Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV092318\
Data File : VV007802.D
Acq On : 23 Sep 2018 21:21
Operator : SY/MD
Sample : VSTDCCC050EC
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 81 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD05072

Quant Time: Sep 24 09:05:08 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM092318WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Sep 24 07:19:48 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 5.67 | 114 | 176360 | 50.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 8.90 | 117 | 173012 | 50.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152 | 99542 | 50.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.32 | 65 | 42290 | 44.12 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 135 | | Recovery = 88.24% | | | |
| 7) Chloroethane-d5 | 1.59 | 69 | 42995 | 49.36 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 130 | | Recovery = 98.72% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.14 | 63 | 108820 | 48.15 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 96.30% | | | |
| 21) 2-Butanone-d5 | 3.95 | 46 | 60363 | 95.35 | ug/L | 0.00 |
| Spiked Amount 100.000 | Range 40 - 130 | | Recovery = 95.35% | | | |
| 24) Chloroform-d | 4.41 | 84 | 100615 | 49.03 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 98.06% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.09 | 65 | 64242 | 49.08 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 98.16% | | | |
| 32) Benzene-d6 | 5.11 | 84 | 192941 | 48.52 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 97.04% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.13 | 67 | 56057 | 47.73 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 120 | | Recovery = 95.46% | | | |
| 41) Toluene-d8 | 7.36 | 98 | 204627 | 49.24 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 98.48% | | | |
| 43) trans-1,3-Dichloropropene- | 7.67 | 79 | 28155 | 47.55 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 95.10% | | | |
| 47) 2-Hexanone-d5 | 8.14 | 63 | 49676 | 96.06 | ug/L | 0.00 |
| Spiked Amount 100.000 | Range 45 - 130 | | Recovery = 96.06% | | | |
| 57) 1,1,2,2-Tetrachloroethane- | 10.27 | 84 | 91295 | 49.80 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 65 - 120 | | Recovery = 99.60% | | | |
| 64) 1,2-Dichlorobenzene-d4 | 11.68 | 152 | 98478 | 48.09 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 96.18% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.14 | 85 | 61741 | 50.422 | ug/L | 99 |
| 3) Chloromethane | 1.26 | 50 | 47513 | 48.277 | ug/L | 97 |
| 5) Vinyl chloride | 1.33 | 62 | 55644 | 48.811 | ug/L | 99 |
| 6) Bromomethane | 1.54 | 94 | 26478 | 29.693 | ug/L | 98 |
| 8) Chloroethane | 1.60 | 64 | 38258 | 50.194 | ug/L | 99 |
| 9) Trichlorofluoromethane | 1.78 | 101 | 118243 | 50.297 | ug/L | 98 |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.15 | 101 | 67819 | 50.862 | ug/L | 98 |
| 12) 1,1-Dichloroethene | 2.15 | 96 | 60410 | 51.644 | ug/L | 97 |
| 13) Acetone | 2.19 | 43 | 53255 | 79.713 | ug/L | 98 |
| 14) Carbon disulfide | 2.33 | 76 | 149726 | 48.319 | ug/L | 99 |
| 15) Methyl Acetate | 2.46 | 43 | 58969 | 49.865 | ug/L | 99 |
| 16) Methylene chloride | 2.54 | 84 | 66541 | 51.866 | ug/L | 98 |
| 17) trans-1,2-Dichloroethene | 2.80 | 96 | 65410 | 49.567 | ug/L | 99 |
| 18) Methyl tert-butyl Ether | 2.81 | 73 | 196427 | 50.441 | ug/L | 100 |
| 19) 1,1-Dichloroethane | 3.24 | 63 | 83600 | 50.142 | ug/L | 99 |
| 20) cis-1,2-Dichloroethene | 3.97 | 96 | 59335 | 50.134 | ug/L | 98 |
| 22) 2-Butanone | 4.04 | 43 | 66717 | 92.256 | ug/L | 100 |

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Sample : VSTDCCC050EC
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 81 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD05072

