

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU031519\
 Data File : VU030076.D
 Acq On : 14 Mar 2019 16:04
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05036

Quant Time: Mar 15 01:27:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031319WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Mar 15 01:21:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	467131	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	457846	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	241841	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	131004	42.40	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.80%
7) Chloroethane-d5	1.68	69	114570	45.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.86%
11) 1,1-Dichloroethene-d2	2.27	63	257753	46.22	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.44%
21) 2-Butanone-d5	4.17	46	257449	111.21	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	111.21%
24) Chloroform-d	4.65	84	287921	51.95	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.90%
26) 1,2-Dichloroethane-d4	5.31	65	164698	51.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.88%
32) Benzene-d6	5.34	84	589035	49.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.96%
36) 1,2-Dichloropropane-d6	6.33	67	185214	51.35	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.70%
41) Toluene-d8	7.56	98	555742	50.36	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.72%
43) trans-1,3-Dichloropropene-	7.85	79	91826	52.55	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	105.10%
47) 2-Hexanone-d5	8.31	63	214391	106.22	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	106.22%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	295100	53.24	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	106.48%
64) 1,2-Dichlorobenzene-d4	11.85	152	239189	51.05	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.10%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	149167	50.537 ug/L	98
3) Chloromethane	1.33	50	169715	52.118 ug/L	100
5) Vinyl chloride	1.40	62	182401	51.098 ug/L	98
6) Bromomethane	1.62	94	113061	51.129 ug/L	98
8) Chloroethane	1.70	64	114579	48.974 ug/L	97
9) Trichlorofluoromethane	1.88	101	244331	51.038 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	158764	51.733 ug/L	99
12) 1,1-Dichloroethene	2.28	96	148304	50.652 ug/L	93
13) Acetone	2.32	43	220981	81.641 ug/L	100
14) Carbon disulfide	2.48	76	439582	48.440 ug/L	100
15) Methyl Acetate	2.61	43	184162	52.662 ug/L	99
16) Methylene chloride	2.70	84	175861	50.867 ug/L	98
17) trans-1,2-Dichloroethene	2.98	96	163424	51.254 ug/L	99
18) Methyl tert-butyl Ether	3.00	73	499201	52.789 ug/L	100
19) 1,1-Dichloroethane	3.44	63	291659	53.276 ug/L	100
20) cis-1,2-Dichloroethene	4.22	96	188087	51.817 ug/L	96
22) 2-Butanone	4.26	43	290603	94.305 ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	97878	52.055	ug/L	97
25) Chloroform	4.67	83	304870	53.059	ug/L	99
27) 1,2-Dichloroethane	5.40	62	217927	52.755	ug/L	98
29) Cyclohexane	4.99	56	252742	50.050	ug/L	99
30) 1,1,1-Trichloroethane	4.91	97	256450	51.308	ug/L	99
31) Carbon tetrachloride	5.13	117	226192	51.249	ug/L	99
33) Benzene	5.39	78	681331	52.004	ug/L	100
34) Trichloroethene	6.18	95	176617	51.436	ug/L	99
35) Methylcyclohexane	6.41	83	279813	50.253	ug/L	99
37) 1,2-Dichloropropane	6.43	63	183943	53.376	ug/L	99
38) Bromodichloromethane	6.76	83	227607	53.112	ug/L	98
39) cis-1,3-Dichloropropene	7.27	75	282247	52.629	ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	478729	102.883	ug/L	100
42) Toluene	7.63	91	742786	52.145	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	260534	53.207	ug/L	99
45) 1,1,2-Trichloroethane	8.06	97	181745	52.734	ug/L	98
46) Tetrachloroethene	8.22	164	152273	50.674	ug/L	99
48) 2-Hexanone	8.36	43	394066	99.269	ug/L	99
49) Dibromochloromethane	8.47	129	203764	52.918	ug/L	99
50) 1,2-Dibromoethane	8.58	107	199534	52.525	ug/L	97
51) Chlorobenzene	9.12	112	500106	52.076	ug/L	100
52) Ethylbenzene	9.25	91	810851	51.708	ug/L	99
53) m,p-Xylene	9.37	106	315243	51.960	ug/L	98
54) o-xylene	9.77	106	309745	51.977	ug/L	97
55) Styrene	9.79	104	535368	52.761	ug/L	98
56) Isopropylbenzene	10.16	105	813508	52.144	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	309091	52.253	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	232556	51.816	ug/L	100
61) Bromoform	9.95	173	159837	53.097	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	395077	50.585	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	415156	52.276	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	416815	53.020	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.65	75	68052	53.269	ug/L	95
67) 1,3,5-Trichlorobenzene	12.88	180	315211	51.998	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	285688	51.521	ug/L	99
69) Naphthalene	13.74	128	898631	49.879	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	297496	51.644	ug/L	100

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

