

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU010920\
 Data File : VU036423.D
 Acq On : 09 Jan 2020 17:13
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05057

Quant Time: Jan 10 04:10:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122719WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jan 10 04:07:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	503676	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	492880	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	239378	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	139897	35.65	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	71.30%
7) Chloroethane-d5	1.93	69	129724	39.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	78.36%
11) 1,1-Dichloroethene-d2	2.59	63	292332	43.72	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.44%
21) 2-Butanone-d5	4.68	46	256908	87.90	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	87.90%
24) Chloroform-d	5.11	84	331437	48.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.76%
26) 1,2-Dichloroethane-d4	5.74	65	220946	48.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.30%
32) Benzene-d6	5.77	84	634777	46.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.52%
36) 1,2-Dichloropropane-d6	6.73	67	214373	46.58	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.16%
41) Toluene-d8	7.93	98	608199	46.17	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.34%
43) trans-1,3-Dichloropropene-	8.21	79	112994	45.25	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.50%
47) 2-Hexanone-d5	8.67	63	208334	87.78	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	87.78%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	319803	45.82	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.64%
64) 1,2-Dichlorobenzene-d4	12.21	152	226567	45.12	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.24%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	175592	43.649	ug/L 99
3) Chloromethane	1.54	50	164898	45.051	ug/L 98
5) Vinyl chloride	1.62	62	169707	39.946	ug/L 98
6) Bromomethane	1.87	94	103597	50.459	ug/L 100
8) Chloroethane	1.95	64	104517	40.889	ug/L 99
9) Trichlorofluoromethane	2.16	101	253050	42.368	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	141175	47.747	ug/L 98
12) 1,1-Dichloroethene	2.61	96	131661	45.172	ug/L 93
13) Acetone	2.66	43	168516	55.591	ug/L 98
14) Carbon disulfide	2.82	76	357044	39.586	ug/L 98
15) Methyl Acetate	2.98	43	190408	46.711	ug/L 97
16) Methylene chloride	3.08	84	168763	47.301	ug/L 100
17) trans-1,2-Dichloroethene	3.39	96	144628	45.963	ug/L 97
18) Methyl tert-butyl Ether	3.41	73	554194	48.483	ug/L 99
19) 1,1-Dichloroethane	3.92	63	303547	48.127	ug/L 95
20) cis-1,2-Dichloroethene	4.71	96	177651	46.676	ug/L # 92
22) 2-Butanone	4.75	43	270803	75.621	ug/L 96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	87034	47.636	ug/L	98
25) Chloroform	5.13	83	331014	49.255	ug/L	99
27) 1,2-Dichloroethane	5.84	62	256000	49.278	ug/L	98
29) Cyclohexane	5.43	56	256375	44.893	ug/L	98
30) 1,1,1-Trichloroethane	5.36	97	282031	46.687	ug/L	99
31) Carbon tetrachloride	5.56	117	237418	45.339	ug/L	99
33) Benzene	5.81	78	663400	45.819	ug/L	100
34) Trichloroethene	6.58	95	176842	47.377	ug/L	96
35) Methylcyclohexane	6.80	83	263035	44.149	ug/L	100
37) 1,2-Dichloropropane	6.83	63	182774	46.619	ug/L	99
38) Bromodichloromethane	7.14	83	256724	46.415	ug/L	99
39) cis-1,3-Dichloropropene	7.64	75	287203	43.758	ug/L	100
40) 4-Methyl-2-pentanone	7.83	43	564179	84.682	ug/L	99
42) Toluene	8.00	91	738878	46.344	ug/L	100
44) trans-1,3-Dichloropropene	8.24	75	278650	45.572	ug/L	97
45) 1,1,2-Trichloroethane	8.43	97	177843	48.621	ug/L	98
46) Tetrachloroethene	8.58	164	119572	44.522	ug/L	95
48) 2-Hexanone	8.72	43	444995	86.806	ug/L	97
49) Dibromochloromethane	8.84	129	201273	44.830	ug/L	99
50) 1,2-Dibromoethane	8.95	107	196285	46.272	ug/L	100
51) Chlorobenzene	9.47	112	469803	46.686	ug/L	99
52) Ethylbenzene	9.60	91	847362	46.697	ug/L	98
53) m,p-Xylene	9.72	106	307659	45.707	ug/L	99
54) o-xylene	10.13	106	314535	46.571	ug/L	98
55) Styrene	10.14	104	523228	45.818	ug/L	100
56) Isopropylbenzene	10.51	105	823346	46.772	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.81	83	313970	45.411	ug/L	99
59) 1,2,3-Trichloropropane	10.85	75	254511	46.268	ug/L	99
61) Bromoform	10.32	173	143659	40.385	ug/L	99
62) 1,3-Dichlorobenzene	11.77	146	350706	45.337	ug/L	95
63) 1,4-Dichlorobenzene	11.86	146	344794	44.934	ug/L	99
65) 1,2-Dichlorobenzene	12.23	146	348356	44.946	ug/L	96
66) 1,2-Dibromo-3-chloropropan	13.02	75	70725	39.106	ug/L	90
67) 1,3,5-Trichlorobenzene	13.24	180	211709	41.215	ug/L	98
68) 1,2,4-trichlorobenzene	13.86	180	157382	40.427	ug/L	97
69) Naphthalene	14.10	128	483726	36.161	ug/L	99
70) 1,2,3-Trichlorobenzene	14.35	180	163473	39.985	ug/L	98

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

