

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU073119\
 Data File : VU033499.D
 Acq On : 30 Jul 2019 17:40
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV34

Quant Time: Jul 31 08:05:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM073119WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jul 31 08:02:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	338858	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	335668	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	179212	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	114117	46.32	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.64%
7) Chloroethane-d5	1.67	69	97565	46.16	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.32%
11) 1,1-Dichloroethene-d2	2.26	63	210069	46.98	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.96%
21) 2-Butanone-d5	4.17	46	166435	102.00	ug/L	0.02
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.00%
24) Chloroform-d	4.62	84	198391	48.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.08%
26) 1,2-Dichloroethane-d4	5.29	65	124295	47.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.06%
32) Benzene-d6	5.32	84	397939	47.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.64%
36) 1,2-Dichloropropane-d6	6.31	67	124802	47.84	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.68%
41) Toluene-d8	7.55	98	382316	49.03	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.06%
43) trans-1,3-Dichloropropene-	7.83	79	61622	47.62	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.24%
47) 2-Hexanone-d5	8.30	63	129122	104.26	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	104.26%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	189598	47.14	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.28%
64) 1,2-Dichlorobenzene-d4	11.84	152	151826	46.26	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.52%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.20	85	153035	47.891	ug/L	99
3) Chloromethane	1.32	50	162620	50.522	ug/L	97
5) Vinyl chloride	1.39	62	170973	49.549	ug/L	99
6) Bromomethane	1.62	94	108284	35.567	ug/L	99
8) Chloroethane	1.69	64	107454	51.249	ug/L	97
9) Trichlorofluoromethane	1.87	101	241745	53.558	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	110356	48.227	ug/L	99
12) 1,1-Dichloroethene	2.27	96	106108	48.354	ug/L	96
13) Acetone	2.34	43	160060	95.875	ug/L	98
14) Carbon disulfide	2.46	76	329862	47.926	ug/L	100
15) Methyl Acetate	2.61	43	132197	49.738	ug/L	99
16) Methylene chloride	2.68	84	123859	49.415	ug/L	98
17) trans-1,2-Dichloroethene	2.96	96	113595	49.410	ug/L	98
18) Methyl tert-butyl Ether	2.98	73	351798	50.178	ug/L	99
19) 1,1-Dichloroethane	3.42	63	214421	49.688	ug/L	99
20) cis-1,2-Dichloroethene	4.20	96	126121	48.874	ug/L	98
22) 2-Butanone	4.25	43	204428	102.570	ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.52	128	66571	49.443	ug/L	99
25) Chloroform	4.65	83	221825	48.846	ug/L	99
27) 1,2-Dichloroethane	5.38	62	174960	50.034	ug/L	99
29) Cyclohexane	4.97	56	182399	49.817	ug/L	100
30) 1,1,1-Trichloroethane	4.89	97	188961	48.925	ug/L	99
31) Carbon tetrachloride	5.11	117	164461	48.897	ug/L	100
33) Benzene	5.37	78	478864	49.452	ug/L	100
34) Trichloroethene	6.16	95	122530	47.969	ug/L	99
35) Methylcyclohexane	6.40	83	198049	49.686	ug/L	99
37) 1,2-Dichloropropane	6.41	63	130046	50.172	ug/L	100
38) Bromodichloromethane	6.74	83	165475	49.384	ug/L	100
39) cis-1,3-Dichloropropene	7.25	75	202117	49.960	ug/L	99
40) 4-Methyl-2-pentanone	7.44	43	363279	101.511	ug/L	99
42) Toluene	7.62	91	525442	50.463	ug/L	99
44) trans-1,3-Dichloropropene	7.86	75	181506	49.645	ug/L	97
45) 1,1,2-Trichloroethane	8.05	97	121388	49.331	ug/L	100
46) Tetrachloroethene	8.21	164	100972	48.419	ug/L	98
48) 2-Hexanone	8.35	43	297070	102.696	ug/L	99
49) Dibromochloromethane	8.46	129	138754	49.562	ug/L	98
50) 1,2-Dibromoethane	8.57	107	134819	49.463	ug/L	100
51) Chlorobenzene	9.10	112	332917	48.836	ug/L	100
52) Ethylbenzene	9.23	91	562369	50.156	ug/L	100
53) m,p-Xylene	9.36	106	214840	49.912	ug/L	100
54) o-xylene	9.76	106	212668	50.933	ug/L	100
55) Styrene	9.77	104	365481	51.537	ug/L	99
56) Isopropylbenzene	10.15	105	549915	50.405	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.44	83	213963	48.210	ug/L	98
59) 1,2,3-Trichloropropane	10.48	75	168753	49.324	ug/L	99
61) Bromoform	9.94	173	107806	49.799	ug/L	100
62) 1,3-Dichlorobenzene	11.40	146	268877	48.853	ug/L	100
63) 1,4-Dichlorobenzene	11.49	146	275949	48.259	ug/L	99
65) 1,2-Dichlorobenzene	11.86	146	269137	48.363	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.64	75	50267	48.890	ug/L	99
67) 1,3,5-Trichlorobenzene	12.87	180	214496	48.307	ug/L	99
68) 1,2,4-trichlorobenzene	13.49	180	188103	49.578	ug/L	98
69) Naphthalene	13.73	128	548564	50.394	ug/L	100
70) 1,2,3-Trichlorobenzene	13.97	180	195084	48.891	ug/L	98

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

