

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041819\  
 Data File : VU031266.D  
 Acq On : 17 Apr 2019 19:02  
 Operator : JC/SP  
 Sample : VSTD00103  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD00103

Quant Time: Apr 18 08:01:04 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR041819WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Thu Apr 18 07:57:48 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 326181   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 300300   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 139552   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |       |     |       |       |      |      |
|--------------------------------|-------|-----|-------|-------|------|------|
| 4) Vinyl Chloride-d3           | 1.40  | 65  | 27912 | 1.12  | ug/L | 0.00 |
| 7) Chloroethane-d5             | 1.68  | 69  | 22542 | 1.12  | ug/L | 0.00 |
| 11) 1,1-Dichloroethene-d2      | 2.27  | 63  | 53814 | 1.05  | ug/L | 0.00 |
| 20) 2-Butanone-d5              | 4.22  | 46  | 62221 | 9.86  | ug/L | 0.00 |
| 24) Chloroform-d               | 4.65  | 84  | 40486 | 0.98  | ug/L | 0.00 |
| 26) 1,2-Dichloroethane-d4      | 5.31  | 65  | 19515 | 0.89  | ug/L | 0.00 |
| 32) Benzene-d6                 | 5.34  | 84  | 82860 | 1.04  | ug/L | 0.00 |
| 36) 1,2-Dichloropropane-d6     | 6.33  | 67  | 26906 | 1.03  | ug/L | 0.00 |
| 41) Toluene-d8                 | 7.56  | 98  | 78401 | 1.11  | ug/L | 0.00 |
| 43) trans-1,3-Dichloropropene- | 7.86  | 79  | 9650  | 0.97  | ug/L | 0.00 |
| 46) 2-Hexanone-d5              | 8.32  | 63  | 47886 | 10.95 | ug/L | 0.00 |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43 | 84  | 19549 | 1.03  | ug/L | 0.00 |
| 64) 1,2-Dichlorobenzene-d4     | 11.86 | 152 | 26644 | 1.11  | ug/L | 0.00 |

## Target Compounds

|                                |      |     |        |            | Qvalue |
|--------------------------------|------|-----|--------|------------|--------|
| 2) Dichlorodifluoromethane     | 1.20 | 85  | 25897  | 0.755 ug/L | 99     |
| 3) Chloromethane               | 1.32 | 50  | 33730  | 0.828 ug/L | 99     |
| 5) Vinyl chloride              | 1.40 | 62  | 34732  | 0.925 ug/L | 97     |
| 6) Bromomethane                | 1.63 | 94  | 19452  | 1.011 ug/L | 95     |
| 8) Chloroethane                | 1.70 | 64  | 20553  | 0.943 ug/L | 99     |
| 9) Trichlorofluoromethane      | 1.88 | 101 | 42662  | 0.973 ug/L | 97     |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.28 | 101 | 24096  | 0.983 ug/L | 97     |
| 12) 1,1-Dichloroethene         | 2.28 | 96  | 24508  | 1.028 ug/L | 84     |
| 13) Acetone                    | 2.36 | 43  | 49061  | 9.956 ug/L | 96     |
| 14) Carbon disulfide           | 2.47 | 76  | 85265  | 1.026 ug/L | 99     |
| 15) Methyl Acetate             | 2.63 | 43  | 16482  | 1.304 ug/L | 94     |
| 16) Methylene chloride         | 2.69 | 84  | 33646  | 1.206 ug/L | 94     |
| 17) Methyl tert-butyl Ether    | 3.00 | 73  | 65369  | 1.022 ug/L | 96     |
| 18) trans-1,2-Dichloroethene   | 2.97 | 96  | 25779  | 1.013 ug/L | 94     |
| 19) 1,1-Dichloroethane         | 3.44 | 63  | 40411  | 0.804 ug/L | 99     |
| 21) 2-Butanone                 | 4.30 | 43  | 63021  | 8.436 ug/L | 97     |
| 22) cis-1,2-Dichloroethene     | 4.22 | 96  | 22752  | 0.875 ug/L | 93     |
| 23) Bromochloromethane         | 4.55 | 128 | 10597  | 1.015 ug/L | 94     |
| 25) Chloroform                 | 4.67 | 83  | 39473  | 0.851 ug/L | 97     |
| 27) 1,2-Dichloroethane         | 5.40 | 62  | 25833  | 0.860 ug/L | 100    |
| 29) 1,1,1-Trichloroethane      | 4.91 | 97  | 33427  | 0.904 ug/L | 95     |
| 30) Cyclohexane                | 4.98 | 56  | 38325  | 0.857 ug/L | 100    |
| 31) Carbon tetrachloride       | 5.13 | 117 | 28724  | 0.920 ug/L | 95     |
| 33) Benzene                    | 5.39 | 78  | 88100  | 0.893 ug/L | 100    |
| 34) Trichloroethene            | 6.18 | 95  | 23984  | 0.962 ug/L | 96     |
| 35) Methylcyclohexane          | 6.41 | 83  | 33307  | 0.848 ug/L | 98     |
| 37) 1,2-Dichloropropane        | 6.43 | 63  | 22810  | 0.845 ug/L | 99     |
| 38) Bromodichloromethane       | 6.75 | 83  | 26482  | 0.838 ug/L | 91     |
| 39) cis-1,3-Dichloropropene    | 7.27 | 75  | 32545  | 0.904 ug/L | 99     |
| 40) 4-Methyl-2-pentanone       | 7.47 | 43  | 142238 | 8.428 ug/L | 100    |

