

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV050720\  
 Data File : VV015932.D  
 Acq On : 07 May 2020 10:05  
 Operator : SY/MD  
 Sample : VSTD0.531  
 Misc : 25.0mL/MSVOA V/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD0.531

Manual Integrations  
 APPROVED

apatel  
 5/8/2020 12:57:51 PM

Quant Time: May 08 04:46:15 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR050720WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Fri May 08 04:37:53 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.64  | 114  | 150988   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.87  | 117  | 147269   | 5.00 | ug/L  | 0.00     |
| 61) 1,4-Dichlorobenzene-d4 | 11.27 | 152  | 71676    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |       |     |       |      |      |      |
|--------------------------------|-------|-----|-------|------|------|------|
| 4) Vinyl Chloride-d3           | 1.31  | 65  | 4302  | 0.47 | ug/L | 0.00 |
| 7) Chloroethane-d5             | 1.58  | 69  | 3954  | 0.48 | ug/L | 0.00 |
| 11) 1,1-Dichloroethene-d2      | 2.12  | 63  | 9074  | 0.49 | ug/L | 0.00 |
| 20) 2-Butanone-d5              | 3.98  | 46  | 9257m | 3.85 | ug/L | 0.04 |
| 24) Chloroform-d               | 4.38  | 84  | 8825  | 0.49 | ug/L | 0.00 |
| 26) 1,2-Dichloroethane-d4      | 5.07  | 65  | 4949  | 0.47 | ug/L | 0.00 |
| 32) Benzene-d6                 | 5.08  | 84  | 16730 | 0.46 | ug/L | 0.00 |
| 36) 1,2-Dichloropropane-d6     | 6.09  | 67  | 5008  | 0.45 | ug/L | 0.00 |
| 41) Toluene-d8                 | 7.34  | 98  | 15253 | 0.45 | ug/L | 0.00 |
| 45) trans-1,3-Dichloropropene- | 7.65  | 79  | 1686  | 0.39 | ug/L | 0.00 |
| 48) 2-Hexanone-d5              | 8.12  | 63  | 6795  | 3.51 | ug/L | 0.00 |
| 59) 1,1,2,2-Tetrachloroethane- | 10.24 | 84  | 3454  | 0.43 | ug/L | 0.00 |
| 65) 1,2-Dichlorobenzene-d4     | 11.65 | 152 | 5932  | 0.50 | ug/L | 0.00 |

## Target Compounds

|                                |      |     |        |              | Qvalue |
|--------------------------------|------|-----|--------|--------------|--------|
| 2) Dichlorodifluoromethane     | 1.14 | 85  | 5702   | 0.474 ug/L   | 97     |
| 3) Chloromethane               | 1.24 | 50  | 6096   | 0.507 ug/L   | 99     |
| 5) Vinyl chloride              | 1.32 | 62  | 5672   | 0.494 ug/L   | 100    |
| 6) Bromomethane                | 1.53 | 94  | 3112   | 0.487 ug/L   | 89     |
| 8) Chloroethane                | 1.59 | 64  | 5065   | 0.718 ug/L # | 70     |
| 9) Trichlorofluoromethane      | 1.76 | 101 | 7346   | 0.473 ug/L   | 95     |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.13 | 101 | 4239   | 0.481 ug/L   | 99     |
| 12) 1,1-Dichloroethene         | 2.13 | 96  | 4350   | 0.512 ug/L   | 81     |
| 13) Acetone                    | 2.25 | 43  | 7079m  | 4.774 ug/L   |        |
| 14) Carbon disulfide           | 2.30 | 76  | 13150  | 0.477 ug/L   | 98     |
| 15) Methyl Acetate             | 2.48 | 43  | 1514   | 0.438 ug/L # | 89     |
| 16) Methylene chloride         | 2.52 | 84  | 5743   | 0.486 ug/L   | 99     |
| 17) Methyl tert-butyl Ether    | 2.79 | 73  | 10151  | 0.456 ug/L # | 92     |
| 18) trans-1,2-Dichloroethene   | 2.78 | 96  | 4309   | 0.455 ug/L   | 95     |
| 19) 1,1-Dichloroethane         | 3.21 | 63  | 8573   | 0.474 ug/L   | 90     |
| 21) 2-Butanone                 | 4.07 | 43  | 10924m | 4.462 ug/L   |        |
| 22) cis-1,2-Dichloroethene     | 3.95 | 96  | 4655   | 0.471 ug/L   | 98     |
| 23) Bromochloromethane         | 4.28 | 128 | 1850   | 0.445 ug/L   | 92     |
| 25) Chloroform                 | 4.40 | 83  | 9660   | 0.489 ug/L   | 98     |
| 27) 1,2-Dichloroethane         | 5.16 | 62  | 5857   | 0.484 ug/L   | 96     |
| 29) 1,1,1-Trichloroethane      | 4.63 | 97  | 7933   | 0.475 ug/L   | 94     |
| 30) Cyclohexane                | 4.70 | 56  | 7544   | 0.443 ug/L   | 93     |
| 31) Carbon tetrachloride       | 4.85 | 117 | 6972   | 0.486 ug/L   | 91     |
| 33) Benzene                    | 5.13 | 78  | 17371  | 0.454 ug/L   | 100    |
| 34) Trichloroethene            | 5.94 | 95  | 5319   | 0.508 ug/L   | 93     |
| 35) Methylcyclohexane          | 6.15 | 83  | 6975   | 0.410 ug/L   | 94     |
| 37) 1,2-Dichloropropane        | 6.20 | 63  | 4433   | 0.466 ug/L # | 94     |
| 38) Bromodichloromethane       | 6.53 | 83  | 5522   | 0.457 ug/L   | 99     |
| 39) cis-1,3-Dichloropropene    | 7.05 | 75  | 5582   | 0.413 ug/L   | 100    |
| 40) 4-Methyl-2-pentanone       | 7.26 | 43  | 24630  | 4.056 ug/L   | 98     |

