

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U100119\
 Data File : VU034887.D
 Acq On : 30 Sep 2019 18:52
 Operator : JC/SP
 Sample : VSTD20036
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD20036

Quant Time: Oct 01 02:41:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM100119WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Oct 01 02:35:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	342338	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	346835	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	170216	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	479628	145.53	ug/L	0.00
7) Chloroethane-d5	1.66	69	395624	153.97	ug/L	-0.02
11) 1,1-Dichloroethene-d2	2.25	63	840829	149.31	ug/L	0.00
21) 2-Butanone-d5	4.14	46	1042083	399.97	ug/L	0.00
24) Chloroform-d	4.62	84	968551	193.48	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.28	65	678540	183.94	ug/L	0.00
32) Benzene-d6	5.32	84	1844732	175.24	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.31	67	638548	175.16	ug/L	0.00
41) Toluene-d8	7.54	98	1777110	178.57	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.83	79	322441	186.51	ug/L	0.00
47) 2-Hexanone-d5	8.29	63	738541	405.28	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.41	84	973050	189.91	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.84	152	669641	188.58	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	391636	120.432	ug/L	99
3) Chloromethane	1.32	50	330396	87.708	ug/L	99
5) Vinyl chloride	1.40	62	342991	99.236	ug/L	99
6) Bromomethane	1.60	94	177378	94.565	ug/L	100
8) Chloroethane	1.68	64	214284	106.890	ug/L	100
9) Trichlorofluoromethane	1.87	101	509248	114.060	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	312967	141.621	ug/L	98
12) 1,1-Dichloroethene	2.26	96	256007	124.316	ug/L	95
13) Acetone	2.31	43	707422	242.338	ug/L	98
14) Carbon disulfide	2.46	76	429147	65.994	ug/L	99
15) Methyl Acetate	2.60	43	609614	153.715	ug/L	100
16) Methylene chloride	2.68	84	364507	136.593	ug/L	98
17) trans-1,2-Dichloroethene	2.96	96	269182	119.980	ug/L	96
18) Methyl tert-butyl Ether	2.98	73	1479508	168.426	ug/L	100
19) 1,1-Dichloroethane	3.42	63	773869	145.600	ug/L	100
20) cis-1,2-Dichloroethene	4.20	96	398413	147.046	ug/L	99
22) 2-Butanone	4.23	43	1053683	301.459	ug/L	100
23) Bromochloromethane	4.52	128	185890	143.928	ug/L	98
25) Chloroform	4.65	83	821796	154.519	ug/L	100
27) 1,2-Dichloroethane	5.38	62	663658	147.162	ug/L	99
29) Cyclohexane	4.97	56	496485	96.914	ug/L	99
30) 1,1,1-Trichloroethane	4.89	97	646187	143.760	ug/L	99
31) Carbon tetrachloride	5.11	117	511533	135.900	ug/L	97
33) Benzene	5.36	78	1443670	128.881	ug/L	100
34) Trichloroethene	6.16	95	364282	131.232	ug/L	98
35) Methylcyclohexane	6.39	83	468193	102.904	ug/L	100
37) 1,2-Dichloropropane	6.41	63	487600	144.052	ug/L	100
38) Bromodichloromethane	6.73	83	658540	158.703	ug/L	99
39) cis-1,3-Dichloropropene	7.24	75	726456	142.562	ug/L	99
40) 4-Methyl-2-pentanone	7.44	43	2166690	331.029	ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.61	91	1598988	132.326	ug/L	99
44) trans-1,3-Dichloropropene	7.86	75	714911	157.051	ug/L	96
45) 1,1,2-Trichloroethane	8.04	97	468163	168.000	ug/L	98
46) Tetrachloroethene	8.21	164	239637	124.097	ug/L	98
48) 2-Hexanone	8.34	43	1700032	335.155	ug/L	100
49) Dibromochloromethane	8.45	129	529816	171.866	ug/L	98
50) 1,2-Dibromoethane	8.56	107	452987	154.578	ug/L	98
51) Chlorobenzene	9.10	112	1074653	143.897	ug/L	97
52) Ethylbenzene	9.23	91	1935466	141.073	ug/L	100
53) m,p-Xylene	9.35	106	674076	139.511	ug/L	99
54) o-xylene	9.76	106	717602	148.610	ug/L	97
55) Styrene	9.77	104	1318270	160.416	ug/L	100
56) Isopropylbenzene	10.14	105	2015809	153.768	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.43	83	973982	180.815	ug/L	99
59) 1,2,3-Trichloropropane	10.47	75	766809	175.764	ug/L	99
61) Bromoform	9.94	173	413839	182.002	ug/L	97
62) 1,3-Dichlorobenzene	11.39	146	916379	160.684	ug/L	100
63) 1,4-Dichlorobenzene	11.48	146	920907	158.790	ug/L	98
65) 1,2-Dichlorobenzene	11.86	146	963182	165.338	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.63	75	237665	191.880	ug/L	98
67) 1,3,5-Trichlorobenzene	12.86	180	671581	173.313	ug/L	99
68) 1,2,4-trichlorobenzene	13.48	180	623779	205.949	ug/L	97
69) Naphthalene	13.72	128	2278565	218.095	ug/L	100
70) 1,2,3-Trichlorobenzene	13.96	180	631179	200.104	ug/L	98

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

