

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY010824\  
 Data File : VY016927.D  
 Acq On : 08 Jan 2024 10:04  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050

Manual Integrations  
 APPROVED

Reviewed By :Mahesh Dadoda 01/09/2024  
 Supervised By :Semsettin Yesilyurt 01/09/2024

Quant Time: Jan 09 06:32:14 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        | 7.807          | 168  | 126919              | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.710          | 114  | 209961              | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.508         | 117  | 176189              | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.440         | 152  | 76274               | 50.000  | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.161          | 65   | 63900               | 50.940  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 50 - 163 |      | Recovery = 101.880% |         |        |          |
| 35) Dibromofluoromethane     | 7.740          | 113  | 70882               | 52.978  | ug/l   | 0.01     |
| Spiked Amount 50.000         | Range 54 - 147 |      | Recovery = 105.960% |         |        |          |
| 50) Toluene-d8               | 10.197         | 98   | 255810              | 55.523  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 58 - 134 |      | Recovery = 111.040% |         |        |          |
| 62) 4-Bromofluorobenzene     | 12.502         | 95   | 80965               | 52.087  | ug/l   | 0.01     |
| Spiked Amount 50.000         | Range 30 - 143 |      | Recovery = 104.180% |         |        |          |
| Target Compounds             |                |      |                     |         |        |          |
|                              |                |      |                     |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.918          | 85   | 47348               | 49.610  | ug/l   | 96       |
| 3) Chloromethane             | 2.132          | 50   | 72847               | 48.860  | ug/l   | 98       |
| 4) Vinyl Chloride            | 2.266          | 62   | 88830               | 50.511  | ug/l   | 100      |
| 5) Bromomethane              | 2.674          | 94   | 60360               | 47.909  | ug/l   | 95       |
| 6) Chloroethane              | 2.814          | 64   | 60708               | 51.031  | ug/l   | 99       |
| 7) Trichlorofluoromethane    | 3.150          | 101  | 113038              | 52.166  | ug/l   | 96       |
| 8) Diethyl Ether             | 3.552          | 74   | 34954               | 50.476  | ug/l   | 99       |
| 9) 1,1,2-Trichlorotrifluo... | 3.930          | 101  | 74394               | 52.802  | ug/l   | 99       |
| 10) Methyl Iodide            | 4.119          | 142  | 66329               | 55.337  | ug/l   | 98       |
| 11) Tert butyl alcohol       | 4.979          | 59   | 21691               | 235.811 | ug/l   | 98       |
| 12) 1,1-Dichloroethene       | 3.899          | 96   | 64648               | 53.479  | ug/l   | 96       |
| 13) Acrolein                 | 3.753          | 56   | 30630               | 223.064 | ug/l   | 95       |
| 14) Allyl chloride           | 4.509          | 41   | 101742              | 53.238  | ug/l   | 100      |
| 15) Acrylonitrile            | 5.192          | 53   | 79253               | 244.675 | ug/l   | 98       |
| 16) Acetone                  | 3.967          | 43   | 75082               | 242.089 | ug/l   | 99       |
| 17) Carbon Disulfide         | 4.223          | 76   | 147891              | 51.201  | ug/l   | 99       |
| 18) Methyl Acetate           | 4.503          | 43   | 73755               | 54.880  | ug/l   | 98       |
| 19) Methyl tert-butyl Ether  | 5.253          | 73   | 159802              | 50.811  | ug/l   | 98       |
| 20) Methylene Chloride       | 4.753          | 84   | 78371               | 48.045  | ug/l   | 98       |
| 21) trans-1,2-Dichloroethene | 5.253          | 96   | 72891               | 52.647  | ug/l   | 98       |
| 22) Diisopropyl ether        | 6.143          | 45   | 239679              | 54.248  | ug/l   | 95       |
| 23) Vinyl Acetate            | 6.088          | 43   | 502652              | 248.120 | ug/l   | 100      |
| 24) 1,1-Dichloroethane       | 6.045          | 63   | 141128              | 53.155  | ug/l   | 98       |
| 25) 2-Butanone               | 7.009          | 43   | 101891              | 237.536 | ug/l   | 100      |
| 26) 2,2-Dichloropropane      | 7.009          | 77   | 123928              | 53.834  | ug/l   | 99       |
| 27) cis-1,2-Dichloroethene   | 7.009          | 96   | 87543               | 53.940  | ug/l   | 98       |
| 28) Bromochloromethane       | 7.356          | 49   | 57985               | 58.174  | ug/l   | 99       |
| 29) Tetrahydrofuran          | 7.374          | 42   | 60799               | 239.470 | ug/l   | 98       |
| 30) Chloroform               | 7.527          | 83   | 144339              | 52.754  | ug/l   | 100      |
| 31) Cyclohexane              | 7.813          | 56   | 111016              | 51.564  | ug/l   | 98       |
| 32) 1,1,1-Trichloroethane    | 7.722          | 97   | 125244              | 53.987  | ug/l   | 99       |
| 36) 1,1-Dichloropropene      | 7.941          | 75   | 106770              | 54.757  | ug/l   | 100      |
| 37) Ethyl Acetate            | 7.094          | 43   | 43415               | 48.996  | ug/l   | 97       |
| 38) Carbon Tetrachloride     | 7.923          | 117  | 107230              | 54.128  | ug/l   | 98       |
| 39) Methylcyclohexane        | 9.203          | 83   | 122897              | 56.066  | ug/l   | 99       |
| 40) Benzene                  | 8.185          | 78   | 313046              | 53.520  | ug/l   | 100      |

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 Sample : VSTDCCC050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050

Manual Integrations  
 APPROVED

Reviewed By :Mahesh Dadoda 01/09/2024  
 Supervised By :Semsettin Yesilyurt 01/09/2024

