Quantitation Report (LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW062118\
Data File : VW003381.D
Acq On : 21 Jun 2018 11:32
Operator : SY/AP
Sample : J3619-23
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DAZ56

Manual Integrations APPROVED
MMDadoda
6/26/2018 8:06:29 PM

Quant Time: Jun 24 21:56:06 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM062018S.M
Quant Title : VOC Analysis
QLast Update : Fri Jun 22 04:53:24 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 8.85 | 114 | 410083 | 25.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 11.63 | 117 | 386340 | 25.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 13.57 | 152 | 205492 | 25.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 2.35 | 65 | 119187 | 21.43 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 150 | | Recovery = 85.72% | | | |
| 7) Chloroethane-d5 | 2.89 | 69 | 103129 | 22.22 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 150 | | Recovery = 88.88% | | | |
| 10) 1,1-Dichloroethene-d2 | 4.01 | 63 | 215833 | 19.54 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 45 - 110 | | Recovery = 78.16% | | | |
| 20) 2-Butanone-d5 | 7.09 | 46 | 72438 | 41.33 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 20 - 135 | | Recovery = 82.66% | | | |
| 24) Chloroform-d | 7.65 | 84 | 233494 | 21.65 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 40 - 150 | | Recovery = 86.60% | | | |
| 26) 1,2-Dichloroethane-d4 | 8.31 | 65 | 141047 | 22.00 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 88.00% | | | |
| 29) Benzene-d6 | 8.27 | 84 | 441699 | 21.55 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 20 - 135 | | Recovery = 86.20% | | | |
| 33) 1,2-Dichloropropane-d6 | 9.28 | 67 | 140702 | 21.68 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 120 | | Recovery = 86.72% | | | |
| 37) Toluene-d8 | 10.33 | 98 | 435337 | 22.21 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 130 | | Recovery = 88.84% | | | |
| 38) trans-1,3-Dichloropropene- | 10.59 | 79 | 65750 | 21.58 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 135 | | Recovery = 86.32% | | | |
| 39) 2-Hexanone-d5 | 10.93 | 63 | 57564 | 43.40 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 20 - 135 | | Recovery = 86.80% | | | |
| 48) 1,1,2,2-Tetrachloroethane- | 12.70 | 84 | 127681 | 21.15 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 45 - 120 | | Recovery = 84.60% | | | |
| 61) 1,2-Dichlorobenzene-d4 | 13.87 | 152 | 158247 | 20.39 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 75 - 120 | | Recovery = 81.56% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 2.01 | 85 | 28442m | 12.63 | ug/L | |
| 5) Vinyl chloride | 2.36 | 62 | 82736 | 11.81 | ug/L | 97 |
| 8) Chloroethane | 2.92 | 64 | 77719 | 18.21 | ug/L | 94 |
| 12) 1,1-Dichloroethene | 4.03 | 96 | 66772 | 13.03 | ug/L | 86 |
| 13) Acetone | 4.15 | 43 | 329489 | 176.38 | ug/L | 98 |
| 14) Carbon disulfide | 4.37 | 76 | 346492 | 20.95 | ug/L | 99 |
| 16) Methylene chloride | 4.90 | 84 | 172819 | 30.58 | ug/L | 96 |
| 18) trans-1,2-Dichloroethene | 5.42 | 96 | 142226 | 26.63 | ug/L | 98 |
| 19) 1,1-Dichloroethane | 6.21 | 63 | 108360 | 10.87 | ug/L | 99 |
| 22) cis-1,2-Dichloroethene | 7.17 | 96 | 179757 | 31.67 | ug/L | 97 |
| 23) Bromochloromethane | 7.51 | 128 | 105134 | 40.04 | ug/L | 98 |
| 25) Chloroform | 7.68 | 83 | 120144 | 11.72 | ug/L | 100 |
| 31) 1,1,1-Trichloroethane | 7.87 | 97 | 349475 | 41.17 | ug/L | 99 |
| 32) Carbon tetrachloride | 8.07 | 117 | 124934 | 15.24 | ug/L | 100 |
| 35) Trichloroethene | 9.09 | 95 | 186909 | 31.48 | ug/L | 99 |
| 40) 1,2-Dichloropropane | 9.37 | 63 | 114422 | 19.74 | ug/L | 99 |
| 41) Bromodichloromethane | 9.65 | 83 | 96328 | 12.93 | ug/L | 99 |

Quantitation Report (LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062118\
Data File : VW003381.D
Acq On : 21 Jun 2018 11:32
Operator : SY/AP
Sample : J3619-23
Misc : 5.00G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DAZ56

Manual Integrations APPROVED
MMDadoda
6/26/2018 8:06:29 PM

Quant Time: Jun 24 21:56:06 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM062018S.M
Quant Title : VOC Analysis
QLast Update : Fri Jun 22 04:53:24 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 42) cis-1,3-Dichloropropene | 10.07 | 75 | 102271 | 11.82 | ug/L | 99 |
| 43) 4-Methyl-2-pentanone | 10.21 | 43 | 174775 | 42.20 | ug/L | 99 |
| 45) trans-1,3-Dichloropropene | 10.61 | 75 | 167257 | 21.36 | ug/L | 98 |
| 46) 1,1,2-Trichloroethane | 10.79 | 97 | 45132 | 10.43 | ug/L | 94 |
| 47) Tetrachloroethene | 10.87 | 164 | 101556 | 20.35 | ug/L | 98 |
| 49) 2-Hexanone | 10.98 | 43 | 204170 | 66.15 | ug/L | 98 |
| 50) Dibromochloromethane | 11.13 | 129 | 66685 | 12.66 | ug/L | 98 |
| 51) 1,2-Dibromoethane | 11.24 | 107 | 87007 | 20.23 | ug/L | 94 |
| 56) Styrene | 12.19 | 104 | 309871 | 18.96 | ug/L | 98 |
| 58) 1,1,2,2-Tetrachloroethane | 12.72 | 83 | 167501 | 29.36 | ug/L | 100 |
| 62) Bromoform | 12.35 | 173 | 66801 | 19.32 | ug/L | 98 |
| 63) 1,3-Dichlorobenzene | 13.51 | 146 | 322224 | 25.50 | ug/L | 99 |
| 66) 1,2-Dibromo-3-chloropropan | 14.49 | 75 | 39666 | 37.47 | ug/L | 92 |
| 70) 1,2,3-Trichlorobenzene | 15.57 | 180 | 67846 | 9.26 | ug/L | 99 |

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

Quantitation Report (LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW062118\
Data File : VW003381.D
Acq On : 21 Jun 2018 11:32
Operator : SY/AP
Sample : J3619-23
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 24 21:56:06 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM062018S.M
Quant Title : VOC Analysis
QLast Update : Fri Jun 22 04:53:24 2018
Response via : Initial Calibration

**Instrument :**
MSVOA_W
**ClientSampleId :**
DAZ56

**Manual Integrations APPROVED**
MMDadoda
6/26/2018 8:06:29 PM