

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU013120\
 Data File : VU036652.D
 Acq On : 31 Jan 2020 19:15
 Operator : JC/MD
 Sample : VSTD10033
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10033

Quant Time: Jan 31 23:48:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM013120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jan 31 23:45:14 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	285978	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	271827	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	125503	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	271340	119.20	ug/L	0.00
7) Chloroethane-d5	1.91	69	210869	110.39	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.59	63	417054	114.72	ug/L	0.00
21) 2-Butanone-d5	4.67	46	317780	242.40	ug/L	0.00
24) Chloroform-d	5.11	84	397556	110.28	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.74	65	257946	114.13	ug/L	0.00
32) Benzene-d6	5.77	84	837724	106.75	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.73	67	276662	111.89	ug/L	0.00
41) Toluene-d8	7.93	98	773174	103.22	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.21	79	136133	115.67	ug/L	0.00
47) 2-Hexanone-d5	8.67	63	311086	263.22	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.78	84	391362	108.87	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.21	152	265116	97.73	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	226731	101.203 ug/L	99
3) Chloromethane	1.53	50	265621	109.446 ug/L	100
5) Vinyl chloride	1.62	62	285588	110.845 ug/L	97
6) Bromomethane	1.85	94	130681	87.891 ug/L	97
8) Chloroethane	1.93	64	162887	106.155 ug/L	100
9) Trichlorofluoromethane	2.15	101	311723	104.311 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	180405	98.683 ug/L	98
12) 1,1-Dichloroethene	2.60	96	182525	100.850 ug/L	93
13) Acetone	2.66	43	238184	189.152 ug/L	99
14) Carbon disulfide	2.82	76	552542	101.120 ug/L	100
15) Methyl Acetate	2.98	43	242476	119.421 ug/L	100
16) Methylene chloride	3.08	84	219545	100.168 ug/L	98
17) trans-1,2-Dichloroethene	3.39	96	193449	100.176 ug/L	99
18) Methyl tert-butyl Ether	3.41	73	685062	108.579 ug/L	99
19) 1,1-Dichloroethane	3.91	63	385248	109.241 ug/L	100
20) cis-1,2-Dichloroethene	4.71	96	223529	101.772 ug/L	97
22) 2-Butanone	4.75	43	359333	232.138 ug/L	98
23) Bromochloromethane	5.02	128	103122	92.410 ug/L	98
25) Chloroform	5.13	83	371092	103.867 ug/L	98
27) 1,2-Dichloroethane	5.84	62	298942	109.996 ug/L	99
29) Cyclohexane	5.43	56	367084	111.337 ug/L	99
30) 1,1,1-Trichloroethane	5.36	97	304750	103.751 ug/L	99
31) Carbon tetrachloride	5.57	117	247757	99.443 ug/L	99
33) Benzene	5.81	78	862239	103.113 ug/L	100
34) Trichloroethene	6.58	95	210997	98.997 ug/L	99
35) Methylcyclohexane	6.80	83	364174	101.556 ug/L	99
37) 1,2-Dichloropropane	6.83	63	231933	108.077 ug/L	99
38) Bromodichloromethane	7.14	83	283781	106.301 ug/L	99
39) cis-1,3-Dichloropropene	7.64	75	381477	110.870 ug/L	99
40) 4-Methyl-2-pentanone	7.83	43	698051	244.909 ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	8.00	91	927585	102.589	ug/L	100
44) trans-1,3-Dichloropropene	8.24	75	332572	110.211	ug/L	99
45) 1,1,2-Trichloroethane	8.43	97	210514	100.171	ug/L	99
46) Tetrachloroethene	8.58	164	146422	87.030	ug/L	100
48) 2-Hexanone	8.72	43	546367	255.114	ug/L	99
49) Dibromochloromethane	8.84	129	211020	96.221	ug/L	95
50) 1,2-Dibromoethane	8.95	107	222192	98.796	ug/L	97
51) Chlorobenzene	9.47	112	550269	95.082	ug/L	100
52) Ethylbenzene	9.60	91	1022285	102.974	ug/L	100
53) m,p-Xylene	9.72	106	376484	98.354	ug/L	100
54) o-xylene	10.12	106	377926	98.983	ug/L	100
55) Styrene	10.14	104	655417	105.077	ug/L	100
56) Isopropylbenzene	10.51	105	983944	101.008	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.81	83	382605	104.760	ug/L	98
59) 1,2,3-Trichloropropane	10.85	75	302461	105.010	ug/L	99
61) Bromoform	10.32	173	157638	94.622	ug/L	100
62) 1,3-Dichlorobenzene	11.77	146	417780	97.298	ug/L	99
63) 1,4-Dichlorobenzene	11.86	146	410882	97.082	ug/L	100
65) 1,2-Dichlorobenzene	12.23	146	414135	95.197	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.01	75	86450	119.334	ug/L	99
67) 1,3,5-Trichlorobenzene	13.23	180	288937	98.653	ug/L	99
68) 1,2,4-trichlorobenzene	13.85	180	252848	118.442	ug/L	99
69) Naphthalene	14.10	128	943829	142.168	ug/L	100
70) 1,2,3-Trichlorobenzene	14.34	180	251679	114.133	ug/L	99

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

