

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU031220\
 Data File : VU037187.D
 Acq On : 12 Mar 2020 13:48
 Operator : JC/MD
 Sample : VSTD10036
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10036

Quant Time: Mar 13 06:56:26 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	428855	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	426241	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	223625	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	345705	104.16	ug/L	0.00
7) Chloroethane-d5	1.93	69	276121	103.19	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.59	63	623524	102.39	ug/L	0.00
21) 2-Butanone-d5	4.66	46	560903	213.54	ug/L	0.00
24) Chloroform-d	5.10	84	671674	105.25	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.74	65	478790	102.50	ug/L	0.00
32) Benzene-d6	5.76	84	1196319	101.96	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.72	67	391150	101.84	ug/L	0.00
41) Toluene-d8	7.93	98	1176038	104.85	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.20	79	226467	108.32	ug/L	0.00
47) 2-Hexanone-d5	8.66	63	432967	217.73	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.77	84	611047	102.71	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.21	152	468353	100.97	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	434989	99.254	ug/L 98
3) Chloromethane	1.54	50	361474	100.850	ug/L 99
5) Vinyl chloride	1.62	62	398173	101.370	ug/L 98
6) Bromomethane	1.86	94	171125	113.497	ug/L 99
8) Chloroethane	1.95	64	226692	98.512	ug/L 99
9) Trichlorofluoromethane	2.16	101	594187	99.077	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	279322	99.725	ug/L 99
12) 1,1-Dichloroethene	2.60	96	252219	99.656	ug/L 94
13) Acetone	2.65	43	512024	205.459	ug/L 99
14) Carbon disulfide	2.82	76	708428	98.729	ug/L 99
15) Methyl Acetate	2.98	43	398544	101.678	ug/L 99
16) Methylene chloride	3.08	84	306952	97.167	ug/L 97
17) trans-1,2-Dichloroethene	3.39	96	266363	100.452	ug/L 97
18) Methyl tert-butyl Ether	3.40	73	1051607	102.696	ug/L 99
19) 1,1-Dichloroethane	3.91	63	590523	99.527	ug/L 98
20) cis-1,2-Dichloroethene	4.71	96	323403	100.833	ug/L 99
22) 2-Butanone	4.75	43	663326	210.450	ug/L 100
23) Bromochloromethane	5.02	128	161737	99.998	ug/L 98
25) Chloroform	5.13	83	626181	97.597	ug/L 99
27) 1,2-Dichloroethane	5.83	62	573618	100.341	ug/L 100
29) Cyclohexane	5.42	56	516386	102.477	ug/L 100
30) 1,1,1-Trichloroethane	5.36	97	562048	99.343	ug/L 100
31) Carbon tetrachloride	5.56	117	503319	100.686	ug/L 100
33) Benzene	5.81	78	1254744	99.871	ug/L 100
34) Trichloroethene	6.57	95	328380	100.585	ug/L 99
35) Methylcyclohexane	6.79	83	509882	103.159	ug/L 100
37) 1,2-Dichloropropane	6.82	63	350039	98.018	ug/L 100
38) Bromodichloromethane	7.13	83	494427	99.029	ug/L 99
39) cis-1,3-Dichloropropene	7.64	75	567099	102.415	ug/L 99
40) 4-Methyl-2-pentanone	7.82	43	1213934	208.814	ug/L 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	8.00	91	1398527	101.936	ug/L	99
44) trans-1,3-Dichloropropene	8.23	75	552069	105.595	ug/L	99
45) 1,1,2-Trichloroethane	8.42	97	320665	98.615	ug/L	99
46) Tetrachloroethene	8.57	164	244906	100.974	ug/L	99
48) 2-Hexanone	8.71	43	994872	217.160	ug/L	100
49) Dibromochloromethane	8.84	129	390710	102.132	ug/L	98
50) 1,2-Dibromoethane	8.95	107	355531	101.316	ug/L	99
51) Chlorobenzene	9.47	112	872316	101.100	ug/L	98
52) Ethylbenzene	9.59	91	1642114	103.368	ug/L	99
53) m,p-Xylene	9.71	106	582189	103.613	ug/L	98
54) o-xylene	10.12	106	579635	104.414	ug/L	95
55) Styrene	10.13	104	1007624	107.032	ug/L	96
56) Isopropylbenzene	10.50	105	1610402	104.369	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.80	83	603738	101.717	ug/L	99
59) 1,2,3-Trichloropropane	10.84	75	501355	100.993	ug/L	99
61) Bromoform	10.31	173	311227	99.644	ug/L	99
62) 1,3-Dichlorobenzene	11.76	146	708273	99.926	ug/L	99
63) 1,4-Dichlorobenzene	11.85	146	709536	99.045	ug/L	99
65) 1,2-Dichlorobenzene	12.23	146	710963	98.207	ug/L	97
66) 1,2-Dibromo-3-chloropropan	13.02	75	160934	100.832	ug/L	95
67) 1,3,5-Trichlorobenzene	13.24	180	527151	102.052	ug/L	99
68) 1,2,4-trichlorobenzene	13.87	180	450428	111.670	ug/L	99
69) Naphthalene	14.11	128	740323	121.024	ug/L	99
70) 1,2,3-Trichlorobenzene	14.36	180	467811	110.519	ug/L	98

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

