

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU012920\
 Data File : VU036579.D
 Acq On : 28 Jan 2020 17:59
 Operator : JC/MD
 Sample : VSTD10032
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10032

Quant Time: Jan 29 04:17:02 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	278997	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	264091	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	131815	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	221472	119.31	ug/L	0.00
7) Chloroethane-d5	1.93	69	188811	117.49	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.59	63	356141	103.63	ug/L	0.00
21) 2-Butanone-d5	4.68	46	264979	176.79	ug/L	0.00
24) Chloroform-d	5.11	84	361719	101.64	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.74	65	218761	93.51	ug/L	0.00
32) Benzene-d6	5.77	84	781778	112.24	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.73	67	243057	108.09	ug/L	0.00
41) Toluene-d8	7.93	98	753842	113.95	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.21	79	118886	99.96	ug/L	0.00
47) 2-Hexanone-d5	8.67	63	238115	210.12	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.78	84	356933	106.07	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.21	152	287317	109.90	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	218531	88.340	ug/L 99
3) Chloromethane	1.54	50	228090	99.487	ug/L 100
5) Vinyl chloride	1.62	62	248628	107.345	ug/L 99
6) Bromomethane	1.87	94	146488	104.837	ug/L 98
8) Chloroethane	1.95	64	144530	104.631	ug/L 99
9) Trichlorofluoromethane	2.16	101	291206	95.060	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	177818	106.465	ug/L 99
12) 1,1-Dichloroethene	2.61	96	180644	109.308	ug/L 96
13) Acetone	2.66	43	210373	131.862	ug/L 98
14) Carbon disulfide	2.82	76	537866	101.774	ug/L 100
15) Methyl Acetate	2.98	43	190627	87.527	ug/L 100
16) Methylene chloride	3.08	84	205682	100.994	ug/L 99
17) trans-1,2-Dichloroethene	3.39	96	192348	105.782	ug/L 99
18) Methyl tert-butyl Ether	3.41	73	596655	97.641	ug/L 99
19) 1,1-Dichloroethane	3.92	63	337400	99.942	ug/L 99
20) cis-1,2-Dichloroethene	4.72	96	218622	105.272	ug/L 99
22) 2-Butanone	4.75	43	289225	158.522	ug/L 99
23) Bromochloromethane	5.02	128	110410	108.289	ug/L 100
25) Chloroform	5.13	83	341119	95.124	ug/L 98
27) 1,2-Dichloroethane	5.84	62	252135	89.691	ug/L 100
29) Cyclohexane	5.43	56	310482	100.030	ug/L 99
30) 1,1,1-Trichloroethane	5.36	97	285034	93.973	ug/L 99
31) Carbon tetrachloride	5.57	117	246682	95.204	ug/L 99
33) Benzene	5.82	78	800741	105.533	ug/L 100
34) Trichloroethene	6.58	95	206380	102.088	ug/L 98
35) Methylcyclohexane	6.80	83	345001	108.975	ug/L 99
37) 1,2-Dichloropropane	6.83	63	202461	100.788	ug/L 100
38) Bromodichloromethane	7.14	83	258321	95.363	ug/L 100
39) cis-1,3-Dichloropropene	7.64	75	341246	105.596	ug/L 100
40) 4-Methyl-2-pentanone	7.83	43	525972	169.311	ug/L 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	8.00	91	879975	106.694	ug/L	99
44) trans-1,3-Dichloropropene	8.24	75	298058	100.746	ug/L	98
45) 1,1,2-Trichloroethane	8.43	97	201415	104.145	ug/L	99
46) Tetrachloroethene	8.58	164	167376	118.246	ug/L	97
48) 2-Hexanone	8.72	43	411204	167.425	ug/L	97
49) Dibromochloromethane	8.84	129	224043	105.396	ug/L	99
50) 1,2-Dibromoethane	8.95	107	221636	102.073	ug/L	100
51) Chlorobenzene	9.47	112	568864	108.979	ug/L	99
52) Ethylbenzene	9.60	91	965991	105.465	ug/L	100
53) m,p-Xylene	9.72	106	380052	109.932	ug/L	99
54) o-xylene	10.12	106	374101	108.097	ug/L	99
55) Styrene	10.14	104	629154	112.332	ug/L	98
56) Isopropylbenzene	10.51	105	962547	109.131	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.81	83	351886	105.192	ug/L	99
59) 1,2,3-Trichloropropane	10.85	75	271285	98.687	ug/L	99
61) Bromoform	10.32	173	172992	96.799	ug/L	99
62) 1,3-Dichlorobenzene	11.77	146	446239	106.280	ug/L	100
63) 1,4-Dichlorobenzene	11.86	146	444752	106.131	ug/L	100
65) 1,2-Dichlorobenzene	12.23	146	444527	107.097	ug/L	100
66) 1,2-Dibromo-3-chloropropan	13.02	75	75838	87.020	ug/L	98
67) 1,3,5-Trichlorobenzene	13.24	180	326463	124.653	ug/L	99
68) 1,2,4-trichlorobenzene	13.86	180	262635	135.673	ug/L	99
69) Naphthalene	14.10	128	821166	128.983	ug/L	100
70) 1,2,3-Trichlorobenzene	14.35	180	265093	131.621	ug/L	100

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

