

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080319\
 Data File : VU033582.D
 Acq On : 03 Aug 2019 10:56
 Operator : JC/SP
 Sample : VSTD01036
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01036

Quant Time: Aug 05 05:29:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080319WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Aug 05 05:25:49 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	283087	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	279177	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	141711	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	21693	10.66	ug/L	0.00
7) Chloroethane-d5	1.67	69	20052	11.35	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.26	63	40389	10.82	ug/L	0.00
21) 2-Butanone-d5	4.17	46	31508	22.57	ug/L	0.01
24) Chloroform-d	4.62	84	39939	11.43	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.29	65	25486	11.58	ug/L	0.00
32) Benzene-d6	5.32	84	75755	10.87	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.31	67	24482	11.22	ug/L	0.00
41) Toluene-d8	7.55	98	69170	10.60	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.84	79	11354	10.46	ug/L	0.00
47) 2-Hexanone-d5	8.30	63	20898	20.05	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.41	84	37873	11.18	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.85	152	28419	10.87	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	28814	10.984 ug/L	98
3) Chloromethane	1.32	50	30621	11.547 ug/L	100
5) Vinyl chloride	1.40	62	31341	11.008 ug/L	99
6) Bromomethane	1.62	94	21630	8.559 ug/L	100
8) Chloroethane	1.69	64	20365	11.768 ug/L	100
9) Trichlorofluoromethane	1.87	101	42417	11.361 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	21602	11.372 ug/L	98
12) 1,1-Dichloroethene	2.27	96	20360	11.251 ug/L	93
13) Acetone	2.32	43	37101	26.575 ug/L	100
14) Carbon disulfide	2.46	76	58913	10.459 ug/L	99
15) Methyl Acetate	2.60	43	27094	12.117 ug/L	96
16) Methylene chloride	2.68	84	24072	11.568 ug/L	99
17) trans-1,2-Dichloroethene	2.97	96	21014	11.068 ug/L	97
18) Methyl tert-butyl Ether	2.98	73	63892	10.963 ug/L	99
19) 1,1-Dichloroethane	3.42	63	40899	11.400 ug/L	99
20) cis-1,2-Dichloroethene	4.20	96	22613	10.534 ug/L	97
22) 2-Butanone	4.25	43	37330	22.340 ug/L	96
23) Bromochloromethane	4.52	128	12497	11.250 ug/L	97
25) Chloroform	4.65	83	43482	11.541 ug/L	98
27) 1,2-Dichloroethane	5.38	62	32477	11.161 ug/L	100
29) Cyclohexane	4.97	56	30835	10.253 ug/L	99
30) 1,1,1-Trichloroethane	4.89	97	35733	11.205 ug/L	98
31) Carbon tetrachloride	5.11	117	30370	10.909 ug/L	99
33) Benzene	5.37	78	86952	10.886 ug/L	100
34) Trichloroethene	6.17	95	23151	11.001 ug/L	98
35) Methylcyclohexane	6.40	83	31317	9.556 ug/L	95
37) 1,2-Dichloropropane	6.41	63	24863	11.525 ug/L	98
38) Bromodichloromethane	6.74	83	31252	11.253 ug/L	98
39) cis-1,3-Dichloropropene	7.25	75	33784	10.099 ug/L	98
40) 4-Methyl-2-pentanone	7.44	43	65785	21.969 ug/L	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.62	91	91714	10.699	ug/L	98
44) trans-1,3-Dichloropropene	7.86	75	31414	10.430	ug/L	95
45) 1,1,2-Trichloroethane	8.05	97	23036	11.301	ug/L	99
46) Tetrachloroethene	8.21	164	18226	10.654	ug/L	97
48) 2-Hexanone	8.35	43	53472	22.176	ug/L	98
49) Dibromochloromethane	8.46	129	25647	11.079	ug/L	99
50) 1,2-Dibromoethane	8.57	107	24826	11.061	ug/L	95
51) Chlorobenzene	9.10	112	62259	11.100	ug/L	99
52) Ethylbenzene	9.23	91	93371	10.115	ug/L	99
53) m,p-Xylene	9.36	106	35600	10.019	ug/L	96
54) o-xylene	9.76	106	34382	10.032	ug/L	93
55) Styrene	9.78	104	57614	9.890	ug/L	97
56) Isopropylbenzene	10.15	105	88822	9.896	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.44	83	41556	11.282	ug/L	98
59) 1,2,3-Trichloropropane	10.48	75	32128	11.284	ug/L	98
61) Bromoform	9.94	173	19415	11.428	ug/L	97
62) 1,3-Dichlorobenzene	11.40	146	47594	11.038	ug/L	99
63) 1,4-Dichlorobenzene	11.49	146	50470	11.248	ug/L	97
65) 1,2-Dichlorobenzene	11.86	146	47538	10.901	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.64	75	9558	11.688	ug/L	92
67) 1,3,5-Trichlorobenzene	12.87	180	35586	10.277	ug/L	98
68) 1,2,4-trichlorobenzene	13.49	180	27032	9.156	ug/L	94
69) Naphthalene	13.73	128	74692	8.799	ug/L	97
70) 1,2,3-Trichlorobenzene	13.98	180	29874	9.625	ug/L	99

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

