

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU031220\
 Data File : VU037189.D
 Acq On : 12 Mar 2020 14:56
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV32

Quant Time: Mar 13 07:33:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031220WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Mar 13 07:30:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	430514	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	425304	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	212835	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	167305	50.21	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	100.42%
7) Chloroethane-d5	1.93	69	135507	50.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.88%
11) 1,1-Dichloroethene-d2	2.59	63	311343	50.93	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.86%
21) 2-Butanone-d5	4.67	46	272572	103.37	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	103.37%
24) Chloroform-d	5.11	84	329344	51.41	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.82%
26) 1,2-Dichloroethane-d4	5.74	65	234570	50.03	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.06%
32) Benzene-d6	5.76	84	593863	50.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.46%
36) 1,2-Dichloropropane-d6	6.72	67	192395	50.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.40%
41) Toluene-d8	7.92	98	568243	50.77	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.54%
43) trans-1,3-Dichloropropene-	8.20	79	104147	49.93	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.86%
47) 2-Hexanone-d5	8.66	63	204623	103.13	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.13%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	287003	48.35	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.70%
64) 1,2-Dichlorobenzene-d4	12.21	152	220943	50.05	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.10%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	216031	49.103	ug/L 98
3) Chloromethane	1.54	50	184679	51.326	ug/L 100
5) Vinyl chloride	1.62	62	201294	51.050	ug/L 100
6) Bromomethane	1.87	94	89528	59.150	ug/L 98
8) Chloroethane	1.95	64	113897	49.305	ug/L 98
9) Trichlorofluoromethane	2.16	101	299848	49.805	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	140573	49.995	ug/L 98
12) 1,1-Dichloroethene	2.60	96	128280	50.490	ug/L 97
13) Acetone	2.65	43	239904	95.895	ug/L 99
14) Carbon disulfide	2.82	76	361404	50.172	ug/L 98
15) Methyl Acetate	2.98	43	200714	51.010	ug/L 98
16) Methylene chloride	3.08	84	157675	49.720	ug/L 99
17) trans-1,2-Dichloroethene	3.39	96	133160	50.025	ug/L 96
18) Methyl tert-butyl Ether	3.40	73	524868	51.059	ug/L 99
19) 1,1-Dichloroethane	3.91	63	297420	49.934	ug/L 98
20) cis-1,2-Dichloroethene	4.71	96	161744	50.236	ug/L 99
22) 2-Butanone	4.75	43	314332	99.342	ug/L 98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU031220\
 Data File : VU037189.D
 Acq On : 12 Mar 2020 14:56
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV32

Quant Time: Mar 13 07:33:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031220WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Mar 13 07:30:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	81289	50.065	ug/L	96
25) Chloroform	5.13	83	316097	49.077	ug/L	99
27) 1,2-Dichloroethane	5.83	62	285015	49.665	ug/L	99
29) Cyclohexane	5.43	56	254060	50.529	ug/L	99
30) 1,1,1-Trichloroethane	5.36	97	282891	50.112	ug/L	99
31) Carbon tetrachloride	5.56	117	249346	49.990	ug/L	100
33) Benzene	5.81	78	628884	50.166	ug/L	100
34) Trichloroethene	6.57	95	163628	50.231	ug/L	99
35) Methylcyclohexane	6.79	83	253825	51.467	ug/L	97
37) 1,2-Dichloropropane	6.82	63	175613	49.283	ug/L	99
38) Bromodichloromethane	7.13	83	245585	49.297	ug/L	99
39) cis-1,3-Dichloropropene	7.63	75	274328	49.651	ug/L	98
40) 4-Methyl-2-pentanone	7.82	43	589601	101.645	ug/L	99
42) Toluene	8.00	91	685721	50.091	ug/L	99
44) trans-1,3-Dichloropropene	8.23	75	270653	51.882	ug/L	98
45) 1,1,2-Trichloroethane	8.42	97	161057	49.639	ug/L	98
46) Tetrachloroethene	8.57	164	121703	50.289	ug/L	98
48) 2-Hexanone	8.71	43	480753	105.170	ug/L	99
49) Dibromochloromethane	8.83	129	190101	49.802	ug/L	98
50) 1,2-Dibromoethane	8.95	107	173786	49.633	ug/L	97
51) Chlorobenzene	9.47	112	425929	49.473	ug/L	99
52) Ethylbenzene	9.59	91	782479	49.364	ug/L	98
53) m,p-Xylene	9.71	106	283645	50.592	ug/L	98
54) o-xylene	10.12	106	278714	50.317	ug/L	95
55) Styrene	10.13	104	483782	51.502	ug/L	99
56) Isopropylbenzene	10.50	105	769236	49.963	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.80	83	293399	49.540	ug/L	99
59) 1,2,3-Trichloropropane	10.84	75	246175	49.699	ug/L	99
61) Bromoform	10.31	173	147624	49.660	ug/L	100
62) 1,3-Dichlorobenzene	11.76	146	339322	50.300	ug/L	98
63) 1,4-Dichlorobenzene	11.85	146	338781	49.688	ug/L	99
65) 1,2-Dichlorobenzene	12.23	146	338185	49.083	ug/L	97
66) 1,2-Dibromo-3-chloropropan	13.02	75	76396	50.293	ug/L	94
67) 1,3,5-Trichlorobenzene	13.24	180	244598	49.753	ug/L	99
68) 1,2,4-trichlorobenzene	13.87	180	205303	53.479	ug/L	99
69) Naphthalene	14.11	128	322245	55.350	ug/L	100
70) 1,2,3-Trichlorobenzene	14.36	180	218300	54.187	ug/L	97

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

