

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV111519\  
 Data File : VV013637.D  
 Acq On : 15 Nov 2019 13:06  
 Operator : SY/MD  
 Sample : VSTD00132  
 Misc : 25.0mL/MSVOA V/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD00132

Manual Integrations  
 APPROVED

MMDadoda  
 11/18/2019 9:32:29 AM

Quant Time: Nov 15 23:15:17 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR111519WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Fri Nov 15 23:03:18 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 408970   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.89  | 117  | 397392   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.29 | 152  | 195977   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |      |      |      |
|--------------------------------|-------|-----|--------|------|------|------|
| 4) Vinyl Chloride-d3           | 1.32  | 65  | 21868  | 0.85 | ug/L | 0.00 |
| 7) Chloroethane-d5             | 1.58  | 69  | 20264  | 0.97 | ug/L | 0.00 |
| 11) 1,1-Dichloroethene-d2      | 2.13  | 63  | 39908  | 0.90 | ug/L | 0.00 |
| 20) 2-Butanone-d5              | 3.99  | 46  | 44976m | 9.18 | ug/L | 0.03 |
| 24) Chloroform-d               | 4.40  | 84  | 49262  | 1.06 | ug/L | 0.00 |
| 26) 1,2-Dichloroethane-d4      | 5.08  | 65  | 23169  | 1.02 | ug/L | 0.00 |
| 32) Benzene-d6                 | 5.10  | 84  | 93096  | 0.95 | ug/L | 0.00 |
| 36) 1,2-Dichloropropane-d6     | 6.12  | 67  | 28164  | 0.86 | ug/L | 0.00 |
| 41) Toluene-d8                 | 7.36  | 98  | 81302  | 0.84 | ug/L | 0.00 |
| 43) trans-1,3-Dichloropropene- | 7.67  | 79  | 10493  | 0.86 | ug/L | 0.00 |
| 46) 2-Hexanone-d5              | 8.14  | 63  | 33875  | 7.02 | ug/L | 0.00 |
| 57) 1,1,2,2-Tetrachloroethane- | 10.26 | 84  | 20865  | 0.91 | ug/L | 0.00 |
| 64) 1,2-Dichlorobenzene-d4     | 11.67 | 152 | 34071  | 0.99 | ug/L | 0.00 |

## Target Compounds

|                                |      |     |        |              | Qvalue |
|--------------------------------|------|-----|--------|--------------|--------|
| 2) Dichlorodifluoromethane     | 1.14 | 85  | 33712  | 0.881 ug/L   | 99     |
| 3) Chloromethane               | 1.25 | 50  | 32739  | 0.943 ug/L   | 95     |
| 5) Vinyl chloride              | 1.32 | 62  | 31408  | 0.928 ug/L   | 93     |
| 6) Bromomethane                | 1.53 | 94  | 19161  | 1.007 ug/L   | 96     |
| 8) Chloroethane                | 1.60 | 64  | 16738  | 0.902 ug/L   | 98     |
| 9) Trichlorofluoromethane      | 1.77 | 101 | 42174  | 0.924 ug/L   | 99     |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.14 | 101 | 22765  | 0.882 ug/L   | 96     |
| 12) 1,1-Dichloroethene         | 2.14 | 96  | 22108  | 0.915 ug/L   | 98     |
| 13) Acetone                    | 2.24 | 43  | 31585m | 9.700 ug/L   |        |
| 14) Carbon disulfide           | 2.31 | 76  | 74133  | 1.023 ug/L   | 98     |
| 15) Methyl Acetate             | 2.48 | 43  | 7718   | 0.797 ug/L # | 88     |
| 16) Methylene chloride         | 2.53 | 84  | 31637  | 1.160 ug/L   | 98     |
| 17) Methyl tert-butyl Ether    | 2.80 | 73  | 53967  | 0.940 ug/L   | 96     |
| 18) trans-1,2-Dichloroethene   | 2.79 | 96  | 26172  | 0.991 ug/L   | 95     |
| 19) 1,1-Dichloroethane         | 3.23 | 63  | 47884  | 1.003 ug/L   | 96     |
| 21) 2-Butanone                 | 4.08 | 43  | 48362m | 8.183 ug/L   |        |
| 22) cis-1,2-Dichloroethene     | 3.96 | 96  | 26471  | 0.924 ug/L # | 84     |
| 23) Bromochloromethane         | 4.30 | 128 | 12410  | 0.968 ug/L   | 90     |
| 25) Chloroform                 | 4.42 | 83  | 77728  | 1.309 ug/L   | 93     |
| 27) 1,2-Dichloroethane         | 5.18 | 62  | 28005  | 0.885 ug/L   | 100    |
| 29) 1,1,1-Trichloroethane      | 4.65 | 97  | 42200  | 0.948 ug/L   | 99     |
| 30) Cyclohexane                | 4.72 | 56  | 38261  | 0.860 ug/L   | 97     |
| 31) Carbon tetrachloride       | 4.87 | 117 | 37142  | 0.925 ug/L   | 94     |
| 33) Benzene                    | 5.14 | 78  | 101432 | 0.863 ug/L   | 100    |
| 34) Trichloroethene            | 5.96 | 95  | 28431  | 0.861 ug/L   | 95     |
| 35) Methylcyclohexane          | 6.17 | 83  | 37444  | 0.772 ug/L   | 91     |
| 37) 1,2-Dichloropropane        | 6.22 | 63  | 23661  | 0.781 ug/L   | 100    |
| 38) Bromodichloromethane       | 6.55 | 83  | 35452  | 0.856 ug/L   | 96     |
| 39) cis-1,3-Dichloropropene    | 7.07 | 75  | 31929  | 0.750 ug/L   | 100    |
| 40) 4-Methyl-2-pentanone       | 7.28 | 43  | 132046 | 7.715 ug/L   | 96     |

