

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062620\  
 Data File : VX017002.D  
 Acq On : 27 Jun 2020 00:26  
 Operator : JC/SP  
 Sample : L3146-01  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 36 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 200624026-02-VOA

Manual Integrations  
 APPROVED

MMDadoda  
 6/29/2020 12:32:56 PM

Quant Time: Jun 29 07:12:20 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X062520W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Fri Jun 26 09:03:25 2020  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 4.99  | 128  | 53190    | 30.00 | ug/l  | 0.00     |
| 28) 1,4-Difluorobenzene | 6.84  | 114  | 295158   | 30.00 | ug/l  | 0.00     |
| 57) Chlorobenzene-d5    | 10.10 | 117  | 282868   | 30.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |       |          |          |      |        |
|---------------------------|--------|-------|----------|----------|------|--------|
| 27) 1,2-Dichloroethane-d4 | 6.04   | 65    | 123111   | 29.74    | ug/l | 0.00   |
| Spiked Amount             | 30.000 | Range | 50 - 169 | Recovery | =    | 99.13% |
| 60) 4-Bromofluorobenzene  | 11.12  | 95    | 137008   | 29.04    | ug/l | 0.00   |
| Spiked Amount             | 30.000 | Range | 56 - 143 | Recovery | =    | 96.80% |
| 63) Toluene-d8            | 8.70   | 98    | 357113   | 28.64    | ug/l | 0.00   |
| Spiked Amount             | 30.000 | Range | 66 - 137 | Recovery | =    | 95.47% |

## Target Compounds

|                             |       |     |         |          | Ovalue     |
|-----------------------------|-------|-----|---------|----------|------------|
| 4) Vinyl Chloride           | 1.40  | 62  | 1700    | 0.475    | ug/l 93    |
| 8) Diethyl Ether            | 2.17  | 74  | 12082   | 5.708    | ug/l 97    |
| 15) Acetone                 | 2.42  | 58  | 13539   | 28.759   | ug/l 84    |
| 22) cis-1,2-Dichloroethene  | 4.57  | 96  | 3530    | 0.919    | ug/l 83    |
| 23) tert-Butyl Alcohol      | 3.01  | 59  | 3427664 | 4253.546 | ug/l # 100 |
| 24) Methyl tert-Butyl Ether | 3.17  | 73  | 28268   | 2.600    | ug/l 99    |
| 34) Benzene                 | 6.12  | 78  | 46078   | 3.291    | ug/l 96    |
| 36) 1,2-Dichloroethane      | 6.17  | 62  | 3248m   | 0.606    | ug/l       |
| 37) Trichloroethene         | 7.20  | 130 | 7746m   | 2.028    | ug/l       |
| 39) 1,2-Dichloropropane     | 7.49  | 63  | 861     | 0.236    | ug/l 95    |
| 45) 1,4-Dioxane             | 7.72  | 88  | 7005    | 81.145   | ug/l # 81  |
| 58) 4-Methyl-2-Pentanone    | 8.62  | 43  | 30695   | 5.891    | ug/l 94    |
| 62) Toluene                 | 8.77  | 91  | 87688   | 5.668    | ug/l 99    |
| 64) Chlorobenzene           | 10.12 | 112 | 9471m   | 0.977    | ug/l       |
| 66) Ethyl Benzene           | 10.24 | 91  | 17104   | 0.997    | ug/l 96    |
| 67) m/p-Xylenes             | 10.34 | 106 | 52593   | 8.126    | ug/l 97    |
| 68) o-Xylene                | 10.68 | 106 | 33232   | 5.345    | ug/l 96    |
| 76) 1,3,5-Trimethylbenzene  | 11.49 | 105 | 10680   | 0.755    | ug/l 94    |
| 80) 1,2,4-Trimethylbenzene  | 11.79 | 105 | 29370   | 2.067    | ug/l 99    |
| 82) p-Isopropyltoluene      | 12.05 | 119 | 3643    | 0.246    | ug/l 87    |
| 84) 1,4-Dichlorobenzene     | 12.08 | 146 | 22465   | 2.932    | ug/l 96    |
| 91) Naphthalene             | 13.82 | 128 | 4978    | 0.315    | ug/l 96    |

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

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