Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV102418\
Data File : VV008391.D
Acq On : 24 Oct 2018 14:40
Operator : SY/MD
Sample : MDL02
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** MDL02

**Manual Integrations APPROVED**
apatel
10/25/2018 4:40:40 PM

Quant Time: Oct 25 10:53:26 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM102318WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Oct 25 08:48:14 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 5.67 | 114 | 192427 | 50.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 8.90 | 117 | 173434 | 50.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152 | 74152 | 50.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.32 | 65 | 47702 | 44.77 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 135 | | Recovery = 89.54% | | | |
| 7) Chloroethane-d5 | 1.57 | 69 | 37547 | 48.81 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 130 | | Recovery = 97.62% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.13 | 63 | 67728 | 35.20 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 70.40% | | | |
| 21) 2-Butanone-d5 | 3.93 | 46 | 115063 | 99.37 | ug/L | 0.00 |
| Spiked Amount 100.000 | Range 40 - 130 | | Recovery = 99.37% | | | |
| 24) Chloroform-d | 4.41 | 84 | 121157 | 46.11 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 92.22% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.09 | 65 | 83671 | 47.62 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 95.24% | | | |
| 32) Benzene-d6 | 5.10 | 84 | 244688 | 49.51 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 99.02% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.12 | 67 | 84802 | 49.43 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 120 | | Recovery = 98.86% | | | |
| 41) Toluene-d8 | 7.36 | 98 | 219615 | 48.94 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 97.88% | | | |
| 43) trans-1,3-Dichloropropene- | 7.67 | 79 | 41158 | 49.38 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 98.76% | | | |
| 47) 2-Hexanone-d5 | 8.14 | 63 | 88765 | 99.09 | ug/L | 0.00 |
| Spiked Amount 100.000 | Range 45 - 130 | | Recovery = 99.09% | | | |
| 57) 1,1,2,2-Tetrachloroethane- | 10.26 | 84 | 114723 | 49.38 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 65 - 120 | | Recovery = 98.76% | | | |
| 64) 1,2-Dichlorobenzene-d4 | 11.68 | 152 | 74921 | 49.39 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 98.78% | | | |

| Target Compounds | | | | | | Qvalue |
|---|---|---|---|---|---|---|
| 2) Dichlorodifluoromethane | 1.14 | 85 | 2416 | 1.758 | ug/L | 96 |
| 3) Chloromethane | 1.25 | 50 | 2748 | 1.867 | ug/L | 95 |
| 5) Vinyl chloride | 1.33 | 62 | 2579 | 1.891 | ug/L # | 52 |
| 6) Bromomethane | 1.52 | 94 | 853 | 2.279 | ug/L | 94 |
| 8) Chloroethane | 1.59 | 64 | 1591 | 2.220 | ug/L | 91 |
| 9) Trichlorofluoromethane | 1.77 | 101 | 3086 | 1.758 | ug/L | 95 |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.14 | 101 | 2172 | 2.369 | ug/L # | 82 |
| 12) 1,1-Dichloroethene | 2.14 | 96 | 2275 | 2.635 | ug/L # | 1 |
| 13) Acetone | 2.19 | 43 | 3595 | 4.000 | ug/L | 96 |
| 14) Carbon disulfide | 2.32 | 76 | 7161 | 1.842 | ug/L | 100 |
| 15) Methyl Acetate | 2.46 | 43 | 3203 | 1.787 | ug/L | 98 |
| 16) Methylene chloride | 2.54 | 84 | 2891 | 1.933 | ug/L | 91 |
| 17) trans-1,2-Dichloroethene | 2.80 | 96 | 2381 | 1.809 | ug/L | 95 |
| 18) Methyl tert-butyl Ether | 2.81 | 73 | 8390 | 1.781 | ug/L # | 90 |
| 19) 1,1-Dichloroethane | 3.24 | 63 | 4814 | 1.774 | ug/L | 96 |
| 20) cis-1,2-Dichloroethene | 3.97 | 96 | 2879 | 1.920 | ug/L | 96 |
| 22) 2-Butanone | 4.03 | 43 | 4267 | 3.287 | ug/L # | 67 |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV102418\
Data File : VV008391.D
Acq On : 24 Oct 2018 14:40
Operator : SY/MD
Sample : MDL02
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
MDL02

