

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU020620\
 Data File : VU036683.D
 Acq On : 06 Feb 2020 13:04
 Operator : JC/MD
 Sample : VSTD20035
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD200105

Quant Time: Feb 07 04:33:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMULM020620W.M
 Quant Title : VOC Analysis
 QLast Update : Fri Feb 07 04:29:27 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	258658	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	250559	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.83	152	121765	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	360955	155.77	ug/L	0.00
7) Chloroethane-d5	1.91	69	326490	149.19	ug/L	-0.02
11) 1,1-Dichloroethene-d2	2.59	63	682116	175.95	ug/L	0.00
21) 2-Butanone-d5	4.68	46	654284	483.92	ug/L	0.00
24) Chloroform-d	5.11	84	667653	180.88	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.74	65	440459	189.25	ug/L	0.00
32) Benzene-d6	5.77	84	1348085	191.21	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.73	67	450758	195.84	ug/L	0.00
41) Toluene-d8	7.93	98	1261524	193.08	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.21	79	228863	208.97	ug/L	0.00
47) 2-Hexanone-d5	8.67	63	560694	566.06	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	10.78	84	710275	214.81	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.21	152	457122	189.36	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.39	85	359754	148.318	ug/L	99
3) Chloromethane	1.54	50	436414	169.276	ug/L	99
5) Vinyl chloride	1.62	62	461717	165.905	ug/L	99
6) Bromomethane	1.85	94	294700	152.605	ug/L	98
8) Chloroethane	1.93	64	285973	142.506	ug/L	99
9) Trichlorofluoromethane	2.15	101	548348	154.791	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	322579	181.324	ug/L	99
12) 1,1-Dichloroethene	2.60	96	323136	183.043	ug/L	98
13) Acetone	2.66	43	550960	420.678	ug/L	99
14) Carbon disulfide	2.82	76	974842	176.807	ug/L	100
15) Methyl Acetate	2.98	43	458386	213.669	ug/L	100
16) Methylene chloride	3.08	84	385509	190.089	ug/L	99
17) trans-1,2-Dichloroethene	3.39	96	344319	187.605	ug/L	99
18) Methyl tert-butyl Ether	3.41	73	1185616	211.063	ug/L	100
19) 1,1-Dichloroethane	3.92	63	682688	192.085	ug/L	99
20) cis-1,2-Dichloroethene	4.71	96	397806	195.622	ug/L	97
22) 2-Butanone	4.76	43	732917	463.532	ug/L	100
23) Bromochloromethane	5.02	128	182428	177.404	ug/L	98
25) Chloroform	5.13	83	656287	178.725	ug/L	99
27) 1,2-Dichloroethane	5.84	62	548836	191.174	ug/L	99
29) Cyclohexane	5.43	56	632921	223.556	ug/L	99
30) 1,1,1-Trichloroethane	5.36	97	533225	176.803	ug/L	100
31) Carbon tetrachloride	5.56	117	433657	164.519	ug/L	99
33) Benzene	5.82	78	1496430	195.611	ug/L	100
34) Trichloroethene	6.58	95	375469	186.903	ug/L	98
35) Methylcyclohexane	6.80	83	648708	216.223	ug/L	99
37) 1,2-Dichloropropane	6.83	63	407646	195.346	ug/L	99
38) Bromodichloromethane	7.14	83	512238	191.964	ug/L	99
39) cis-1,3-Dichloropropene	7.64	75	683603	219.805	ug/L	99
40) 4-Methyl-2-pentanone	7.83	43	1352727	494.716	ug/L	100

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42) Toluene	8.00	91	1638163	202.920	ug/L	99
44) trans-1,3-Dichloropropene	8.24	75	607988	215.421	ug/L	98
45) 1,1,2-Trichloroethane	8.43	97	371036	189.022	ug/L	98
46) Tetrachloroethene	8.58	164	253260	165.183	ug/L	98
48) 2-Hexanone	8.72	43	1116603	530.285	ug/L	100
49) Dibromochloromethane	8.84	129	386365	180.730	ug/L	99
50) 1,2-Dibromoethane	8.96	107	404743	197.675	ug/L	99
51) Chlorobenzene	9.47	112	993870	191.038	ug/L	99
52) Ethylbenzene	9.60	91	1837097	214.520	ug/L	100
53) m,p-Xylene	9.72	106	681263	214.224	ug/L	100
54) o-xylene	10.13	106	676927	216.173	ug/L	99
55) Styrene	10.14	104	1196365	226.236	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.81	83	709875	213.057	ug/L	100
59) Bromoform	10.32	173	287268	187.995	ug/L	100
60) 1,2,3-Trichloropropane	10.85	75	562695	220.878	ug/L	99
61) Isopropylbenzene	10.51	105	1778932	227.520	ug/L	100
62) 1,3,5-Trimethylbenzene	11.11	105	1569861	245.899	ug/L	100
63) 1,2,4-Trimethylbenzene	11.49	105	1572893	248.780	ug/L	100
64) 1,3-Dichlorobenzene	11.77	146	771850	204.116	ug/L	99
65) 1,4-Dichlorobenzene	11.86	146	777288	201.090	ug/L	100
67) 1,2-Dichlorobenzene	12.23	146	770629	200.363	ug/L	99
68) 1,2-Dibromo-3-chloropropan	13.01	75	173848	242.502	ug/L	96
69) 1,3,5-Trichlorobenzene	13.24	180	546833	194.545	ug/L	100
70) 1,2,4-trichlorobenzene	13.85	180	490098	211.199	ug/L	99
71) Naphthalene	14.10	128	1880118	262.847	ug/L	100
72) 1,2,3-Trichlorobenzene	14.34	180	477715	199.250	ug/L	98

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

