

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU073119\
 Data File : VU033510.D
 Acq On : 30 Jul 2019 23:01
 Operator : JC/SP
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05040

Quant Time: Jul 31 08:12:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM073119WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jul 31 08:02:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	322068	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	324449	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	175196	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	110073	47.01	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	94.02%
7) Chloroethane-d5	1.67	69	109725	54.61	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	109.22%
11) 1,1-Dichloroethene-d2	2.26	63	201418	47.39	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.78%
21) 2-Butanone-d5	4.15	46	155943	100.55	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.55%
24) Chloroform-d	4.62	84	190753	48.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.20%
26) 1,2-Dichloroethane-d4	5.29	65	120859	48.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.24%
32) Benzene-d6	5.32	84	384217	47.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.54%
36) 1,2-Dichloropropane-d6	6.31	67	120567	47.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.64%
41) Toluene-d8	7.55	98	365502	48.49	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.98%
43) trans-1,3-Dichloropropene-	7.83	79	58383	46.68	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.36%
47) 2-Hexanone-d5	8.29	63	120806	100.92	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.92%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	183035	47.08	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.16%
64) 1,2-Dichlorobenzene-d4	11.84	152	147515	45.98	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.96%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	151033	49.728	ug/L 99
3) Chloromethane	1.32	50	152474	49.840	ug/L 99
5) Vinyl chloride	1.40	62	164089	50.033	ug/L 98
6) Bromomethane	1.62	94	135355	46.776	ug/L 97
8) Chloroethane	1.69	64	107142	53.764	ug/L 95
9) Trichlorofluoromethane	1.87	101	216038	50.357	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	106921	49.162	ug/L 100
12) 1,1-Dichloroethene	2.27	96	102820	49.299	ug/L 96
13) Acetone	2.32	43	121472	76.554	ug/L 99
14) Carbon disulfide	2.46	76	321147	49.093	ug/L 100
15) Methyl Acetate	2.60	43	128560	50.891	ug/L 100
16) Methylene chloride	2.68	84	118205	49.618	ug/L 99
17) trans-1,2-Dichloroethene	2.96	96	108682	49.737	ug/L 100
18) Methyl tert-butyl Ether	2.98	73	334854	50.252	ug/L 99
19) 1,1-Dichloroethane	3.42	63	206725	50.402	ug/L 99
20) cis-1,2-Dichloroethene	4.20	96	122733	50.041	ug/L 96
22) 2-Butanone	4.24	43	191095	100.879	ug/L 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.52	128	63758	49.823	ug/L	96
25) Chloroform	4.65	83	218344	50.586	ug/L	98
27) 1,2-Dichloroethane	5.38	62	168260	50.626	ug/L	100
29) Cyclohexane	4.97	56	176347	49.830	ug/L	100
30) 1,1,1-Trichloroethane	4.89	97	184574	49.441	ug/L	99
31) Carbon tetrachloride	5.11	117	161591	49.705	ug/L	99
33) Benzene	5.37	78	467853	49.985	ug/L	100
34) Trichloroethene	6.16	95	118169	47.861	ug/L	99
35) Methylcyclohexane	6.40	83	190100	49.341	ug/L	99
37) 1,2-Dichloropropane	6.41	63	125731	50.184	ug/L	99
38) Bromodichloromethane	6.74	83	161427	49.842	ug/L	98
39) cis-1,3-Dichloropropene	7.25	75	187755	48.014	ug/L	99
40) 4-Methyl-2-pentanone	7.44	43	347003	100.316	ug/L	99
42) Toluene	7.62	91	505850	50.261	ug/L	100
44) trans-1,3-Dichloropropene	7.86	75	170039	48.116	ug/L	97
45) 1,1,2-Trichloroethane	8.05	97	117322	49.327	ug/L	99
46) Tetrachloroethene	8.21	164	97023	48.134	ug/L	97
48) 2-Hexanone	8.34	43	276983	99.063	ug/L	98
49) Dibromochloromethane	8.46	129	133510	49.338	ug/L	96
50) 1,2-Dibromoethane	8.57	107	130784	49.641	ug/L	99
51) Chlorobenzene	9.10	112	325254	49.362	ug/L	99
52) Ethylbenzene	9.23	91	546564	50.432	ug/L	100
53) m,p-Xylene	9.36	106	207915	49.973	ug/L	98
54) o-xylene	9.76	106	206787	51.237	ug/L	99
55) Styrene	9.77	104	353219	51.530	ug/L	100
56) Isopropylbenzene	10.15	105	529353	50.198	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.44	83	212373	49.506	ug/L	98
59) 1,2,3-Trichloropropane	10.48	75	162930	49.269	ug/L	100
61) Bromoform	9.94	173	103714	49.007	ug/L	100
62) 1,3-Dichlorobenzene	11.40	146	261099	48.527	ug/L	99
63) 1,4-Dichlorobenzene	11.49	146	264945	47.397	ug/L	99
65) 1,2-Dichlorobenzene	11.86	146	264524	48.623	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.64	75	49397	49.145	ug/L	99
67) 1,3,5-Trichlorobenzene	12.87	180	202861	46.734	ug/L	98
68) 1,2,4-trichlorobenzene	13.49	180	178580	48.147	ug/L	98
69) Naphthalene	13.73	128	517248	48.607	ug/L	99
70) 1,2,3-Trichlorobenzene	13.97	180	187557	48.082	ug/L	100

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

