

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU011420\
 Data File : VU036453.D
 Acq On : 14 Jan 2020 19:04
 Operator : JC/MD
 Sample : VSTD20001
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD20001

Quant Time: Jan 15 00:05:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM011420WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jan 15 00:01:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	520790	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	502977	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	244840	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	629037	160.06	ug/L	0.00
7) Chloroethane-d5	1.91	69	551808	165.43	ug/L	-0.02
11) 1,1-Dichloroethene-d2	2.59	63	1216797	176.52	ug/L	0.00
21) 2-Butanone-d5	4.68	46	1144139	379.76	ug/L	0.00
24) Chloroform-d	5.11	84	1321263	187.24	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.74	65	857447	182.71	ug/L	0.00
32) Benzene-d6	5.77	84	2512381	180.25	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.73	67	832411	178.50	ug/L	0.00
41) Toluene-d8	7.93	98	2414062	180.98	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.21	79	465475	184.38	ug/L	0.00
47) 2-Hexanone-d5	8.67	63	933949	385.70	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.78	84	1325371	187.72	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.21	152	919684	178.81	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.39	85	874603	201.330	ug/L	99
3) Chloromethane	1.53	50	841432	213.356	ug/L	99
5) Vinyl chloride	1.62	62	840893	188.881	ug/L	99
6) Bromomethane	1.85	94	534655	237.933	ug/L	97
8) Chloroethane	1.94	64	493199	185.939	ug/L	100
9) Trichlorofluoromethane	2.15	101	1111554	179.140	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	558456	179.398	ug/L	98
12) 1,1-Dichloroethene	2.60	96	583580	190.109	ug/L	92
13) Acetone	2.66	43	1147320	361.470	ug/L	99
14) Carbon disulfide	2.82	76	1906721	199.556	ug/L	100
15) Methyl Acetate	2.98	43	839665	196.214	ug/L	99
16) Methylene chloride	3.08	84	726497	193.736	ug/L	96
17) trans-1,2-Dichloroethene	3.39	96	649813	197.314	ug/L	98
18) Methyl tert-butyl Ether	3.41	73	2248808	188.288	ug/L	99
19) 1,1-Dichloroethane	3.91	63	1244952	188.598	ug/L	99
20) cis-1,2-Dichloroethene	4.71	96	765845	192.009	ug/L	99
22) 2-Butanone	4.75	43	1423834	382.757	ug/L	99
23) Bromochloromethane	5.02	128	377079	198.222	ug/L	99
25) Chloroform	5.13	83	1320961	188.407	ug/L	100
27) 1,2-Dichloroethane	5.83	62	1039869	190.467	ug/L	99
29) Cyclohexane	5.43	56	1092335	184.223	ug/L	99
30) 1,1,1-Trichloroethane	5.36	97	1158229	186.242	ug/L	99
31) Carbon tetrachloride	5.56	117	998497	184.794	ug/L	97
33) Benzene	5.82	78	2792989	186.987	ug/L	100
34) Trichloroethene	6.58	95	764201	197.043	ug/L	98
35) Methylcyclohexane	6.80	83	1110475	180.485	ug/L	100
37) 1,2-Dichloropropane	6.83	63	741850	184.756	ug/L	100
38) Bromodichloromethane	7.14	83	1062323	187.761	ug/L	99
39) cis-1,3-Dichloropropene	7.64	75	1276784	188.771	ug/L	100
40) 4-Methyl-2-pentanone	7.83	43	2522362	372.267	ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	8.00	91	3051794	185.555	ug/L	98
44) trans-1,3-Dichloropropene	8.24	75	1173636	187.096	ug/L	99
45) 1,1,2-Trichloroethane	8.43	97	731278	194.862	ug/L	98
46) Tetrachloroethene	8.58	164	499937	180.710	ug/L	96
48) 2-Hexanone	8.72	43	2049841	393.646	ug/L	99
49) Dibromochloromethane	8.84	129	867829	190.110	ug/L	100
50) 1,2-Dibromoethane	8.95	107	841985	192.979	ug/L	99
51) Chlorobenzene	9.47	112	1983342	191.677	ug/L	100
52) Ethylbenzene	9.60	91	3469942	186.167	ug/L	98
53) m,p-Xylene	9.72	106	1303063	188.598	ug/L	99
54) o-xylene	10.13	106	1280353	184.342	ug/L	98
55) Styrene	10.14	104	2242902	191.919	ug/L	100
56) Isopropylbenzene	10.51	105	3340124	184.814	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.81	83	1321496	186.842	ug/L	100
59) 1,2,3-Trichloropropane	10.85	75	1066244	188.774	ug/L	99
61) Bromoform	10.32	173	660201	181.716	ug/L	98
62) 1,3-Dichlorobenzene	11.77	146	1481297	185.504	ug/L	99
63) 1,4-Dichlorobenzene	11.86	146	1498006	188.315	ug/L	99
65) 1,2-Dichlorobenzene	12.23	146	1451817	181.616	ug/L	100
66) 1,2-Dibromo-3-chloropropan	13.02	75	337700	182.756	ug/L	98
67) 1,3,5-Trichlorobenzene	13.24	180	936227	179.677	ug/L	100
68) 1,2,4-trichlorobenzene	13.86	180	791392	201.178	ug/L	98
69) Naphthalene	14.10	128	2891643	217.096	ug/L	99
70) 1,2,3-Trichlorobenzene	14.35	180	785647	191.990	ug/L	98

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

