Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU072320\
Data File : VU039640.D
Acq On : 23 Jul 2020 17:13
Operator : SY/MD
Sample : MDL01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 24 02:55:44 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM072320WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Jul 24 02:44:03 2020
Response via : Initial Calibration

**Instrument :** MSVOA_U
**ClientSampleId :** MDL01

**Manual Integrations APPROVED**
sam
7/30/2020 2:58:41 AM

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 6.27 | 114 | 186199 | 50.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 9.42 | 117 | 176651 | 50.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.81 | 152 | 82628 | 50.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.61 | 65 | 54584 | 45.03 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 135 | | Recovery = 90.06% | | | |
| 7) Chloroethane-d5 | 1.92 | 69 | 57062 | 39.28 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 130 | | Recovery = 78.56% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.58 | 63 | 91390 | 35.62 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 71.24% | | | |
| 21) 2-Butanone-d5 | 4.66 | 46 | 144100 | 102.97 | ug/L | 0.00 |
| Spiked Amount 100.000 | Range 40 - 130 | | Recovery = 102.97% | | | |
| 24) Chloroform-d | 5.08 | 84 | 127051 | 46.61 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 93.22% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.72 | 65 | 91778 | 47.11 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 94.22% | | | |
| 32) Benzene-d6 | 5.75 | 84 | 244874 | 49.92 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 99.84% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.71 | 67 | 79686 | 49.54 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 120 | | Recovery = 99.08% | | | |
| 41) Toluene-d8 | 7.91 | 98 | 222580 | 48.22 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 96.44% | | | |
| 43) trans-1,3-Dichloropropene- | 8.19 | 79 | 37072 | 45.66 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 91.32% | | | |
| 47) 2-Hexanone-d5 | 8.64 | 63 | 87722 | 99.97 | ug/L | 0.00 |
| Spiked Amount 100.000 | Range 45 - 130 | | Recovery = 99.97% | | | |
| 57) 1,1,2,2-Tetrachloroethane- | 10.76 | 84 | 121660 | 47.76 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 65 - 120 | | Recovery = 95.52% | | | |
| 64) 1,2-Dichlorobenzene-d4 | 12.19 | 152 | 87976 | 48.69 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 97.38% | | | |

| Target Compounds | | | | | | Qvalue |
|---|---|---|---|---|---|---|
| 2) Dichlorodifluoromethane | 1.39 | 85 | 2182 | 1.720 | ug/L | 90 |
| 3) Chloromethane | 1.53 | 50 | 2727 | 2.069 | ug/L | 99 |
| 5) Vinyl chloride | 1.61 | 62 | 2881 | 2.152 | ug/L # | 61 |
| 6) Bromomethane | 1.87 | 94 | 1693 | 1.683 | ug/L | 94 |
| 8) Chloroethane | 1.94 | 64 | 2494 | 2.094 | ug/L | 94 |
| 9) Trichlorofluoromethane | 2.15 | 101 | 4882 | 2.063 | ug/L | 93 |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.59 | 101 | 2620 | 2.300 | ug/L # | 72 |
| 12) 1,1-Dichloroethene | 2.59 | 96 | 2357 | 2.219 | ug/L # | 1 |
| 13) Acetone | 2.66 | 43 | 4036m | 4.334 | ug/L | |
| 14) Carbon disulfide | 2.81 | 76 | 6349 | 1.868 | ug/L # | 95 |
| 15) Methyl Acetate | 2.97 | 43 | 3306m | 1.981 | ug/L | |
| 16) Methylene chloride | 3.07 | 84 | 2293 | 1.803 | ug/L | 86 |
| 17) trans-1,2-Dichloroethene | 3.38 | 96 | 2219 | 1.877 | ug/L | 93 |
| 18) Methyl tert-butyl Ether | 3.38 | 73 | 6809 | 1.783 | ug/L | 96 |
| 19) 1,1-Dichloroethane | 3.90 | 63 | 4001 | 1.735 | ug/L # | 85 |
| 20) cis-1,2-Dichloroethene | 4.69 | 96 | 2399 | 1.776 | ug/L | 96 |
| 22) 2-Butanone | 4.74 | 43 | 5541m | 4.222 | ug/L | |

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Operator : SY/MD
Sample : MDL01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
MDL01

