

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041719\
 Data File : VU031217.D
 Acq On : 16 Apr 2019 17:41
 Operator : JC/SP
 Sample : VSTD20051
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD20051

Quant Time: Apr 17 02:39:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Apr 17 02:35:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	528794	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	478575	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	256365	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	924511	196.86	ug/L	0.00
7) Chloroethane-d5	1.68	69	817101	219.98	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.27	63	1869495	216.36	ug/L	0.00
21) 2-Butanone-d5	4.18	46	1462796	393.86	ug/L	0.00
24) Chloroform-d	4.64	84	1580276	213.04	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.30	65	986530	199.32	ug/L	0.00
32) Benzene-d6	5.34	84	3174456	223.18	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.32	67	1017945	212.33	ug/L	0.00
41) Toluene-d8	7.56	98	2901472	231.53	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	524430	238.23	ug/L	0.00
47) 2-Hexanone-d5	8.31	63	1101013	502.17	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	1397806	216.48	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.85	152	1110989	216.49	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	918080	196.502	ug/L	99
3) Chloromethane	1.32	50	1079599	182.240	ug/L	99
5) Vinyl chloride	1.40	62	1035142	181.041	ug/L	97
6) Bromomethane	1.63	94	705644	225.002	ug/L	99
8) Chloroethane	1.70	64	699470	206.986	ug/L	99
9) Trichlorofluoromethane	1.88	101	1483735	213.162	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	785350	204.367	ug/L	99
12) 1,1-Dichloroethene	2.28	96	777148	210.673	ug/L	94
13) Acetone	2.34	43	921308	257.587	ug/L	98
14) Carbon disulfide	2.47	76	2225143	198.662	ug/L	99
15) Methyl Acetate	2.61	43	986976	175.035	ug/L	99
16) Methylene chloride	2.70	84	804110	185.602	ug/L	99
17) trans-1,2-Dichloroethene	2.98	96	748475	197.111	ug/L	98
18) Methyl tert-butyl Ether	2.99	73	2458330	194.402	ug/L	100
19) 1,1-Dichloroethane	3.44	63	1454915	186.334	ug/L	99
20) cis-1,2-Dichloroethene	4.22	96	838507	193.986	ug/L	95
22) 2-Butanone	4.27	43	1453543	336.328	ug/L	99
23) Bromochloromethane	4.54	128	412417	200.802	ug/L	99
25) Chloroform	4.67	83	1435513	178.626	ug/L	100
27) 1,2-Dichloroethane	5.40	62	1115149	182.834	ug/L	99
29) Cyclohexane	4.99	56	1404101	204.745	ug/L	98
30) 1,1,1-Trichloroethane	4.91	97	1234211	208.286	ug/L	100
31) Carbon tetrachloride	5.13	117	1086092	212.504	ug/L	98
33) Benzene	5.39	78	3208462	203.922	ug/L	100
34) Trichloroethene	6.18	95	763823	197.870	ug/L	99
35) Methylcyclohexane	6.41	83	1271083	215.553	ug/L	99
37) 1,2-Dichloropropane	6.43	63	849147	193.915	ug/L	99
38) Bromodichloromethane	6.75	83	1080142	201.895	ug/L	98
39) cis-1,3-Dichloropropene	7.26	75	1394107	223.054	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	2563779	373.133	ug/L	98

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42) Toluene	7.63	91	3391861	213.435	ug/L	100
44) trans-1,3-Dichloropropene	7.87	75	1220547	220.824	ug/L	98
45) 1,1,2-Trichloroethane	8.06	97	772056	204.416	ug/L	97
46) Tetrachloroethene	8.22	164	618773	218.037	ug/L	98
48) 2-Hexanone	8.36	43	2031917	380.558	ug/L	99
49) Dibromochloromethane	8.47	129	871814	217.151	ug/L	97
50) 1,2-Dibromoethane	8.58	107	835995	206.076	ug/L	99
51) Chlorobenzene	9.12	112	2004159	203.930	ug/L	99
52) Ethylbenzene	9.25	91	3826843	220.667	ug/L	99
53) m,p-Xylene	9.37	106	1385228	227.638	ug/L	97
54) o-xylene	9.77	106	1429208	235.852	ug/L	99
55) Styrene	9.79	104	2485390	240.256	ug/L	97
56) Isopropylbenzene	10.16	105	3617867	227.970	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.45	83	1320910	196.166	ug/L	100
59) 1,2,3-Trichloropropane	10.49	75	1018357	194.811	ug/L	99
61) Bromoform	9.95	173	686620	201.474	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	1606850	198.657	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	1614350	195.314	ug/L	100
65) 1,2-Dichlorobenzene	11.87	146	1611044	197.234	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	311885	184.358	ug/L	98
67) 1,3,5-Trichlorobenzene	12.88	180	1251402	210.185	ug/L	100
68) 1,2,4-trichlorobenzene	13.50	180	1126672	224.300	ug/L	99
69) Naphthalene	13.74	128	3690098	227.609	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	1148217	217.137	ug/L	98

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