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|--------------------------------|-------|------|----------|-------|--------|----------|
| 42) Toluene                    | 7.63  | 91   | 92043    | 0.923 | ug/L   | 99       |
| 44) trans-1,3-Dichloropropene  | 7.88  | 75   | 23071    | 0.819 | ug/L   | 97       |
| 45) 1,1,2-Trichloroethane      | 8.07  | 97   | 16008    | 0.967 | ug/L   | 95       |
| 47) Tetrachloroethene          | 8.22  | 164  | 18361    | 1.030 | ug/L   | 94       |
| 48) 2-Hexanone                 | 8.37  | 43   | 97067    | 8.326 | ug/L   | 99       |
| 49) Dibromochloromethane       | 8.47  | 129  | 18767    | 0.958 | ug/L   | 96       |
| 50) 1,2-Dibromoethane          | 8.59  | 107  | 15163    | 0.983 | ug/L # | 95       |
| 51) Chlorobenzene              | 9.12  | 112  | 57352    | 0.927 | ug/L   | 94       |
| 52) Ethylbenzene               | 9.25  | 91   | 94547    | 0.891 | ug/L   | 99       |
| 53) m,p-Xylene                 | 9.37  | 106  | 35160    | 0.938 | ug/L   | 93       |
| 54) o-Xylene                   | 9.78  | 106  | 34755    | 0.943 | ug/L   | 97       |
| 55) Styrene                    | 9.79  | 104  | 55833    | 0.906 | ug/L   | 95       |
| 56) Isopropylbenzene           | 10.16 | 105  | 89538    | 0.913 | ug/L   | 98       |
| 58) 1,1,2,2-Tetrachloroethane  | 10.46 | 83   | 20228    | 0.935 | ug/L   | 97       |
| 59) 1,2,3-Trichloropropane     | 10.49 | 75   | 14465    | 0.946 | ug/L   | 97       |
| 61) Bromoform                  | 9.95  | 173  | 10920    | 1.037 | ug/L # | 94       |
| 62) 1,3-Dichlorobenzene        | 11.42 | 146  | 41367    | 0.941 | ug/L   | 98       |
| 63) 1,4-Dichlorobenzene        | 11.50 | 146  | 43037    | 0.939 | ug/L   | 96       |
| 65) 1,2-Dichlorobenzene        | 11.88 | 146  | 39662    | 0.926 | ug/L   | 94       |
| 66) 1,2-Dibromo-3-chloropropan | 12.66 | 75   | 2937     | 0.895 | ug/L # | 88       |
| 67) 1,3,5-Trichlorobenzene     | 12.89 | 180  | 32355    | 0.985 | ug/L   | 96       |
| 68) 1,2,4-trichlorobenzene     | 13.50 | 180  | 26310    | 1.024 | ug/L   | 96       |
| 69) Naphthalene                | 13.74 | 128  | 84474    | 1.898 | ug/L   | 98       |
| 70) 1,2,3-Trichlorobenzene     | 13.99 | 180  | 25502    | 1.053 | ug/L   | 99       |

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

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