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 QLast Update : Fri Nov 15 23:03:18 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| -----                          |       |      |          |       |       |          |
| 42) Toluene                    | 7.43  | 91   | 105721   | 0.826 | ug/L  | 100      |
| 44) trans-1,3-Dichloropropene  | 7.69  | 75   | 25879    | 0.806 | ug/L  | 94       |
| 45) 1,1,2-Trichloroethane      | 7.88  | 97   | 18049    | 0.829 | ug/L  | 99       |
| 47) Tetrachloroethene          | 8.02  | 164  | 26097    | 0.865 | ug/L  | 98       |
| 48) 2-Hexanone                 | 8.19  | 43   | 87181    | 7.331 | ug/L  | 96       |
| 49) Dibromochloromethane       | 8.29  | 129  | 22925    | 0.839 | ug/L  | 97       |
| 50) 1,2-Dibromoethane          | 8.40  | 107  | 17338    | 0.867 | ug/L  | 93       |
| 51) Chlorobenzene              | 8.92  | 112  | 71445    | 0.850 | ug/L  | 98       |
| 52) Ethylbenzene               | 9.05  | 91   | 109955   | 0.815 | ug/L  | 99       |
| 53) m,p-xylene                 | 9.18  | 106  | 39071    | 0.760 | ug/L  | 99       |
| 54) o-xylene                   | 9.58  | 106  | 38425    | 0.793 | ug/L  | 97       |
| 55) Styrene                    | 9.60  | 104  | 62525    | 0.750 | ug/L  | 98       |
| 56) Isopropylbenzene           | 9.97  | 105  | 102885   | 0.796 | ug/L  | 98       |
| 58) 1,1,2,2-Tetrachloroethane  | 10.28 | 83   | 18482    | 0.772 | ug/L  | 86       |
| 59) 1,2,3-Trichloropropane     | 10.32 | 75   | 15482    | 0.838 | ug/L  | 97       |
| 61) Bromoform                  | 9.77  | 173  | 13151    | 0.884 | ug/L  | 97       |
| 62) 1,3-Dichlorobenzene        | 11.22 | 146  | 58220    | 0.910 | ug/L  | 99       |
| 63) 1,4-Dichlorobenzene        | 11.32 | 146  | 59373    | 0.906 | ug/L  | 98       |
| 65) 1,2-Dichlorobenzene        | 11.68 | 146  | 55268    | 0.933 | ug/L  | 99       |
| 66) 1,2-Dibromo-3-chloropropan | 12.47 | 75   | 3222     | 0.889 | ug/L  | 90       |
| 67) 1,3,5-Trichlorobenzene     | 12.69 | 180  | 47695    | 0.913 | ug/L  | 99       |
| 68) 1,2,4-trichlorobenzene     | 13.31 | 180  | 38017    | 0.927 | ug/L  | 97       |
| 69) Naphthalene                | 13.55 | 128  | 44829    | 0.850 | ug/L  | 99       |
| 70) 1,2,3-Trichlorobenzene     | 13.79 | 180  | 33979    | 0.895 | ug/L  | 99       |
| -----                          |       |      |          |       |       |          |

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