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Quant Time: Jul 24 02:55:44 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM072320WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Jul 24 02:44:03 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc Units | | Dev(Min) |
|---|---|---|---|---|---|---|
| 23) Bromochloromethane | 5.00 | 128 | 1270 | 1.871 ug/L | # | 73 |
| 25) Chloroform | 5.11 | 83 | 8664 | 3.386 ug/L | | 97 |
| 27) 1,2-Dichloroethane | 5.81 | 62 | 4055 | 1.911 ug/L | | 99 |
| 29) Cyclohexane | 5.41 | 56 | 3586 | 1.869 ug/L | | 94 |
| 30) 1,1,1-Trichloroethane | 5.34 | 97 | 4053 | 1.917 ug/L | | 98 |
| 31) Carbon tetrachloride | 5.54 | 117 | 3069 | 1.749 ug/L | | 98 |
| 33) Benzene | 5.79 | 78 | 9828 | 2.019 ug/L | | 100 |
| 34) Trichloroethene | 6.56 | 95 | 2894 | 2.247 ug/L | | 91 |
| 35) Methylcyclohexane | 6.78 | 83 | 3703 | 1.860 ug/L | | 95 |
| 37) 1,2-Dichloropropane | 6.81 | 63 | 2540 | 1.927 ug/L | # | 89 |
| 38) Bromodichloromethane | 7.12 | 83 | 3337 | 1.906 ug/L | # | 90 |
| 39) cis-1,3-Dichloropropene | 7.62 | 75 | 4042m | 2.052 ug/L | | |
| 40) 4-Methyl-2-pentanone | 7.80 | 43 | 8690 | 3.784 ug/L | | 99 |
| 42) Toluene | 7.98 | 91 | 10485 | 1.958 ug/L | | 100 |
| 44) trans-1,3-Dichloropropene | 8.22 | 75 | 3600m | 1.866 ug/L | | |
| 45) 1,1,2-Trichloroethane | 8.41 | 97 | 2388 | 1.900 ug/L | | 89 |
| 46) Tetrachloroethene | 8.56 | 164 | 2021 | 2.075 ug/L | # | 81 |
| 48) 2-Hexanone | 8.69 | 43 | 11093 | 5.929 ug/L | | 94 |
| 49) Dibromochloromethane | 8.82 | 129 | 2313 | 1.630 ug/L | | 98 |
| 50) 1,2-Dibromoethane | 8.93 | 107 | 2723 | 1.947 ug/L | # | 89 |
| 51) Chlorobenzene | 9.45 | 112 | 6562 | 1.921 ug/L | | 99 |
| 52) Ethylbenzene | 9.57 | 91 | 10850 | 1.834 ug/L | | 93 |
| 53) m,p-Xylene | 9.69 | 106 | 3719 | 1.668 ug/L | | 99 |
| 54) o-xylene | 10.10 | 106 | 3814 | 1.782 ug/L | | 85 |
| 55) Styrene | 10.11 | 104 | 5747 | 1.552 ug/L | | 100 |
| 56) Isopropylbenzene | 10.48 | 105 | 9574 | 1.648 ug/L | | 98 |
| 58) 1,1,2,2-Tetrachloroethane | 10.78 | 83 | 4323 | 1.887 ug/L | # | 96 |
| 59) 1,2,3-Trichloropropane | 10.82 | 75 | 3335 | 1.744 ug/L | | 96 |
| 61) Bromoform | 10.29 | 173 | 1580m | 1.617 ug/L | | |
| 62) 1,3-Dichlorobenzene | 11.74 | 146 | 4752 | 1.877 ug/L | | 94 |
| 63) 1,4-Dichlorobenzene | 11.83 | 146 | 5201 | 2.051 ug/L | | 97 |
| 65) 1,2-Dichlorobenzene | 12.21 | 146 | 5083 | 1.987 ug/L | | 95 |
| 66) 1,2-Dibromo-3-chloropropan | 12.99 | 75 | 890m | 1.739 ug/L | | |
| 67) 1,3,5-Trichlorobenzene | 13.21 | 180 | 3095 | 1.696 ug/L | | 91 |
| 68) 1,2,4-trichlorobenzene | 13.83 | 180 | 2836 | 1.831 ug/L | | 95 |
| 69) Naphthalene | 14.08 | 128 | 6915 | 1.488 ug/L | # | 96 |
| 70) 1,2,3-Trichlorobenzene | 14.32 | 180 | 2444 | 1.562 ug/L | | 94 |

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

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Quant Time: Jul 24 02:55:44 2020
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Quant Title : VOC Analysis
QLast Update : Fri Jul 24 02:44:03 2020
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**ClientSampleId :**
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