Quant Time: Jan 09 06:32:14 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         | 7.326  | 41   | 23633    | 50.641   | ug/l   | 94       |
| 42) 1,2-Dichloroethane        | 8.258  | 62   | 78745    | 50.711   | ug/l   | 98       |
| 43) Isopropyl Acetate         | 8.295  | 43   | 81637    | 48.111   | ug/l   | 99       |
| 44) Trichloroethene           | 8.960  | 130  | 81679    | 54.878   | ug/l   | 95       |
| 45) 1,2-Dichloropropane       | 9.234  | 63   | 79498    | 52.756   | ug/l   | 97       |
| 46) Dibromomethane            | 9.325  | 93   | 38971    | 50.709   | ug/l   | 98       |
| 47) Bromodichloromethane      | 9.514  | 83   | 108124   | 52.393   | ug/l   | 96       |
| 48) Methyl methacrylate       | 9.313  | 41   | 45173    | 49.329   | ug/l   | 96       |
| 49) 1,4-Dioxane               | 9.319  | 88   | 8002     | 1005.600 | ug/l   | 99       |
| 51) 4-Methyl-2-Pentanone      | 10.087 | 43   | 221118   | 245.027  | ug/l   | 100      |
| 52) Toluene                   | 10.264 | 92   | 193357   | 54.775   | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 10.484 | 75   | 96978    | 52.462   | ug/l   | 97       |
| 54) cis-1,3-Dichloropropene   | 9.947  | 75   | 119372   | 53.772   | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane     | 10.660 | 97   | 56995    | 50.764   | ug/l   | 99       |
| 56) Ethyl methacrylate        | 10.526 | 69   | 49446    | 51.995   | ug/l   | 97       |
| 57) 1,3-Dichloropropane       | 10.807 | 76   | 96272    | 51.358   | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 9.801  | 63   | 153257   | 255.681  | ug/l   | 99       |
| 59) 2-Hexanone                | 10.849 | 43   | 154136   | 231.964  | ug/l   | 100      |
| 60) Dibromochloromethane      | 11.002 | 129  | 66956    | 51.713   | ug/l   | 98       |
| 61) 1,2-Dibromoethane         | 11.106 | 107  | 50755    | 52.031   | ug/l   | 97       |
| 64) Tetrachloroethene         | 10.740 | 164  | 60981    | 53.386   | ug/l   | 98       |
| 65) Chlorobenzene             | 11.532 | 112  | 200209   | 54.548   | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 11.605 | 131  | 76011    | 54.479   | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.612 | 91   | 376801   | 57.023   | ug/l   | 99       |
| 68) m/p-Xylenes               | 11.721 | 106  | 277771   | 114.521  | ug/l   | 100      |
| 69) o-Xylene                  | 12.044 | 106  | 128557   | 56.537   | ug/l   | 99       |
| 70) Styrene                   | 12.063 | 104  | 190230   | 57.482   | ug/l   | 99       |
| 71) Bromoform                 | 12.227 | 173  | 35197    | 51.243   | ug/l # | 98       |
| 73) Isopropylbenzene          | 12.349 | 105  | 360651   | 57.903   | ug/l   | 100      |
| 74) N-amyl acetate            | 12.160 | 43   | 63634    | 50.850   | ug/l   | 100      |
| 75) 1,1,2,2-Tetrachloroethane | 12.599 | 83   | 63645    | 50.150   | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 12.648 | 75   | 41673m   | 50.347   | ug/l   |          |
| 77) Bromobenzene              | 12.624 | 156  | 73831    | 53.838   | ug/l   | 97       |
| 78) n-propylbenzene           | 12.691 | 91   | 436927   | 57.702   | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 12.776 | 91   | 233808   | 55.683   | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene    | 12.831 | 105  | 283803   | 57.613   | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.398 | 75   | 18309    | 50.229   | ug/l   | 98       |
| 82) 4-Chlorotoluene           | 12.873 | 91   | 240759   | 56.124   | ug/l   | 100      |
| 83) tert-Butylbenzene         | 13.093 | 119  | 253885   | 58.515   | ug/l   | 100      |
| 84) 1,2,4-Trimethylbenzene    | 13.136 | 105  | 280139   | 57.746   | ug/l   | 98       |
| 85) sec-Butylbenzene          | 13.270 | 105  | 374432   | 58.242   | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.386 | 119  | 312203   | 58.842   | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.386 | 146  | 148520   | 55.222   | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.459 | 146  | 142277   | 54.087   | ug/l   | 99       |
| 89) n-Butylbenzene            | 13.715 | 91   | 299926   | 58.793   | ug/l   | 99       |
| 90) Hexachloroethane          | 13.977 | 117  | 62732    | 55.022   | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene       | 13.751 | 146  | 124929   | 53.750   | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.373 | 75   | 7565     | 47.536   | ug/l   | 98       |
| 93) 1,2,4-Trichlorobenzene    | 15.019 | 180  | 67568    | 58.543   | ug/l   | 97       |
| 94) Hexachlorobutadiene       | 15.129 | 225  | 41713    | 57.692   | ug/l   | 99       |
| 95) Naphthalene               | 15.251 | 128  | 116149   | 54.584   | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 15.440 | 180  | 55739    | 56.876   | ug/l   | 99       |

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ALS Vial : 3 Sample Multiplier: 1

Instrument :  
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ClientSampleId :  
VSTDCCC050

Manual Integrations  
APPROVED

Reviewed By :Mahesh Dadoda 01/09/2024  
Supervised By :Semsettin Yesilyurt 01/09/2024

Quant Time: Jan 09 06:32:14 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) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

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

