

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU032119\
 Data File : VU030251.D
 Acq On : 21 Mar 2019 09:29
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05050

Quant Time: Mar 22 04:03:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031919WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Mar 22 01:27:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	570295	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	551224	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	286563	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	175766	45.58	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.16%
7) Chloroethane-d5	1.68	69	144799	46.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.92%
11) 1,1-Dichloroethene-d2	2.27	63	327987	46.62	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.24%
21) 2-Butanone-d5	4.17	46	274931	96.10	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	96.10%
24) Chloroform-d	4.64	84	331347	46.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.64%
26) 1,2-Dichloroethane-d4	5.31	65	186368	46.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.34%
32) Benzene-d6	5.34	84	693491	47.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.48%
36) 1,2-Dichloropropane-d6	6.33	67	210741	46.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.78%
41) Toluene-d8	7.56	98	649454	47.55	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.10%
43) trans-1,3-Dichloropropene-	7.85	79	104253	47.64	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.28%
47) 2-Hexanone-d5	8.31	63	227353	97.54	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	97.54%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	325280	47.18	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.36%
64) 1,2-Dichlorobenzene-d4	11.85	152	263782	45.85	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.70%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.21	85	234113	48.486	ug/L 100
3) Chloromethane	1.33	50	222748	47.660	ug/L 98
5) Vinyl chloride	1.40	62	239776	48.329	ug/L 100
6) Bromomethane	1.62	94	117277	43.680	ug/L 98
8) Chloroethane	1.70	64	141172	48.126	ug/L 97
9) Trichlorofluoromethane	1.88	101	313618	49.776	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	192137	50.150	ug/L 99
12) 1,1-Dichloroethene	2.28	96	185087	48.646	ug/L 98
13) Acetone	2.32	43	320484	107.208	ug/L 99
14) Carbon disulfide	2.48	76	537765	47.322	ug/L 100
15) Methyl Acetate	2.61	43	209094	48.099	ug/L 99
16) Methylene chloride	2.70	84	207876	48.173	ug/L 99
17) trans-1,2-Dichloroethene	2.98	96	191937	47.868	ug/L 99
18) Methyl tert-butyl Ether	3.00	73	571432	49.543	ug/L 100
19) 1,1-Dichloroethane	3.44	63	339463	49.221	ug/L 99
20) cis-1,2-Dichloroethene	4.22	96	216804	49.351	ug/L 99
22) 2-Butanone	4.26	43	363561	103.479	ug/L 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	112648	47.910	ug/L	98
25) Chloroform	4.67	83	348857	48.553	ug/L	99
27) 1,2-Dichloroethane	5.40	62	252092	49.501	ug/L	99
29) Cyclohexane	4.99	56	307130	51.280	ug/L	99
30) 1,1,1-Trichloroethane	4.91	97	295981	49.823	ug/L	99
31) Carbon tetrachloride	5.13	117	257921	49.042	ug/L	100
33) Benzene	5.39	78	801860	50.420	ug/L	100
34) Trichloroethene	6.18	95	209331	49.939	ug/L	98
35) Methylcyclohexane	6.41	83	341888	52.014	ug/L	98
37) 1,2-Dichloropropane	6.43	63	202934	49.824	ug/L	99
38) Bromodichloromethane	6.75	83	261133	49.865	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	321220	49.155	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	556247	99.370	ug/L	99
42) Toluene	7.63	91	879200	50.791	ug/L	100
44) trans-1,3-Dichloropropene	7.88	75	291402	51.533	ug/L	98
45) 1,1,2-Trichloroethane	8.06	97	206251	49.331	ug/L	98
46) Tetrachloroethene	8.22	164	180337	50.919	ug/L	98
48) 2-Hexanone	8.36	43	466174	100.337	ug/L	100
49) Dibromochloromethane	8.47	129	235599	50.252	ug/L	98
50) 1,2-Dibromoethane	8.58	107	228817	49.364	ug/L	98
51) Chlorobenzene	9.12	112	565594	49.387	ug/L	99
52) Ethylbenzene	9.25	91	953217	50.707	ug/L	100
53) m,p-Xylene	9.37	106	372653	51.453	ug/L	97
54) o-xylene	9.77	106	365895	51.393	ug/L	99
55) Styrene	9.79	104	631414	52.344	ug/L	99
56) Isopropylbenzene	10.16	105	944648	51.320	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	348202	48.841	ug/L	100
59) 1,2,3-Trichloropropane	10.49	75	265565	48.242	ug/L	99
61) Bromoform	9.95	173	184632	49.892	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	455652	49.838	ug/L	98
63) 1,4-Dichlorobenzene	11.50	146	470252	49.587	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	463264	49.595	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	75012	48.031	ug/L	96
67) 1,3,5-Trichlorobenzene	12.88	180	363935	50.933	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	322662	51.064	ug/L	100
69) Naphthalene	13.74	128	934153	46.598	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	327095	49.611	ug/L	98

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

