

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU031220\
 Data File : VU037188.D
 Acq On : 12 Mar 2020 14:11
 Operator : JC/MD
 Sample : VSTD20031
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD20031

Quant Time: Mar 13 06:56:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031220WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Mar 13 06:53:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	449637	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	454756	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	245100	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	707436	203.29	ug/L	0.00
7) Chloroethane-d5	1.92	69	559528	199.44	ug/L	-0.01
11) 1,1-Dichloroethene-d2	2.59	63	1292247	202.40	ug/L	0.00
21) 2-Butanone-d5	4.67	46	1195674	434.17	ug/L	0.00
24) Chloroform-d	5.10	84	1362609	203.66	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.74	65	972060	198.49	ug/L	0.00
32) Benzene-d6	5.76	84	2442285	195.10	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.72	67	807339	197.02	ug/L	0.00
41) Toluene-d8	7.92	98	2424304	202.58	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.20	79	471389	211.34	ug/L	0.00
47) 2-Hexanone-d5	8.66	63	961170	453.04	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.77	84	1308243	206.11	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.21	152	986709	194.08	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.39	85	889987	193.688	ug/L	99
3) Chloromethane	1.54	50	740559	197.063	ug/L	99
5) Vinyl chloride	1.62	62	820581	199.255	ug/L	100
6) Bromomethane	1.85	94	393497	248.920	ug/L	96
8) Chloroethane	1.94	64	462481	191.688	ug/L	100
9) Trichlorofluoromethane	2.15	101	1200665	190.949	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	565670	192.624	ug/L	99
12) 1,1-Dichloroethene	2.60	96	514495	193.889	ug/L	98
13) Acetone	2.65	43	1023472	391.706	ug/L	99
14) Carbon disulfide	2.82	76	1460230	194.096	ug/L	100
15) Methyl Acetate	2.98	43	829092	201.745	ug/L	99
16) Methylene chloride	3.08	84	620962	187.482	ug/L	99
17) trans-1,2-Dichloroethene	3.38	96	553382	199.049	ug/L	96
18) Methyl tert-butyl Ether	3.40	73	2184016	203.426	ug/L	99
19) 1,1-Dichloroethane	3.91	63	1208159	194.212	ug/L	99
20) cis-1,2-Dichloroethene	4.71	96	660750	196.492	ug/L	97
22) 2-Butanone	4.75	43	1382637	418.387	ug/L	100
23) Bromochloromethane	5.02	128	322576	190.223	ug/L	97
25) Chloroform	5.13	83	1277056	189.844	ug/L	99
27) 1,2-Dichloroethane	5.83	62	1154065	192.546	ug/L	99
29) Cyclohexane	5.42	56	1074043	199.780	ug/L	100
30) 1,1,1-Trichloroethane	5.35	97	1148180	190.217	ug/L	100
31) Carbon tetrachloride	5.56	117	1029582	193.048	ug/L	100
33) Benzene	5.81	78	2555231	190.631	ug/L	100
34) Trichloroethene	6.57	95	677147	194.409	ug/L	99
35) Methylcyclohexane	6.79	83	1060459	201.098	ug/L	99
37) 1,2-Dichloropropane	6.82	63	723643	189.928	ug/L	99
38) Bromodichloromethane	7.13	83	1019647	191.421	ug/L	100
39) cis-1,3-Dichloropropene	7.64	75	1227869	207.841	ug/L	98
40) 4-Methyl-2-pentanone	7.82	43	2605553	420.088	ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	8.00	91	2859457	195.352	ug/L	98
44) trans-1,3-Dichloropropene	8.23	75	1161564	208.243	ug/L	99
45) 1,1,2-Trichloroethane	8.43	97	666485	192.113	ug/L	99
46) Tetrachloroethene	8.57	164	503179	194.451	ug/L	99
48) 2-Hexanone	8.71	43	2164325	442.805	ug/L	99
49) Dibromochloromethane	8.83	129	826593	202.524	ug/L	98
50) 1,2-Dibromoethane	8.95	107	742591	198.348	ug/L	99
51) Chlorobenzene	9.47	112	1820456	197.759	ug/L	98
52) Ethylbenzene	9.59	91	3431697	202.473	ug/L	100
53) m,p-Xylene	9.71	106	1234119	205.865	ug/L	100
54) o-xylene	10.12	106	1219116	205.838	ug/L	96
55) Styrene	10.13	104	2138164	212.880	ug/L	98
56) Isopropylbenzene	10.50	105	3430157	208.366	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.80	83	1284898	202.904	ug/L	99
59) 1,2,3-Trichloropropane	10.84	75	1068356	201.714	ug/L	99
61) Bromoform	10.31	173	663382	193.783	ug/L	99
62) 1,3-Dichlorobenzene	11.76	146	1529578	196.891	ug/L	98
63) 1,4-Dichlorobenzene	11.85	146	1529201	194.760	ug/L	99
65) 1,2-Dichlorobenzene	12.23	146	1508160	190.074	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	357807	204.540	ug/L	96
67) 1,3,5-Trichlorobenzene	13.24	180	1149396	203.017	ug/L	100
68) 1,2,4-trichlorobenzene	13.87	180	1021034	230.955	ug/L	99
69) Naphthalene	14.11	128	1692616	252.456	ug/L	99
70) 1,2,3-Trichlorobenzene	14.36	180	1018282	219.489	ug/L	99

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

