

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX010821\  
 Data File : VX020542.D  
 Acq On : 08 Jan 2021 16:39  
 Operator : JC/MD  
 Sample : L5214-06  
 Misc : 5.0g/5mL/100uL/5.00mL/MSVOA\_X/MEOH  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MDL-MED-SOIL-QT1-2021-02

Manual Integrations  
 APPROVED

MMDadoda

1/11/2021 6:04:14 PM

Quant Time: Jan 09 04:43:58 2021  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\SFAMXML010721WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Jan 09 04:41:43 2021  
 Response via : Initial Calibration

| Compound                      | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|---------|--------|----------|
| -----                         |                |      |            |         |        |          |
| Internal Standards            |                |      |            |         |        |          |
| 1) 1,4-Difluorobenzene        | 6.824          | 114  | 316921     | 50.00   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 10.091         | 117  | 312540     | 50.00   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 12.061         | 152  | 136168     | 50.00   | ug/L   | 0.00     |
|                               |                |      |            |         |        |          |
| System Monitoring Compounds   |                |      |            |         |        |          |
| 4) Vinyl Chloride-d3          | 1.386          | 65   | 111990     | 43.98   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 135 |      | Recovery = | 87.96%  |        |          |
| 7) Chloroethane-d5            | 1.697          | 69   | 95181      | 47.83   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 130 |      | Recovery = | 95.66%  |        |          |
| 11) 1,1-Dichloroethene-d2     | 2.343          | 63   | 169132     | 35.56   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 71.12%  |        |          |
| 21) 2-Butanone-d5             | 4.531          | 46   | 176296     | 113.00  | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 40 - 130 |      | Recovery = | 113.00% |        |          |
| 24) Chloroform-d              | 5.135          | 84   | 235867     | 53.83   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 107.66% |        |          |
| 26) 1,2-Dichloroethane-d4     | 6.025          | 65   | 154467     | 53.24   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 106.48% |        |          |
| 32) Benzene-d6                | 6.043          | 84   | 468355     | 49.82   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 99.64%  |        |          |
| 36) 1,2-Dichloropropane-d6    | 7.366          | 67   | 151250     | 52.03   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 120 |      | Recovery = | 104.06% |        |          |
| 41) Toluene-d8                | 8.695          | 98   | 412031     | 48.35   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 96.70%  |        |          |
| 43) trans-1,3-Dichloroprop... | 8.994          | 79   | 70190      | 49.63   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 99.26%  |        |          |
| 47) 2-Hexanone-d5             | 9.427          | 63   | 133319     | 103.83  | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 45 - 130 |      | Recovery = | 103.83% |        |          |
| 56) 1,1,2,2-Tetrachloroeth... | 11.231         | 84   | 199857     | 49.49   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 65 - 120 |      | Recovery = | 98.98%  |        |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.359         | 152  | 143478     | 53.75   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 107.50% |        |          |
|                               |                |      |            |         |        |          |
| Target Compounds              |                |      |            |         |        | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.184          | 85   | 7233       | 2.34    | ug/L   | 98       |
| 3) Chloromethane              | 1.313          | 50   | 6982       | 2.51    | ug/L   | 99       |
| 5) Vinyl chloride             | 1.392          | 62   | 7193       | 2.44    | ug/L # | 68       |
| 6) Bromomethane               | 1.636          | 94   | 4121       | 2.76    | ug/L   | 98       |
| 8) Chloroethane               | 1.715          | 64   | 4472       | 2.53    | ug/L   | 91       |
| 9) Trichlorofluoromethane     | 1.916          | 101  | 8924       | 2.40    | ug/L   | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.361          | 101  | 7298       | 3.16    | ug/L # | 82       |
| 12) 1,1-Dichloroethene        | 2.355          | 96   | 6706       | 2.97    | ug/L # | 1        |
| 13) Acetone                   | 2.428          | 43   | 6136       | 4.80    | ug/L   | 98       |
| 14) Carbon disulfide          | 2.550          | 76   | 15516      | 2.14    | ug/L   | 97       |
| 15) Methyl Acetate            | 2.751          | 43   | 6295       | 2.47    | ug/L   | 96       |
| 16) Methylene chloride        | 2.831          | 84   | 7177       | 2.66    | ug/L   | 93       |
| 17) trans-1,2-Dichloroethene  | 3.141          | 96   | 5858       | 2.41    | ug/L   | 99       |
| 18) Methyl tert-butyl Ether   | 3.160          | 73   | 16993      | 2.31    | ug/L # | 89       |
| 19) 1,1-Dichloroethane        | 3.672          | 63   | 10606      | 2.41    | ug/L   | 95       |
| 20) cis-1,2-Dichloroethene    | 4.556          | 96   | 6047       | 2.28    | ug/L   | 97       |
| 22) 2-Butanone                | 4.647          | 43   | 8493       | 4.49    | ug/L   | 98       |
| 23) Bromochloromethane        | 4.970          | 128  | 3341       | 2.43    | ug/L   | 94       |
| 25) Chloroform                | 5.172          | 83   | 12312      | 2.57    | ug/L   | 94       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX010821\  
 Data File : VX020542.D  
 Acq On : 08 Jan 2021 16:39  
 Operator : JC/MD  
 Sample : L5214-06  
 Misc : 5.0g/5mL/100uL/5.00mL/MSVOA\_X/MEOH  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MDL-MED-SOIL-QT1-2021-02

