

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071219\
 Data File : VU033213.D
 Acq On : 12 Jul 2019 10:50
 Operator : JC/SP
 Sample : VSTD20036
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD20036

Quant Time: Jul 12 23:32:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071219WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jul 12 23:28:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	337397	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	343649	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	185551	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	513974	220.44	ug/L	0.00
7) Chloroethane-d5	1.65	69	432895	229.24	ug/L	-0.02
11) 1,1-Dichloroethene-d2	2.25	63	950984	202.95	ug/L	0.00
21) 2-Butanone-d5	4.14	46	742243	403.34	ug/L	0.00
24) Chloroform-d	4.62	84	878819	200.17	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.28	65	547696	188.00	ug/L	0.00
32) Benzene-d6	5.31	84	1757487	201.52	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.31	67	553637	200.19	ug/L	0.00
41) Toluene-d8	7.55	98	1704216	207.98	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.83	79	292719	203.80	ug/L	0.00
47) 2-Hexanone-d5	8.30	63	614017	474.53	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.41	84	875704	203.73	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.85	152	684904	196.02	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	643222	191.705	ug/L	99
3) Chloromethane	1.32	50	628408	202.717	ug/L	100
5) Vinyl chloride	1.39	62	733176	231.758	ug/L	100
6) Bromomethane	1.59	94	663721	359.064	ug/L	99
8) Chloroethane	1.67	64	438799	236.087	ug/L	97
9) Trichlorofluoromethane	1.86	101	959628	218.952	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.26	101	444021	196.279	ug/L	99
12) 1,1-Dichloroethene	2.26	96	442110	205.673	ug/L	98
13) Acetone	2.31	43	648303	260.245	ug/L	99
14) Carbon disulfide	2.45	76	1348440	201.148	ug/L	99
15) Methyl Acetate	2.59	43	545231	187.305	ug/L	100
16) Methylene chloride	2.68	84	503994	202.966	ug/L	95
17) trans-1,2-Dichloroethene	2.96	96	465325	203.216	ug/L	99
18) Methyl tert-butyl Ether	2.98	73	1498311	205.505	ug/L	99
19) 1,1-Dichloroethane	3.42	63	878313	201.843	ug/L	99
20) cis-1,2-Dichloroethene	4.19	96	537026	214.001	ug/L	99
22) 2-Butanone	4.23	43	898479	343.318	ug/L	99
23) Bromochloromethane	4.52	128	269098	207.276	ug/L	97
25) Chloroform	4.64	83	910776	201.786	ug/L	99
27) 1,2-Dichloroethane	5.38	62	725387	197.572	ug/L	99
29) Cyclohexane	4.97	56	796826	203.228	ug/L	100
30) 1,1,1-Trichloroethane	4.89	97	784479	192.340	ug/L	99
31) Carbon tetrachloride	5.11	117	704980	191.000	ug/L	100
33) Benzene	5.36	78	2003178	204.521	ug/L	100
34) Trichloroethene	6.16	95	518609	199.528	ug/L	98
35) Methylcyclohexane	6.40	83	852766	212.267	ug/L	98
37) 1,2-Dichloropropane	6.41	63	539132	201.493	ug/L	99
38) Bromodichloromethane	6.73	83	703094	196.546	ug/L	99
39) cis-1,3-Dichloropropene	7.25	75	896546	217.097	ug/L	98
40) 4-Methyl-2-pentanone	7.44	43	1617741	389.113	ug/L	99

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42) Toluene	7.62	91	2233968	210.777	ug/L	100
44) trans-1,3-Dichloropropene	7.86	75	810605	208.413	ug/L	100
45) 1,1,2-Trichloroethane	8.05	97	511610	205.018	ug/L	99
46) Tetrachloroethene	8.21	164	412688	195.610	ug/L	99
48) 2-Hexanone	8.35	43	1312990	362.905	ug/L	100
49) Dibromochloromethane	8.46	129	601255	202.827	ug/L	100
50) 1,2-Dibromoethane	8.57	107	573352	207.160	ug/L	99
51) Chlorobenzene	9.10	112	1429352	205.277	ug/L	99
52) Ethylbenzene	9.23	91	2511913	214.782	ug/L	99
53) m,p-Xylene	9.36	106	954534	215.933	ug/L	100
54) o-xylene	9.76	106	958846	221.641	ug/L	99
55) Styrene	9.77	104	1673074	223.634	ug/L	99
56) Isopropylbenzene	10.15	105	2498197	215.823	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.44	83	932182	206.061	ug/L	100
59) 1,2,3-Trichloropropane	10.48	75	726557	203.763	ug/L	99
61) Bromoform	9.94	173	481215	204.576	ug/L	98
62) 1,3-Dichlorobenzene	11.40	146	1161323	204.523	ug/L	100
63) 1,4-Dichlorobenzene	11.49	146	1175020	199.851	ug/L	99
65) 1,2-Dichlorobenzene	11.86	146	1171843	201.653	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.64	75	223641	203.394	ug/L	92
67) 1,3,5-Trichlorobenzene	12.87	180	871897	193.393	ug/L	99
68) 1,2,4-trichlorobenzene	13.49	180	808244	209.967	ug/L	100
69) Naphthalene	13.73	128	2776429	231.738	ug/L	99
70) 1,2,3-Trichlorobenzene	13.97	180	822396	201.269	ug/L	98

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

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