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 QLast Update : Fri May 08 04:37:53 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|-------|--------|----------|
| -----                          |       |      |          |       |        |          |
| 42) Toluene                    | 7.41  | 91   | 17962    | 0.440 | ug/L   | 99       |
| 43) 1,3,5-Trimethylbenzene     | 10.56 | 105  | 14205    | 0.376 | ug/L # | 100      |
| 44) 1,2,4-Trimethylbenzene     | 10.94 | 105  | 13655    | 0.357 | ug/L # | 100      |
| 46) trans-1,3-Dichloropropene  | 7.68  | 75   | 4597     | 0.402 | ug/L   | 100      |
| 47) 1,1,2-Trichloroethane      | 7.87  | 97   | 3118     | 0.487 | ug/L   | 95       |
| 49) Tetrachloroethene          | 7.99  | 164  | 3329     | 0.429 | ug/L   | 98       |
| 50) 2-Hexanone                 | 8.17  | 43   | 16333    | 3.825 | ug/L   | 94       |
| 51) Dibromochloromethane       | 8.27  | 129  | 2971     | 0.422 | ug/L   | 99       |
| 52) 1,2-Dibromoethane          | 8.38  | 107  | 2526     | 0.413 | ug/L # | 91       |
| 53) Chlorobenzene              | 8.90  | 112  | 11988    | 0.460 | ug/L   | 93       |
| 54) Ethylbenzene               | 9.04  | 91   | 19393    | 0.419 | ug/L   | 95       |
| 55) m,p-xylene                 | 9.16  | 106  | 6994     | 0.402 | ug/L   | 91       |
| 56) o-xylene                   | 9.57  | 106  | 6801     | 0.414 | ug/L   | 97       |
| 57) Styrene                    | 9.59  | 104  | 10373    | 0.375 | ug/L   | 97       |
| 58) Isopropylbenzene           | 9.95  | 105  | 18277    | 0.402 | ug/L   | 98       |
| 60) 1,1,2,2-Tetrachloroethane  | 10.26 | 83   | 2917     | 0.399 | ug/L   | 96       |
| 62) Bromoform                  | 9.75  | 173  | 1475     | 0.477 | ug/L # | 95       |
| 63) 1,3-Dichlorobenzene        | 11.21 | 146  | 8900     | 0.441 | ug/L   | 90       |
| 64) 1,4-Dichlorobenzene        | 11.30 | 146  | 9498     | 0.477 | ug/L   | 97       |
| 66) 1,2-Dichlorobenzene        | 11.67 | 146  | 8078     | 0.444 | ug/L   | 94       |
| 67) 1,2-Dibromo-3-chloropropan | 12.46 | 75   | 524      | 0.417 | ug/L # | 83       |
| 68) 1,3,5-Trichlorobenzene     | 12.67 | 180  | 6569     | 0.441 | ug/L   | 98       |
| 69) 1,2,4-trichlorobenzene     | 13.29 | 180  | 5331     | 0.425 | ug/L   | 97       |
| 70) Naphthalene                | 13.53 | 128  | 7236     | 0.347 | ug/L   | 97       |
| 71) 1,2,3-Trichlorobenzene     | 13.77 | 180  | 4725     | 0.421 | ug/L   | 93       |
| -----                          |       |      |          |       |        |          |

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

