

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080519\
 Data File : VU033596.D
 Acq On : 05 Aug 2019 13:16
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV35

Quant Time: Aug 06 05:39:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080519WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Aug 06 03:56:19 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	362581	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	348707	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	192469	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	104783	45.22	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.44%
7) Chloroethane-d5	1.67	69	112809	43.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.36%
11) 1,1-Dichloroethene-d2	2.26	63	219402	48.90	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.80%
21) 2-Butanone-d5	4.16	46	183714	97.87	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	97.87%
24) Chloroform-d	4.62	84	202385	45.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.76%
26) 1,2-Dichloroethane-d4	5.29	65	126672	45.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.08%
32) Benzene-d6	5.32	84	402743	47.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.46%
36) 1,2-Dichloropropane-d6	6.31	67	129831	47.57	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.14%
41) Toluene-d8	7.55	98	382711	48.23	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.46%
43) trans-1,3-Dichloropropene-	7.83	79	64947	47.84	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.68%
47) 2-Hexanone-d5	8.30	63	136275	102.09	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	102.09%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	199381	47.73	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.46%
64) 1,2-Dichlorobenzene-d4	11.84	152	160597	46.46	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.92%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	152067	49.045	ug/L 99
3) Chloromethane	1.32	50	161654	48.107	ug/L 100
5) Vinyl chloride	1.39	62	177744	48.344	ug/L 97
6) Bromomethane	1.62	94	124851	42.511	ug/L 97
8) Chloroethane	1.69	64	131301	45.413	ug/L 98
9) Trichlorofluoromethane	1.87	101	230259	48.021	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	121923	50.064	ug/L 99
12) 1,1-Dichloroethene	2.27	96	117997	49.827	ug/L 97
13) Acetone	2.32	43	181950	97.313	ug/L 100
14) Carbon disulfide	2.46	76	356330	48.542	ug/L 100
15) Methyl Acetate	2.60	43	145167	47.550	ug/L 99
16) Methylene chloride	2.68	84	130859	47.364	ug/L 99
17) trans-1,2-Dichloroethene	2.96	96	122137	48.343	ug/L 99
18) Methyl tert-butyl Ether	2.98	73	386185	49.359	ug/L 99
19) 1,1-Dichloroethane	3.42	63	227098	47.755	ug/L 99
20) cis-1,2-Dichloroethene	4.20	96	138136	49.570	ug/L 100
22) 2-Butanone	4.24	43	232573	99.030	ug/L 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.52	128	70374	48.293	ug/L	97
25) Chloroform	4.65	83	231751	47.165	ug/L	99
27) 1,2-Dichloroethane	5.38	62	182758	47.607	ug/L	99
29) Cyclohexane	4.97	56	207181	52.168	ug/L	99
30) 1,1,1-Trichloroethane	4.89	97	198583	48.683	ug/L	99
31) Carbon tetrachloride	5.11	117	175963	49.143	ug/L	100
33) Benzene	5.37	78	509388	49.071	ug/L	100
34) Trichloroethene	6.16	95	132520	49.564	ug/L	99
35) Methylcyclohexane	6.40	83	222081	52.763	ug/L	99
37) 1,2-Dichloropropane	6.41	63	138220	48.753	ug/L	100
38) Bromodichloromethane	6.74	83	174505	48.833	ug/L	99
39) cis-1,3-Dichloropropene	7.25	75	219967	51.020	ug/L	98
40) 4-Methyl-2-pentanone	7.44	43	406748	100.255	ug/L	99
42) Toluene	7.62	91	564599	50.909	ug/L	100
44) trans-1,3-Dichloropropene	7.86	75	197311	50.860	ug/L	99
45) 1,1,2-Trichloroethane	8.05	97	128717	48.523	ug/L	98
46) Tetrachloroethene	8.21	164	113267	51.634	ug/L	99
48) 2-Hexanone	8.35	43	329474	101.691	ug/L	99
49) Dibromochloromethane	8.46	129	148093	49.674	ug/L	98
50) 1,2-Dibromoethane	8.57	107	143542	49.405	ug/L	99
51) Chlorobenzene	9.10	112	363354	50.175	ug/L	100
52) Ethylbenzene	9.23	91	616550	51.276	ug/L	99
53) m,p-Xylene	9.36	106	239549	52.313	ug/L	99
54) o-xylene	9.76	106	233011	51.949	ug/L	98
55) Styrene	9.77	104	397333	52.169	ug/L	99
56) Isopropylbenzene	10.15	105	609615	52.683	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.44	83	230952	48.690	ug/L	98
59) 1,2,3-Trichloropropane	10.48	75	179635	48.376	ug/L	99
61) Bromoform	9.94	173	115631	48.255	ug/L	98
62) 1,3-Dichlorobenzene	11.40	146	301000	49.847	ug/L	99
63) 1,4-Dichlorobenzene	11.49	146	303792	49.245	ug/L	99
65) 1,2-Dichlorobenzene	11.86	146	298290	49.528	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.64	75	55357	48.773	ug/L	99
67) 1,3,5-Trichlorobenzene	12.87	180	241072	51.853	ug/L	99
68) 1,2,4-trichlorobenzene	13.49	180	215927	54.445	ug/L	99
69) Naphthalene	13.73	128	625416	54.263	ug/L	100
70) 1,2,3-Trichlorobenzene	13.97	180	218617	51.820	ug/L	99

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

