

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080119\
 Data File : VU033536.D
 Acq On : 01 Aug 2019 09:15
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05043

Quant Time: Aug 02 01:47:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM073119WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 01 15:11:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	308653	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	305427	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	164132	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	97852	43.60	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	87.20%
7) Chloroethane-d5	1.67	69	89574	46.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.04%
11) 1,1-Dichloroethene-d2	2.26	63	189992	46.65	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.30%
21) 2-Butanone-d5	4.15	46	153912	103.55	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	103.55%
24) Chloroform-d	4.62	84	187411	49.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.64%
26) 1,2-Dichloroethane-d4	5.29	65	117334	49.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.52%
32) Benzene-d6	5.32	84	364887	48.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.38%
36) 1,2-Dichloropropane-d6	6.31	67	116142	48.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.86%
41) Toluene-d8	7.55	98	340124	47.94	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.88%
43) trans-1,3-Dichloropropene-	7.83	79	57503	48.84	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.68%
47) 2-Hexanone-d5	8.30	63	115855	102.81	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	102.81%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	182922	49.98	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.96%
64) 1,2-Dichlorobenzene-d4	11.85	152	142164	47.30	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	157500	54.111 ug/L	98
3) Chloromethane	1.32	50	152037	51.857 ug/L	99
5) Vinyl chloride	1.40	62	161003	51.226 ug/L	99
6) Bromomethane	1.62	94	143670	51.808 ug/L	99
8) Chloroethane	1.69	64	99744	52.227 ug/L	97
9) Trichlorofluoromethane	1.87	101	220396	53.606 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	113005	54.217 ug/L	99
12) 1,1-Dichloroethene	2.27	96	105074	52.569 ug/L	96
13) Acetone	2.31	43	190334	125.166 ug/L	100
14) Carbon disulfide	2.46	76	323157	51.547 ug/L	99
15) Methyl Acetate	2.60	43	128436	53.052 ug/L	99
16) Methylene chloride	2.68	84	121041	53.016 ug/L	98
17) trans-1,2-Dichloroethene	2.96	96	109580	52.328 ug/L	99
18) Methyl tert-butyl Ether	2.98	73	341390	53.459 ug/L	100
19) 1,1-Dichloroethane	3.42	63	208275	52.987 ug/L	99
20) cis-1,2-Dichloroethene	4.20	96	123332	52.471 ug/L	98
22) 2-Butanone	4.24	43	215080	118.475 ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.52	128	66062	53.867	ug/L	95
25) Chloroform	4.65	83	218416	52.802	ug/L	99
27) 1,2-Dichloroethane	5.38	62	171514	53.848	ug/L	99
29) Cyclohexane	4.97	56	179046	53.743	ug/L	100
30) 1,1,1-Trichloroethane	4.89	97	186112	52.958	ug/L	99
31) Carbon tetrachloride	5.11	117	166471	54.395	ug/L	98
33) Benzene	5.37	78	470497	53.398	ug/L	100
34) Trichloroethene	6.16	95	119336	51.344	ug/L	99
35) Methylcyclohexane	6.40	83	199351	54.964	ug/L	99
37) 1,2-Dichloropropane	6.41	63	125574	53.243	ug/L	100
38) Bromodichloromethane	6.74	83	165677	54.340	ug/L	98
39) cis-1,3-Dichloropropene	7.25	75	196736	53.444	ug/L	98
40) 4-Methyl-2-pentanone	7.44	43	352284	108.185	ug/L	99
42) Toluene	7.62	91	514478	54.302	ug/L	99
44) trans-1,3-Dichloropropene	7.86	75	178163	53.555	ug/L	99
45) 1,1,2-Trichloroethane	8.05	97	119800	53.506	ug/L	99
46) Tetrachloroethene	8.21	164	99466	52.419	ug/L	96
48) 2-Hexanone	8.34	43	299180	113.666	ug/L	99
49) Dibromochloromethane	8.46	129	134502	52.800	ug/L	98
50) 1,2-Dibromoethane	8.57	107	131207	52.904	ug/L	98
51) Chlorobenzene	9.10	112	327425	52.786	ug/L	100
52) Ethylbenzene	9.23	91	551971	54.103	ug/L	100
53) m,p-Xylene	9.36	106	212622	54.287	ug/L	98
54) o-xylene	9.76	106	207736	54.678	ug/L	99
55) Styrene	9.77	104	358891	55.618	ug/L	99
56) Isopropylbenzene	10.15	105	537813	54.177	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.44	83	212362	52.587	ug/L	99
59) 1,2,3-Trichloropropane	10.48	75	163225	52.432	ug/L	99
61) Bromoform	9.94	173	105424	53.173	ug/L	99
62) 1,3-Dichlorobenzene	11.40	146	265416	52.655	ug/L	99
63) 1,4-Dichlorobenzene	11.49	146	271528	51.849	ug/L	99
65) 1,2-Dichlorobenzene	11.86	146	266744	52.337	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.64	75	48613	51.626	ug/L	98
67) 1,3,5-Trichlorobenzene	12.87	180	208310	51.224	ug/L	99
68) 1,2,4-trichlorobenzene	13.49	180	177147	50.980	ug/L	98
69) Naphthalene	13.73	128	514625	51.620	ug/L	100
70) 1,2,3-Trichlorobenzene	13.97	180	188358	51.542	ug/L	99

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