Manual Integrations  
 APPROVED

MMDadoda

1/11/2021 6:04:14 PM

Quant Time: Jan 09 04:43:58 2021  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\SFAMXLM010721WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Jan 09 04:41:43 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|------|--------|----------|
| 27) 1,2-Dichloroethane        | 6.159  | 62   | 9110     | 2.57 | ug/L   | 96       |
| 29) Cyclohexane               | 5.550  | 56   | 7771m    | 2.02 | ug/L   |          |
| 30) 1,1,1-Trichloroethane     | 5.464  | 97   | 8873     | 2.22 | ug/L   | 98       |
| 31) Carbon tetrachloride      | 5.751  | 117  | 7769     | 2.30 | ug/L   | 96       |
| 33) Benzene                   | 6.104  | 78   | 23770    | 2.30 | ug/L   | 100      |
| 34) Trichloroethene           | 7.183  | 95   | 6214     | 2.36 | ug/L   | 88       |
| 35) Methylcyclohexane         | 7.439  | 83   | 8029     | 2.03 | ug/L   | 96       |
| 37) 1,2-Dichloropropane       | 7.488  | 63   | 6400     | 2.44 | ug/L # | 95       |
| 38) Bromodichloromethane      | 7.872  | 83   | 7719     | 2.29 | ug/L   | 97       |
| 39) cis-1,3-Dichloropropene   | 8.409  | 75   | 8466     | 2.15 | ug/L   | 92       |
| 40) 4-Methyl-2-pentanone      | 8.616  | 43   | 14945    | 4.34 | ug/L   | 98       |
| 42) Toluene                   | 8.762  | 91   | 25028    | 2.31 | ug/L   | 96       |
| 44) trans-1,3-Dichloropropene | 9.018  | 75   | 8610     | 2.24 | ug/L   | 97       |
| 45) 1,1,2-Trichloroethane     | 9.195  | 97   | 6130     | 2.36 | ug/L   | 98       |
| 46) Tetrachloroethene         | 9.317  | 164  | 4539     | 2.23 | ug/L   | 92       |
| 48) 2-Hexanone                | 9.470  | 43   | 13027    | 4.79 | ug/L   | 96       |
| 49) Dibromochloromethane      | 9.561  | 129  | 5904     | 2.22 | ug/L   | 96       |
| 50) 1,2-Dibromoethane         | 9.652  | 107  | 6281     | 2.34 | ug/L   | 100      |
| 51) Chlorobenzene             | 10.122 | 112  | 16105    | 2.35 | ug/L   | 97       |
| 52) Ethylbenzene              | 10.232 | 91   | 23986    | 2.07 | ug/L   | 95       |
| 53) m,p-Xylene                | 10.341 | 106  | 8965     | 2.07 | ug/L   | 91       |
| 54) o-Xylene                  | 10.683 | 106  | 8327     | 1.98 | ug/L   | 100      |
| 55) Styrene                   | 10.695 | 104  | 12956    | 1.82 | ug/L   | 91       |
| 57) 1,1,2,2-Tetrachloroethane | 11.250 | 83   | 9766     | 2.37 | ug/L # | 96       |
| 59) Bromoform                 | 10.841 | 173  | 3888     | 2.29 | ug/L   | 97       |
| 60) Isopropylbenzene          | 11.000 | 105  | 19837    | 2.07 | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 11.280 | 75   | 7648     | 2.57 | ug/L   | 99       |
| 62) 1,3,5-Trimethylbenzene    | 11.488 | 105  | 14561    | 1.86 | ug/L   | 99       |
| 63) 1,2,4-Trimethylbenzene    | 11.792 | 105  | 14374    | 1.82 | ug/L   | 98       |
| 64) 1,3-Dichlorobenzene       | 12.006 | 146  | 10060    | 2.25 | ug/L   | 91       |
| 65) 1,4-Dichlorobenzene       | 12.079 | 146  | 10954    | 2.42 | ug/L   | 93       |
| 67) 1,2-Dichlorobenzene       | 12.378 | 146  | 11352    | 2.54 | ug/L   | 94       |
| 68) 1,2-Dibromo-3-chloropr... | 12.981 | 75   | 1662     | 2.21 | ug/L   | 97       |
| 69) 1,3,5-Trichlorobenzene    | 13.152 | 180  | 7202     | 2.34 | ug/L   | 97       |
| 70) 1,2,4-trichlorobenzene    | 13.627 | 180  | 5787     | 2.19 | ug/L   | 97       |
| 71) Naphthalene               | 13.816 | 128  | 14423    | 1.65 | ug/L   | 100      |
| 72) 1,2,3-Trichlorobenzene    | 13.999 | 180  | 5746     | 2.11 | ug/L   | 98       |

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX010821\  
 Data File : VX020542.D  
 Acq On : 08 Jan 2021 16:39  
 Operator : JC/MD  
 Sample : L5214-06  
 Misc : 5.0g/5mL/100uL/5.00mL/MSVOA\_X/MEOH  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MDL-MED-SOIL-QT1-2021-02

Manual Integrations  
 APPROVED

MMDadoda

1/11/2021 6:04:14 PM

Quant Time: Jan 09 04:43:58 2021  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\SFAMXML010721WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Jan 09 04:41:43 2021  
 Response via : Initial Calibration

