

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU012920\
 Data File : VU036578.D
 Acq On : 28 Jan 2020 17:35
 Operator : JC/MD
 Sample : VSTD05031
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05031

Quant Time: Jan 29 04:16:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM012920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jan 29 04:13:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	281201	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	270073	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	129459	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	99893	53.39	ug/L	0.00
7) Chloroethane-d5	1.93	69	86744	53.56	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.60	63	164811	47.58	ug/L	0.00
21) 2-Butanone-d5	4.68	46	127938	84.69	ug/L	0.00
24) Chloroform-d	5.11	84	172256	48.02	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.75	65	106918	45.34	ug/L	0.00
32) Benzene-d6	5.77	84	370796	52.06	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.73	67	116006	50.44	ug/L	0.00
41) Toluene-d8	7.93	98	356518	52.70	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.21	79	56444	46.41	ug/L	0.00
47) 2-Hexanone-d5	8.67	63	114135	98.49	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.78	84	171775	49.91	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.21	152	133623	52.04	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.40	85	103724	41.601	ug/L 100
3) Chloromethane	1.54	50	114290	49.460	ug/L 100
5) Vinyl chloride	1.62	62	120642	51.679	ug/L 100
6) Bromomethane	1.87	94	70054	49.743	ug/L 100
8) Chloroethane	1.95	64	72638	52.173	ug/L 100
9) Trichlorofluoromethane	2.16	101	140604	45.538	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	88529	52.589	ug/L 100
12) 1,1-Dichloroethene	2.61	96	86235	51.772	ug/L 100
13) Acetone	2.66	43	119861	74.540	ug/L 100
14) Carbon disulfide	2.83	76	257810	48.400	ug/L 100
15) Methyl Acetate	2.99	43	99978	45.545	ug/L 100
16) Methylene chloride	3.08	84	105923	51.603	ug/L 100
17) trans-1,2-Dichloroethene	3.39	96	93826	51.196	ug/L 100
18) Methyl tert-butyl Ether	3.41	73	307415	49.913	ug/L 100
19) 1,1-Dichloroethane	3.92	63	169109	49.699	ug/L 100
20) cis-1,2-Dichloroethene	4.72	96	109219	52.179	ug/L 100
22) 2-Butanone	4.76	43	153065	83.236	ug/L 100
23) Bromochloromethane	5.02	128	55913	54.409	ug/L 100
25) Chloroform	5.14	83	171710	47.508	ug/L 100
27) 1,2-Dichloroethane	5.84	62	131241	46.320	ug/L 100
29) Cyclohexane	5.43	56	148965	46.930	ug/L 100
30) 1,1,1-Trichloroethane	5.36	97	139653	45.023	ug/L 100
31) Carbon tetrachloride	5.57	117	120741	45.567	ug/L 100
33) Benzene	5.82	78	401538	51.748	ug/L 100
34) Trichloroethene	6.58	95	100893	48.802	ug/L 100
35) Methylcyclohexane	6.80	83	168602	52.077	ug/L 100
37) 1,2-Dichloropropane	6.83	63	104326	50.785	ug/L 100
38) Bromodichloromethane	7.14	83	131224	47.370	ug/L 100
39) cis-1,3-Dichloropropene	7.64	75	169256	51.215	ug/L 100
40) 4-Methyl-2-pentanone	7.83	43	268765	84.599	ug/L 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	8.00	91	438632	52.005	ug/L	100
44) trans-1,3-Dichloropropene	8.24	75	147851	48.868	ug/L	100
45) 1,1,2-Trichloroethane	8.43	97	103080	52.118	ug/L	100
46) Tetrachloroethene	8.58	164	83085	57.397	ug/L	100
48) 2-Hexanone	8.72	43	213634	85.056	ug/L	100
49) Dibromochloromethane	8.84	129	111411	51.250	ug/L	100
50) 1,2-Dibromoethane	8.95	107	113850	51.272	ug/L	100
51) Chlorobenzene	9.47	112	282081	52.842	ug/L	100
52) Ethylbenzene	9.60	91	475021	50.713	ug/L	100
53) m,p-Xylene	9.72	106	184786	52.266	ug/L	100
54) o-xylene	10.12	106	186509	52.698	ug/L	100
55) Styrene	10.14	104	309128	53.970	ug/L	100
56) Isopropylbenzene	10.51	105	471095	52.228	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.81	83	180446	52.747	ug/L	100
59) 1,2,3-Trichloropropane	10.85	75	138899	49.409	ug/L	100
61) Bromoform	10.32	173	85398	48.655	ug/L	100
62) 1,3-Dichlorobenzene	11.77	146	216109	52.407	ug/L	100
63) 1,4-Dichlorobenzene	11.86	146	212749	51.692	ug/L	100
65) 1,2-Dichlorobenzene	12.23	146	219531	53.853	ug/L	100
66) 1,2-Dibromo-3-chloropropan	13.02	75	37001	43.229	ug/L	100
67) 1,3,5-Trichlorobenzene	13.24	180	153136	59.536	ug/L	100
68) 1,2,4-trichlorobenzene	13.86	180	116120	61.077	ug/L	100
69) Naphthalene	14.10	128	331985	53.095	ug/L	100
70) 1,2,3-Trichlorobenzene	14.35	180	117722	59.514	ug/L	100

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