Quant Time: Sep 24 09:05:08 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM092318WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Sep 24 07:19:48 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 23) Bromochloromethane | 4.31 | 128 | 32944 | 50.226 ug/L | 96 |
| 25) Chloroform | 4.44 | 83 | 99558 | 50.373 ug/L | 94 |
| 27) 1,2-Dichloroethane | 5.19 | 62 | 78764 | 49.130 ug/L | 99 |
| 29) Cyclohexane | 4.73 | 56 | 73429 | 48.533 ug/L | 99 |
| 30) 1,1,1-Trichloroethane | 4.67 | 97 | 91087 | 49.194 ug/L | 99 |
| 31) Carbon tetrachloride | 4.88 | 117 | 83770 | 48.968 ug/L | 98 |
| 33) Benzene | 5.15 | 78 | 209607 | 50.578 ug/L | 100 |
| 34) Trichloroethene | 5.96 | 95 | 59790 | 48.783 ug/L | 99 |
| 35) Methylcyclohexane | 6.18 | 83 | 91397 | 48.688 ug/L | 98 |
| 37) 1,2-Dichloropropane | 6.23 | 63 | 48146 | 46.143 ug/L | 97 |
| 38) Bromodichloromethane | 6.56 | 83 | 70930 | 49.446 ug/L | 99 |
| 39) cis-1,3-Dichloropropene | 7.08 | 75 | 81476 | 48.575 ug/L | 99 |
| 40) 4-Methyl-2-pentanone | 7.28 | 43 | 131275 | 95.141 ug/L | 99 |
| 42) Toluene | 7.44 | 91 | 248081 | 50.501 ug/L | 100 |
| 44) trans-1,3-Dichloropropene | 7.70 | 75 | 78126 | 49.058 ug/L | 100 |
| 45) 1,1,2-Trichloroethane | 7.89 | 97 | 61226 | 52.218 ug/L | 96 |
| 46) Tetrachloroethene | 8.02 | 164 | 61975 | 49.406 ug/L | 100 |
| 48) 2-Hexanone | 8.19 | 43 | 100983 | 95.010 ug/L | 97 |
| 49) Dibromochloromethane | 8.30 | 129 | 67674 | 50.866 ug/L | 99 |
| 50) 1,2-Dibromoethane | 8.40 | 107 | 65615 | 49.848 ug/L | 98 |
| 51) Chlorobenzene | 8.93 | 112 | 176187 | 49.792 ug/L | 97 |
| 52) Ethylbenzene | 9.06 | 91 | 280946 | 50.589 ug/L | 99 |
| 53) m,p-Xylene | 9.19 | 106 | 110262 | 49.614 ug/L | 98 |
| 54) o-xylene | 9.59 | 106 | 106579 | 49.161 ug/L | 97 |
| 55) Styrene | 9.61 | 104 | 187664 | 50.739 ug/L | 100 |
| 56) Isopropylbenzene | 9.98 | 105 | 295117 | 50.482 ug/L | 99 |
| 58) 1,1,2,2-Tetrachloroethane | 10.29 | 83 | 94594 | 50.702 ug/L | 100 |
| 59) 1,2,3-Trichloropropane | 10.32 | 75 | 73188 | 49.603 ug/L | 99 |
| 61) Bromoform | 9.78 | 173 | 52082 | 50.283 ug/L | 99 |
| 62) 1,3-Dichlorobenzene | 11.23 | 146 | 154161 | 48.844 ug/L | 99 |
| 63) 1,4-Dichlorobenzene | 11.32 | 146 | 159426 | 48.699 ug/L | 99 |
| 65) 1,2-Dichlorobenzene | 11.69 | 146 | 160938 | 50.430 ug/L | 99 |
| 66) 1,2-Dibromo-3-chloropropan | 12.48 | 75 | 18669 | 48.372 ug/L | 99 |
| 67) 1,3,5-Trichlorobenzene | 12.70 | 180 | 127251 | 48.006 ug/L | 99 |
| 68) 1,2,4-trichlorobenzene | 13.32 | 180 | 113081 | 47.533 ug/L | 100 |
| 69) Naphthalene | 13.56 | 128 | 289167 | 47.408 ug/L | 100 |
| 70) 1,2,3-Trichlorobenzene | 13.80 | 180 | 115004 | 47.826 ug/L | 99 |

