

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU103119\
 Data File : VU035564.D
 Acq On : 30 Oct 2019 16:12
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV35

Quant Time: Oct 30 23:44:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM103119WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 31 00:14:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	725087	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	705734	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	330252	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	279937	47.80	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	95.60%
7) Chloroethane-d5	1.93	69	231307	49.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	98.92%
11) 1,1-Dichloroethene-d2	2.59	63	448614	49.26	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.52%
21) 2-Butanone-d5	4.69	46	347394	101.55	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	101.55%
24) Chloroform-d	5.11	84	442854	48.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.92%
26) 1,2-Dichloroethane-d4	5.75	65	270721	48.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.72%
32) Benzene-d6	5.77	84	932294	50.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.36%
36) 1,2-Dichloropropane-d6	6.73	67	298325	50.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.02%
41) Toluene-d8	7.93	98	891496	51.38	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.76%
43) trans-1,3-Dichloropropene-	8.21	79	138446	50.38	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.76%
47) 2-Hexanone-d5	8.68	63	240357	105.12	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	105.12%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	411334	48.49	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.98%
64) 1,2-Dichlorobenzene-d4	12.22	152	309053	46.40	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.80%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.39	85	277644	49.099	ug/L	99
3) Chloromethane	1.54	50	298808	48.486	ug/L	100
5) Vinyl chloride	1.62	62	325552	49.095	ug/L	100
6) Bromomethane	1.87	94	172187	51.266	ug/L	98
8) Chloroethane	1.95	64	186786	48.432	ug/L	98
9) Trichlorofluoromethane	2.16	101	390014	49.653	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	225296	49.961	ug/L	100
12) 1,1-Dichloroethene	2.61	96	217616	49.131	ug/L	93
13) Acetone	2.66	43	258913	86.026	ug/L	100
14) Carbon disulfide	2.82	76	661993	48.512	ug/L	100
15) Methyl Acetate	2.99	43	269500	49.437	ug/L	100
16) Methylene chloride	3.08	84	261701	48.424	ug/L	99
17) trans-1,2-Dichloroethene	3.39	96	233730	50.109	ug/L	99
18) Methyl tert-butyl Ether	3.42	73	707293	50.155	ug/L	100
19) 1,1-Dichloroethane	3.92	63	442883	49.222	ug/L	99
20) cis-1,2-Dichloroethene	4.72	96	260790	49.570	ug/L	99
22) 2-Butanone	4.77	43	382175	96.192	ug/L	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	138575	49.846	ug/L	97
25) Chloroform	5.14	83	446681	48.881	ug/L	99
27) 1,2-Dichloroethane	5.84	62	328610	49.222	ug/L	99
29) Cyclohexane	5.43	56	377958	52.506	ug/L	100
30) 1,1,1-Trichloroethane	5.36	97	365562	49.283	ug/L	99
31) Carbon tetrachloride	5.57	117	328779	49.849	ug/L	100
33) Benzene	5.82	78	997232	50.278	ug/L	100
34) Trichloroethene	6.58	95	254542	50.481	ug/L	99
35) Methylcyclohexane	6.80	83	378326	51.661	ug/L	99
37) 1,2-Dichloropropane	6.83	63	267486	50.360	ug/L	100
38) Bromodichloromethane	7.14	83	330663	48.978	ug/L	100
39) cis-1,3-Dichloropropene	7.65	75	416419	52.746	ug/L	100
40) 4-Methyl-2-pentanone	7.84	43	708649	99.729	ug/L	99
42) Toluene	8.01	91	1092071	52.534	ug/L	99
44) trans-1,3-Dichloropropene	8.25	75	371649	51.356	ug/L	100
45) 1,1,2-Trichloroethane	8.44	97	250363	49.177	ug/L	100
46) Tetrachloroethene	8.58	164	212220	50.334	ug/L	99
48) 2-Hexanone	8.73	43	557057	96.402	ug/L	91
49) Dibromochloromethane	8.84	129	285488	49.726	ug/L	97
50) 1,2-Dibromoethane	8.96	107	271907	50.059	ug/L	97
51) Chlorobenzene	9.48	112	699495	50.404	ug/L	99
52) Ethylbenzene	9.60	91	1145806	51.559	ug/L	100
53) m,p-Xylene	9.72	106	442173	53.024	ug/L	97
54) o-xylene	10.13	106	432805	53.102	ug/L	100
55) Styrene	10.14	104	724321	53.548	ug/L	100
56) Isopropylbenzene	10.51	105	1085445	52.996	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.81	83	431394	49.195	ug/L	100
59) 1,2,3-Trichloropropane	10.85	75	338147	48.826	ug/L	99
61) Bromoform	10.32	173	223324	44.325	ug/L	100
62) 1,3-Dichlorobenzene	11.77	146	494690	47.483	ug/L	99
63) 1,4-Dichlorobenzene	11.86	146	493146	46.595	ug/L	100
65) 1,2-Dichlorobenzene	12.24	146	494367	46.610	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	73020	44.403	ug/L	98
67) 1,3,5-Trichlorobenzene	13.24	180	286526	47.604	ug/L	100
68) 1,2,4-trichlorobenzene	13.86	180	174926	43.386	ug/L	99
69) Naphthalene	14.11	128	417946	40.414	ug/L	99
70) 1,2,3-Trichlorobenzene	14.35	180	190664	43.889	ug/L	97

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

