

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051019\  
 Data File : VX009477.D  
 Acq On : 10 May 2019 12:51  
 Operator : JC/SP  
 Sample : K2747-01  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 55-ST-12

Manual Integrations  
 APPROVED

MMDadoda  
 5/11/2019 11:52:00 AM

Quant Time: May 11 03:21:08 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X050119W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Thu May 02 06:46:57 2019  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.02  | 128  | 28720    | 30.00 | ug/l  | 0.00     |
| 28) 1,4-Difluorobenzene | 6.86  | 114  | 159504   | 30.00 | ug/l  | 0.00     |
| 57) Chlorobenzene-d5    | 10.11 | 117  | 139944   | 30.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |       |          |          |      |         |
|---------------------------|--------|-------|----------|----------|------|---------|
| 27) 1,2-Dichloroethane-d4 | 6.06   | 65    | 69299    | 29.09    | ug/l | 0.00    |
| Spiked Amount             | 30.000 | Range | 50 - 169 | Recovery | =    | 96.97%  |
| 60) 4-Bromofluorobenzene  | 11.13  | 95    | 69359    | 29.17    | ug/l | 0.00    |
| Spiked Amount             | 30.000 | Range | 56 - 143 | Recovery | =    | 97.23%  |
| 63) Toluene-d8            | 8.71   | 98    | 200968   | 30.29    | ug/l | 0.00    |
| Spiked Amount             | 30.000 | Range | 66 - 137 | Recovery | =    | 100.97% |

## Target Compounds

|                            |       |     |       |             | Ovalue |
|----------------------------|-------|-----|-------|-------------|--------|
| 15) Acetone                | 2.44  | 58  | 4080  | 11.067 ug/l | 82     |
| 22) cis-1,2-Dichloroethene | 4.60  | 96  | 4346  | 2.154 ug/l  | 90     |
| 25) Chloroform             | 5.21  | 83  | 17377 | 5.298 ug/l  | 100    |
| 58) 4-Methyl-2-Pentanone   | 8.64  | 43  | 61657 | 17.918 ug/l | 99     |
| 62) Toluene                | 8.79  | 91  | 10812 | 1.446 ug/l  | 100    |
| 66) Ethyl Benzene          | 10.25 | 91  | 23472 | 2.818 ug/l  | 97     |
| 67) m/p-Xylenes            | 10.35 | 106 | 39442 | 12.968 ug/l | 97     |
| 68) o-Xylene               | 10.69 | 106 | 20600 | 6.888 ug/l  | 98     |
| 70) Isopropylbenzene       | 11.02 | 105 | 3296  | 0.410 ug/l  | 95     |
| 74) n-propylbenzene        | 11.36 | 91  | 11664 | 1.251 ug/l  | 97     |
| 76) 1,3,5-Trimethylbenzene | 11.51 | 105 | 21778 | 3.196 ug/l  | 100    |
| 80) 1,2,4-Trimethylbenzene | 11.80 | 105 | 84306 | 12.346 ug/l | 99     |
| 81) sec-Butylbenzene       | 11.94 | 105 | 2711  | 0.346 ug/l  | 99     |
| 82) p-Isopropyltoluene     | 12.06 | 119 | 2082m | 0.292 ug/l  |        |
| 91) Naphthalene            | 13.83 | 128 | 16977 | 2.036 ug/l  | 98     |

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

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