohexane        | 9.173          | 83   | 121878              | 63.208  | ug/l   | 95       |
| 40) Benzene                  | 8.148          | 78   | 311191              | 63.941  | ug/l   | 98       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY061724\  
 Data File : VY018620.D  
 Acq On : 17 Jun 2024 20:41  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

Reviewed By :Mahesh Dadoda 06/18/2024  
 Supervised By :Semsettin Yesilyurt 06/18/2024

Quant Time: Jun 18 01:29:02 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y061324S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jun 14 07:08:24 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 7.301  | 41   | 28984m   | 77.684   | ug/l   |          |
| 42) 1,2-Dichloroethane        | 8.221  | 62   | 85023    | 66.963   | ug/l   | 98       |
| 43) Isopropyl Acetate         | 8.258  | 43   | 103650   | 74.859   | ug/l   | 92       |
| 44) Trichloroethene           | 8.929  | 130  | 76380    | 59.944   | ug/l   | 94       |
| 45) 1,2-Dichloropropane       | 9.203  | 63   | 72791    | 65.410   | ug/l   | 100      |
| 46) Dibromomethane            | 9.294  | 93   | 44476    | 64.411   | ug/l   | 95       |
| 47) Bromodichloromethane      | 9.490  | 83   | 110675   | 67.155   | ug/l   | 99       |
| 48) Methyl methacrylate       | 9.282  | 41   | 47953    | 76.930   | ug/l   | 90       |
| 49) 1,4-Dioxane               | 9.288  | 88   | 11424    | 1257.962 | ug/l # | 96       |
| 51) 4-Methyl-2-Pentanone      | 10.063 | 43   | 286215   | 392.440  | ug/l   | 96       |
| 52) Toluene                   | 10.233 | 92   | 203234   | 65.042   | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 10.459 | 75   | 95772    | 66.498   | ug/l   | 94       |
| 54) cis-1,3-Dichloropropene   | 9.922  | 75   | 111367   | 64.077   | ug/l   | 94       |
| 55) 1,1,2-Trichloroethane     | 10.636 | 97   | 62682    | 68.250   | ug/l   | 95       |
| 56) Ethyl methacrylate        | 10.502 | 69   | 88733    | 73.832   | ug/l   | 90       |
| 57) 1,3-Dichloropropane       | 10.782 | 76   | 103964   | 68.145   | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 9.776  | 63   | 168031   | 289.616  | ug/l   | 99       |
| 59) 2-Hexanone                | 10.825 | 43   | 195354   | 382.399  | ug/l   | 95       |
| 60) Dibromochloromethane      | 10.977 | 129  | 78438    | 68.751   | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.081 | 107  | 58638    | 69.084   | ug/l   | 98       |
| 64) Tetrachloroethene         | 10.715 | 164  | 82777    | 65.669   | ug/l   | 98       |
| 65) Chlorobenzene             | 11.507 | 112  | 222430   | 60.925   | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 11.587 | 131  | 76436    | 62.476   | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.587 | 91   | 387909   | 61.235   | ug/l   | 99       |
| 68) m/p-Xylenes               | 11.696 | 106  | 307067   | 124.573  | ug/l   | 99       |
| 69) o-Xylene                  | 12.026 | 106  | 148605   | 62.693   | ug/l   | 99       |
| 70) Styrene                   | 12.038 | 104  | 256568   | 65.519   | ug/l   | 99       |
| 71) Bromoform                 | 12.202 | 173  | 45405    | 67.635   | ug/l # | 98       |
| 73) Isopropylbenzene          | 12.324 | 105  | 369996   | 54.440   | ug/l   | 100      |
| 74) N-amyl acetate            | 12.135 | 43   | 98290    | 70.625   | ug/l   | 93       |
| 75) 1,1,2,2-Tetrachloroethane | 12.574 | 83   | 75183    | 62.301   | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 12.629 | 75   | 88588    | 101.469  | ug/l # | 100      |
| 77) Bromobenzene              | 12.605 | 156  | 88773    | 56.480   | ug/l   | 97       |
| 78) n-propylbenzene           | 12.666 | 91   | 444785   | 55.921   | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 12.751 | 91   | 257012   | 57.243   | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 12.806 | 105  | 303061   | 56.264   | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.373 | 75   | 20250    | 60.755   | ug/l   | 93       |
| 82) 4-Chlorotoluene           | 12.849 | 91   | 263521   | 58.285   | ug/l   | 98       |
| 83) tert-Butylbenzene         | 13.068 | 119  | 268715   | 53.902   | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene    | 13.117 | 105  | 312152   | 57.981   | ug/l   | 100      |
| 85) sec-Butylbenzene          | 13.245 | 105  | 401475   | 56.465   | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.367 | 119  | 336290   | 55.789   | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene       | 13.361 | 146  | 179427   | 56.598   | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.440 | 146  | 178623   | 57.418   | ug/l   | 99       |
| 89) n-Butylbenzene            | 13.690 | 91   | 306465   | 56.406   | ug/l   | 100      |
| 90) Hexachloroethane          | 13.958 | 117  | 64905    | 59.272   | ug/l   | 92       |
| 91) 1,2-Dichlorobenzene       | 13.733 | 146  | 162120   | 59.863   | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.355 | 75   | 11277    | 64.535   | ug/l   | 89       |
| 93) 1,2,4-Trichlorobenzene    | 15.001 | 180  | 85346    | 56.566   | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 15.104 | 225  | 39805    | 51.346   | ug/l   | 97       |
| 95) Naphthalene               | 15.232 | 128  | 185050   | 65.632   | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.421 | 180  | 76479    | 59.993   | ug/l   | 98       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY061724\  
Data File : VY018620.D  
Acq On : 17 Jun 2024 20:41  
Operator : SY/MD  
Sample : VSTDCCC050  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

Manual Integrations  
APPROVED

Reviewed By :Mahesh Dadoda 06/18/2024  
Supervised By :Semsettin Yesilyurt 06/18/2024

Quant Time: Jun 18 01:29:02 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y061324S.M  
Quant Title : SW846 8260  
QLast Update : Fri Jun 14 07:08:24 2024  
Response via : Initial Calibration

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

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