**Manual Integrations APPROVED**
apatel
10/25/2018 4:40:40 PM

Quant Time: Oct 25 10:53:26 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM102318WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Oct 25 08:48:14 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc Units | | Dev(Min) |
|---|---|---|---|---|---|---|
| 23) Bromochloromethane | 4.31 | 128 | 1245m | 1.761 ug/L | | |
| 25) Chloroform | 4.43 | 83 | 5398m | 2.037 ug/L | | |
| 27) 1,2-Dichloroethane | 5.19 | 62 | 4298 | 1.942 ug/L | | 99 |
| 29) Cyclohexane | 4.73 | 56 | 4738 | 1.876 ug/L | # | 66 |
| 30) 1,1,1-Trichloroethane | 4.66 | 97 | 4181 | 1.859 ug/L | | 94 |
| 31) Carbon tetrachloride | 4.88 | 117 | 3316 | 1.737 ug/L | | 95 |
| 33) Benzene | 5.15 | 78 | 10538 | 1.859 ug/L | | 100 |
| 34) Trichloroethene | 5.96 | 95 | 2783 | 1.917 ug/L | | 91 |
| 35) Methylcyclohexane | 6.18 | 83 | 4443 | 1.801 ug/L | | 94 |
| 37) 1,2-Dichloropropane | 6.23 | 63 | 2922 | 1.866 ug/L | # | 89 |
| 38) Bromodichloromethane | 6.56 | 83 | 3484 | 1.746 ug/L | | 99 |
| 39) cis-1,3-Dichloropropene | 7.07 | 75 | 4711 | 1.914 ug/L | | 97 |
| 40) 4-Methyl-2-pentanone | 7.28 | 43 | 8775 | 3.785 ug/L | | 94 |
| 42) Toluene | 7.43 | 91 | 10889 | 1.849 ug/L | | 100 |
| 44) trans-1,3-Dichloropropene | 7.70 | 75 | 4381 | 1.902 ug/L | | 99 |
| 45) 1,1,2-Trichloroethane | 7.89 | 97 | 2423 | 1.750 ug/L | | 98 |
| 46) Tetrachloroethene | 8.02 | 164 | 1612 | 1.704 ug/L | | 88 |
| 48) 2-Hexanone | 8.19 | 43 | 6972 | 3.897 ug/L | # | 92 |
| 49) Dibromochloromethane | 8.30 | 129 | 2774 | 1.865 ug/L | | 97 |
| 50) 1,2-Dibromoethane | 8.40 | 107 | 2615 | 1.801 ug/L | # | 100 |
| 51) Chlorobenzene | 8.93 | 112 | 6566 | 1.811 ug/L | | 97 |
| 52) Ethylbenzene | 9.06 | 91 | 11620 | 1.762 ug/L | | 97 |
| 53) m,p-Xylene | 9.19 | 106 | 4316 | 1.791 ug/L | | 98 |
| 54) o-xylene | 9.59 | 106 | 4426 | 1.839 ug/L | | 92 |
| 55) Styrene | 9.61 | 104 | 7174 | 1.769 ug/L | | 95 |
| 56) Isopropylbenzene | 9.98 | 105 | 10895 | 1.730 ug/L | | 99 |
| 58) 1,1,2,2-Tetrachloroethane | 10.29 | 83 | 5022 | 2.071 ug/L | # | 97 |
| 59) 1,2,3-Trichloropropane | 10.32 | 75 | 3519 | 1.793 ug/L | | 92 |
| 61) Bromoform | 9.78 | 173 | 1689 | 1.805 ug/L | # | 94 |
| 62) 1,3-Dichlorobenzene | 11.23 | 146 | 4523 | 1.845 ug/L | | 96 |
| 63) 1,4-Dichlorobenzene | 11.32 | 146 | 4827 | 1.964 ug/L | | 92 |
| 65) 1,2-Dichlorobenzene | 11.69 | 146 | 4815 | 1.926 ug/L | | 93 |
| 66) 1,2-Dibromo-3-chloropropan | 12.48 | 75 | 898m | 1.747 ug/L | | |
| 67) 1,3,5-Trichlorobenzene | 12.70 | 180 | 2462 | 1.538 ug/L | # | 96 |
| 68) 1,2,4-trichlorobenzene | 13.32 | 180 | 1602 | 1.237 ug/L | | 99 |
| 69) Naphthalene | 13.56 | 128 | 4678 | 1.117 ug/L | # | 93 |
| 70) 1,2,3-Trichlorobenzene | 13.80 | 180 | 1716 | 1.326 ug/L | | 92 |

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

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV102418\
Data File : VV008391.D
Acq On : 24 Oct 2018 14:40
Operator : SY/MD
Sample : MDL02
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 25 10:53:26 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM102318WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Oct 25 08:48:14 2018
Response via : Initial Calibration

**Instrument :**
MSVOA_V
**ClientSampleId :**
MDL02

**Manual Integrations APPROVED**
apatel
10/25/2018 4:40:40 PM