

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU100119\
 Data File : VU034888.D
 Acq On : 30 Sep 2019 19:39
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV31

Quant Time: Oct 01 03:55:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM100119WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Oct 01 03:53:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	342947	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	330885	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	151883	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	113601	47.26	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	94.52%
7) Chloroethane-d5	1.67	69	96552	47.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.62%
11) 1,1-Dichloroethene-d2	2.26	63	205759	48.02	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.04%
21) 2-Butanone-d5	4.15	46	236733	100.94	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.94%
24) Chloroform-d	4.62	84	231993	49.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.48%
26) 1,2-Dichloroethane-d4	5.29	65	167897	49.02	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.04%
32) Benzene-d6	5.32	84	453023	50.30	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.60%
36) 1,2-Dichloropropane-d6	6.31	67	153311	49.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.02%
41) Toluene-d8	7.54	98	427169	50.40	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.80%
43) trans-1,3-Dichloropropene-	7.83	79	71099	51.83	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	103.66%
47) 2-Hexanone-d5	8.29	63	155934	105.20	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	105.20%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	221372	50.05	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.10%
64) 1,2-Dichlorobenzene-d4	11.84	152	151301	50.07	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.14%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.20	85	95433	48.240	ug/L	99
3) Chloromethane	1.32	50	81408	47.832	ug/L	97
5) Vinyl chloride	1.40	62	84284	49.488	ug/L	98
6) Bromomethane	1.62	94	43461	50.139	ug/L	100
8) Chloroethane	1.69	64	52648	48.032	ug/L	100
9) Trichlorofluoromethane	1.87	101	125135	48.497	ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	78380	48.382	ug/L	99
12) 1,1-Dichloroethene	2.27	96	61888	48.116	ug/L	95
13) Acetone	2.31	43	163907	87.928	ug/L	99
14) Carbon disulfide	2.46	76	102817	49.862	ug/L	100
15) Methyl Acetate	2.60	43	142940	48.037	ug/L	98
16) Methylene chloride	2.68	84	88894	47.315	ug/L	96
17) trans-1,2-Dichloroethene	2.96	96	65269	49.445	ug/L	96
18) Methyl tert-butyl Ether	2.98	73	357488	48.236	ug/L	100
19) 1,1-Dichloroethane	3.42	63	189204	48.331	ug/L	98
20) cis-1,2-Dichloroethene	4.20	96	94904	48.881	ug/L	94
22) 2-Butanone	4.24	43	236605	97.723	ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.52	128	46432	49.927	ug/L	95
25) Chloroform	4.65	83	204085	47.582	ug/L	98
27) 1,2-Dichloroethane	5.38	62	164000	49.132	ug/L	99
29) Cyclohexane	4.97	56	120280	50.111	ug/L	99
30) 1,1,1-Trichloroethane	4.89	97	158132	49.942	ug/L	99
31) Carbon tetrachloride	5.11	117	120987	49.594	ug/L	97
33) Benzene	5.37	78	361095	51.166	ug/L	100
34) Trichloroethene	6.16	95	88164	50.069	ug/L	98
35) Methylcyclohexane	6.39	83	111619	50.435	ug/L	99
37) 1,2-Dichloropropane	6.41	63	120477	50.487	ug/L	99
38) Bromodichloromethane	6.74	83	152951	50.096	ug/L	99
39) cis-1,3-Dichloropropene	7.25	75	173362	51.567	ug/L	98
40) 4-Methyl-2-pentanone	7.44	43	482060	99.612	ug/L	100
42) Toluene	7.61	91	385606	50.785	ug/L	99
44) trans-1,3-Dichloropropene	7.86	75	155041	50.544	ug/L	95
45) 1,1,2-Trichloroethane	8.04	97	111989	50.101	ug/L	98
46) Tetrachloroethene	8.21	164	58374	50.843	ug/L	98
48) 2-Hexanone	8.34	43	358412	97.595	ug/L	99
49) Dibromochloromethane	8.45	129	118963	50.971	ug/L	97
50) 1,2-Dibromoethane	8.56	107	105504	50.701	ug/L	97
51) Chlorobenzene	9.10	112	251657	48.909	ug/L	96
52) Ethylbenzene	9.23	91	447581	50.214	ug/L	99
53) m,p-Xylene	9.35	106	155597	49.962	ug/L	98
54) o-xylene	9.76	106	166535	50.704	ug/L	100
55) Styrene	9.77	104	288667	50.073	ug/L	98
56) Isopropylbenzene	10.14	105	460470	50.182	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.43	83	219032	49.019	ug/L	100
59) 1,2,3-Trichloropropane	10.47	75	175192	48.714	ug/L	99
61) Bromoform	9.94	173	86592	50.962	ug/L	99
62) 1,3-Dichlorobenzene	11.39	146	204622	49.854	ug/L	99
63) 1,4-Dichlorobenzene	11.48	146	199479	48.308	ug/L	95
65) 1,2-Dichlorobenzene	11.85	146	216250	49.071	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.63	75	48928	53.015	ug/L	97
67) 1,3,5-Trichlorobenzene	12.86	180	145804	52.186	ug/L	99
68) 1,2,4-trichlorobenzene	13.48	180	119895	53.496	ug/L	96
69) Naphthalene	13.72	128	418711	57.012	ug/L	100
70) 1,2,3-Trichlorobenzene	13.96	180	129355	54.249	ug/L	97

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