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

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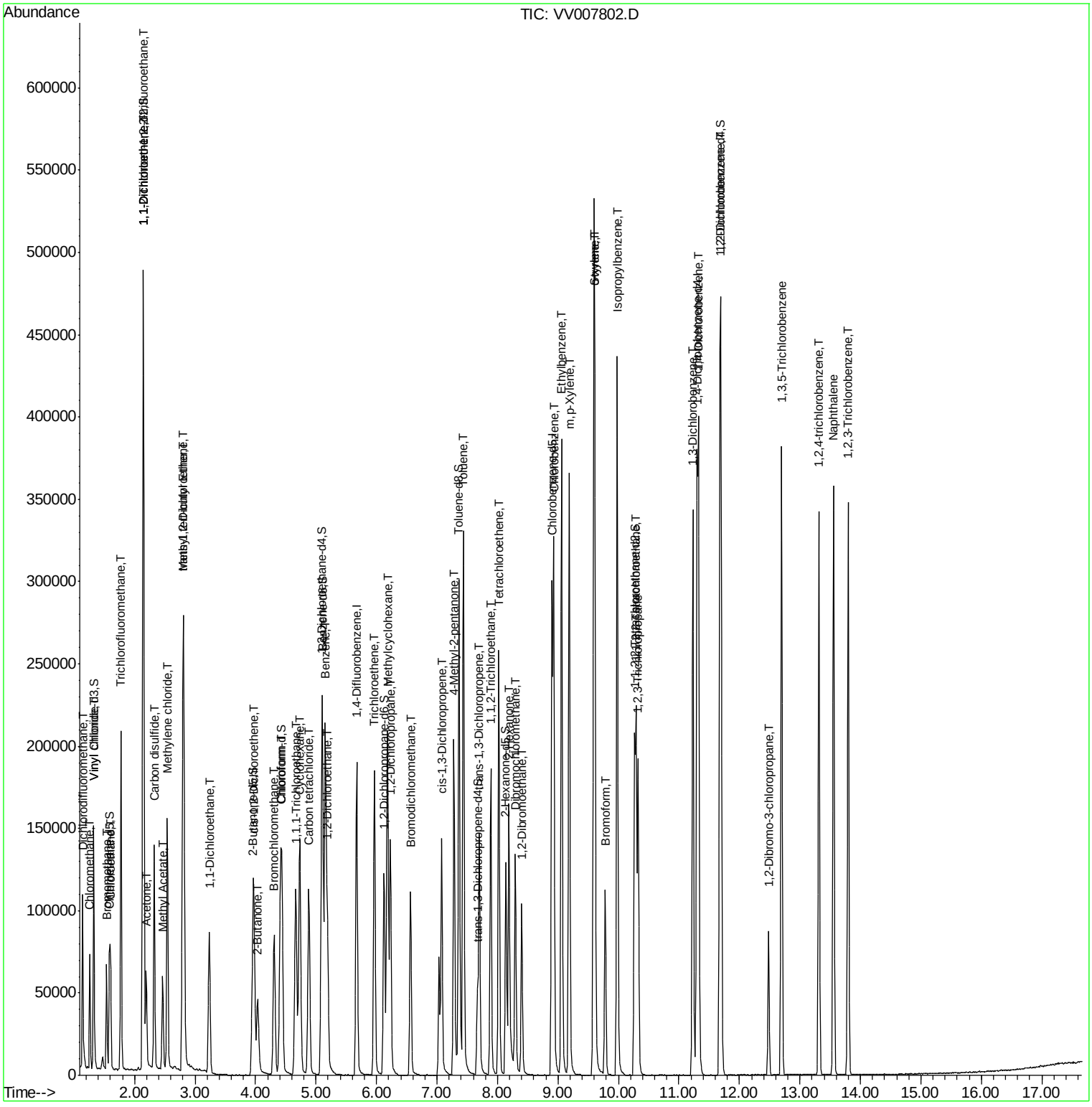
ALS Vial : 81 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD05072

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