

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080119\
 Data File : VU033555.D
 Acq On : 01 Aug 2019 17:53
 Operator : JC/SP
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05045

Quant Time: Aug 02 02:32:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM073119WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 02 02:28:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	293484	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	295758	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	159330	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	85049	39.86	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	79.72%
7) Chloroethane-d5	1.67	69	97359	53.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	106.36%
11) 1,1-Dichloroethene-d2	2.26	63	170454	44.01	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.02%
21) 2-Butanone-d5	4.15	46	160405	113.50	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	113.50%
24) Chloroform-d	4.62	84	174614	48.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.64%
26) 1,2-Dichloroethane-d4	5.29	65	110158	48.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.26%
32) Benzene-d6	5.32	84	333612	45.50	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.00%
36) 1,2-Dichloropropane-d6	6.31	67	109180	47.50	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.00%
41) Toluene-d8	7.55	98	307798	44.80	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.60%
43) trans-1,3-Dichloropropene-	7.83	79	53215	46.68	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.36%
47) 2-Hexanone-d5	8.30	63	116951	107.18	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	107.18%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	176054	49.68	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.36%
64) 1,2-Dichlorobenzene-d4	11.85	152	132900	45.55	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.10%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	139781	50.506	ug/L 99
3) Chloromethane	1.32	50	143361	51.425	ug/L 99
5) Vinyl chloride	1.40	62	154420	51.671	ug/L 98
6) Bromomethane	1.62	94	121111	45.930	ug/L 96
8) Chloroethane	1.69	64	109162	60.113	ug/L 97
9) Trichlorofluoromethane	1.87	101	208207	53.259	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	105080	53.021	ug/L 99
12) 1,1-Dichloroethene	2.27	96	98954	52.066	ug/L 93
13) Acetone	2.32	43	148587	102.763	ug/L 100
14) Carbon disulfide	2.46	76	288345	48.371	ug/L 100
15) Methyl Acetate	2.60	43	128064	55.632	ug/L 99
16) Methylene chloride	2.68	84	116256	53.552	ug/L 97
17) trans-1,2-Dichloroethene	2.96	96	101885	51.168	ug/L 98
18) Methyl tert-butyl Ether	2.98	73	324303	53.408	ug/L 99
19) 1,1-Dichloroethane	3.42	63	200684	53.694	ug/L 99
20) cis-1,2-Dichloroethene	4.20	96	115667	51.753	ug/L 99
22) 2-Butanone	4.24	43	194474	112.661	ug/L 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.52	128	60682	52.037	ug/L	96
25) Chloroform	4.65	83	210352	53.481	ug/L	99
27) 1,2-Dichloroethane	5.38	62	161451	53.309	ug/L	100
29) Cyclohexane	4.97	56	165289	51.236	ug/L	97
30) 1,1,1-Trichloroethane	4.89	97	173974	51.123	ug/L	99
31) Carbon tetrachloride	5.11	117	153494	51.794	ug/L	100
33) Benzene	5.37	78	448568	52.574	ug/L	100
34) Trichloroethene	6.17	95	112513	49.991	ug/L	99
35) Methylcyclohexane	6.40	83	179888	51.219	ug/L	99
37) 1,2-Dichloropropane	6.41	63	121926	53.387	ug/L	99
38) Bromodichloromethane	6.74	83	154626	52.373	ug/L	99
39) cis-1,3-Dichloropropene	7.25	75	183192	51.392	ug/L	100
40) 4-Methyl-2-pentanone	7.44	43	346804	109.984	ug/L	100
42) Toluene	7.62	91	483194	52.667	ug/L	99
44) trans-1,3-Dichloropropene	7.86	75	166037	51.542	ug/L	98
45) 1,1,2-Trichloroethane	8.05	97	116165	53.578	ug/L	99
46) Tetrachloroethene	8.21	164	92431	50.304	ug/L	98
48) 2-Hexanone	8.34	43	281388	110.401	ug/L	100
49) Dibromochloromethane	8.46	129	128025	51.901	ug/L	98
50) 1,2-Dibromoethane	8.57	107	124146	51.693	ug/L	99
51) Chlorobenzene	9.10	112	306329	51.000	ug/L	100
52) Ethylbenzene	9.23	91	515723	52.203	ug/L	99
53) m,p-Xylene	9.36	106	197856	52.169	ug/L	96
54) o-xylene	9.76	106	194808	52.951	ug/L	99
55) Styrene	9.77	104	340280	54.458	ug/L	100
56) Isopropylbenzene	10.15	105	504230	52.455	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.44	83	206396	52.780	ug/L	99
59) 1,2,3-Trichloropropane	10.48	75	159426	52.886	ug/L	100
61) Bromoform	9.94	173	97230	50.519	ug/L	98
62) 1,3-Dichlorobenzene	11.40	146	245911	50.255	ug/L	99
63) 1,4-Dichlorobenzene	11.49	146	251687	49.509	ug/L	98
65) 1,2-Dichlorobenzene	11.86	146	251367	50.806	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.64	75	47792	52.283	ug/L	96
67) 1,3,5-Trichlorobenzene	12.87	180	188979	47.871	ug/L	99
68) 1,2,4-trichlorobenzene	13.49	180	159357	47.243	ug/L	99
69) Naphthalene	13.73	128	481331	49.736	ug/L	99
70) 1,2,3-Trichlorobenzene	13.97	180	172126	48.520	ug/L	99

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

