

Data File : VU036355.D
Acq On : 27 Dec 2019 15:13
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VICV31

Quant Time: Dec 28 00:10:28 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122719WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Dec 28 00:08:06 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	552924	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	525456	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	251636	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	201243	46.71	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	93.42%		
7) Chloroethane-d5	1.93	69	169920	46.75	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	93.50%		
11) 1,1-Dichloroethene-d2	2.59	63	340944	46.45	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	92.90%		
21) 2-Butanone-d5	4.68	46	301746	94.05	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	94.05%		
24) Chloroform-d	5.11	84	356692	47.43	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	94.86%		
26) 1,2-Dichloroethane-d4	5.75	65	230758	46.28	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	92.56%		
32) Benzene-d6	5.77	84	698828	47.77	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	95.54%		
36) 1,2-Dichloropropane-d6	6.73	67	229920	46.86	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	93.72%		
41) Toluene-d8	7.93	98	668735	47.62	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	95.24%		
43) trans-1,3-Dichloropropene-	8.21	79	124799	46.88	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	93.76%		
47) 2-Hexanone-d5	8.67	63	232369	91.83	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	91.83%		
57) 1,1,2,2-Tetrachloroethane-	10.78	84	350823	47.15	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	94.30%		
64) 1,2-Dichlorobenzene-d4	12.21	152	248675	47.11	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	94.22%		

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	203268	46.028 ug/L	99
3) Chloromethane	1.54	50	202256	50.335 ug/L	97
5) Vinyl chloride	1.62	62	219571	47.080 ug/L	100
6) Bromomethane	1.87	94	122952	54.552 ug/L	98
8) Chloroethane	1.95	64	130252	46.418 ug/L	99
9) Trichlorofluoromethane	2.16	101	300692	45.860 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	152100	46.860 ug/L	98
12) 1,1-Dichloroethene	2.60	96	154973	48.435 ug/L	87
13) Acetone	2.66	43	293369	88.158 ug/L	99
14) Carbon disulfide	2.82	76	472353	47.706 ug/L	99
15) Methyl Acetate	2.99	43	215398	48.135 ug/L	99
16) Methylene chloride	3.08	84	186966	47.736 ug/L	96
17) trans-1,2-Dichloroethene	3.39	96	167763	48.567 ug/L	96
18) Methyl tert-butyl Ether	3.41	73	607216	48.390 ug/L	99
19) 1,1-Dichloroethane	3.92	63	326631	47.174 ug/L	95
20) cis-1,2-Dichloroethene	4.71	96	198327	47.467 ug/L	# 95
22) 2-Butanone	4.76	43	363623	92.496 ug/L	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	96079	47.903	ug/L	96
25) Chloroform	5.13	83	351136	47.596	ug/L	96
27) 1,2-Dichloroethane	5.84	62	275642	48.334	ug/L	98
29) Cyclohexane	5.43	56	272385	44.739	ug/L	98
30) 1,1,1-Trichloroethane	5.36	97	300082	46.595	ug/L	98
31) Carbon tetrachloride	5.57	117	260511	46.665	ug/L	98
33) Benzene	5.82	78	739640	47.918	ug/L	100
34) Trichloroethene	6.58	95	193170	48.543	ug/L	97
35) Methylcyclohexane	6.80	83	288172	45.369	ug/L	100
37) 1,2-Dichloropropane	6.83	63	195557	46.787	ug/L	100
38) Bromodichloromethane	7.14	83	282458	47.902	ug/L	98
39) cis-1,3-Dichloropropene	7.64	75	338009	48.306	ug/L	99
40) 4-Methyl-2-pentanone	7.83	43	658436	92.703	ug/L	100
42) Toluene	8.00	91	806976	47.477	ug/L	99
44) trans-1,3-Dichloropropene	8.24	75	311743	47.824	ug/L	100
45) 1,1,2-Trichloroethane	8.43	97	193277	49.565	ug/L	98
46) Tetrachloroethene	8.58	164	136141	47.549	ug/L	97
48) 2-Hexanone	8.72	43	530761	97.118	ug/L	99
49) Dibromochloromethane	8.84	129	227530	47.536	ug/L	99
50) 1,2-Dibromoethane	8.95	107	220856	48.836	ug/L	95
51) Chlorobenzene	9.47	112	507924	47.345	ug/L	99
52) Ethylbenzene	9.60	91	898833	46.463	ug/L	100
53) m,p-Xylene	9.72	106	336925	46.951	ug/L	98
54) o-xylene	10.13	106	335646	46.616	ug/L	99
55) Styrene	10.14	104	586380	48.165	ug/L	100
56) Isopropylbenzene	10.51	105	861162	45.887	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.81	83	336751	45.687	ug/L	98
59) 1,2,3-Trichloropropane	10.85	75	273539	46.644	ug/L	100
61) Bromoform	10.32	173	178714	47.792	ug/L	100
62) 1,3-Dichlorobenzene	11.77	146	387841	47.695	ug/L	97
63) 1,4-Dichlorobenzene	11.86	146	388932	48.217	ug/L	97
65) 1,2-Dichlorobenzene	12.23	146	387327	47.540	ug/L	96
66) 1,2-Dibromo-3-chloropropan	13.02	75	88904	46.763	ug/L	97
67) 1,3,5-Trichlorobenzene	13.24	180	262910	48.689	ug/L	98
68) 1,2,4-trichlorobenzene	13.86	180	212314	51.881	ug/L	98
69) Naphthalene	14.10	128	737232	52.427	ug/L	99
70) 1,2,3-Trichlorobenzene	14.35	180	223109	51.913	ug/L	99

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

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