

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U100319\
 Data File : VU034924.D
 Acq On : 03 Oct 2019 19:40
 Operator : JC/SP
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05052

Quant Time: Oct 04 06:45:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM100319WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Oct 04 06:39:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.87	114	433270	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	420346	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	202142	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	151202	43.42	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	86.84%
7) Chloroethane-d5	1.67	69	123004	46.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.72%
11) 1,1-Dichloroethene-d2	2.26	63	285555	46.41	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.82%
21) 2-Butanone-d5	4.15	46	254224	99.10	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.10%
24) Chloroform-d	4.62	84	280333	49.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.04%
26) 1,2-Dichloroethane-d4	5.29	65	182630	47.50	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.00%
32) Benzene-d6	5.32	84	566190	47.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.80%
36) 1,2-Dichloropropane-d6	6.31	67	185853	47.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.26%
41) Toluene-d8	7.54	98	533053	48.08	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.16%
43) trans-1,3-Dichloropropene-	7.83	79	87170	49.88	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.76%
47) 2-Hexanone-d5	8.29	63	182821	98.81	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.81%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	271618	49.01	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.02%
64) 1,2-Dichlorobenzene-d4	11.84	152	198828	47.91	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.82%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	180146	48.689	ug/L 100
3) Chloromethane	1.33	50	180351	43.709	ug/L 100
5) Vinyl chloride	1.40	62	188505	48.329	ug/L 99
6) Bromomethane	1.62	94	75931	33.450	ug/L 99
8) Chloroethane	1.69	64	112112	49.035	ug/L 97
9) Trichlorofluoromethane	1.87	101	226761	49.337	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	129779	50.040	ug/L 99
12) 1,1-Dichloroethene	2.27	96	127316	51.135	ug/L 98
13) Acetone	2.31	43	193858	79.820	ug/L 100
14) Carbon disulfide	2.46	76	402088	48.919	ug/L 99
15) Methyl Acetate	2.60	43	184976	50.324	ug/L 99
16) Methylene chloride	2.69	84	156586	49.594	ug/L 98
17) trans-1,2-Dichloroethene	2.96	96	141030	50.632	ug/L 99
18) Methyl tert-butyl Ether	2.98	73	472524	50.415	ug/L 100
19) 1,1-Dichloroethane	3.42	63	281818	50.015	ug/L 100
20) cis-1,2-Dichloroethene	4.20	96	160724	51.259	ug/L 99
22) 2-Butanone	4.24	43	269750	94.402	ug/L 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.52	128	79162	50.552	ug/L	99
25) Chloroform	4.65	83	279725	48.806	ug/L	97
27) 1,2-Dichloroethane	5.38	62	230358	50.507	ug/L	100
29) Cyclohexane	4.97	56	252397	49.700	ug/L	100
30) 1,1,1-Trichloroethane	4.89	97	229006	50.250	ug/L	100
31) Carbon tetrachloride	5.11	117	200698	50.525	ug/L	98
33) Benzene	5.37	78	625062	50.911	ug/L	100
34) Trichloroethene	6.16	95	154963	50.088	ug/L	98
35) Methylcyclohexane	6.39	83	245552	48.892	ug/L	99
37) 1,2-Dichloropropane	6.41	63	171542	50.131	ug/L	100
38) Bromodichloromethane	6.73	83	207896	50.049	ug/L	99
39) cis-1,3-Dichloropropene	7.25	75	255448	49.271	ug/L	99
40) 4-Methyl-2-pentanone	7.44	43	531789	100.328	ug/L	100
42) Toluene	7.61	91	669378	50.724	ug/L	99
44) trans-1,3-Dichloropropene	7.86	75	230369	50.691	ug/L	99
45) 1,1,2-Trichloroethane	8.05	97	150286	49.948	ug/L	99
46) Tetrachloroethene	8.21	164	119581	48.724	ug/L	98
48) 2-Hexanone	8.34	43	408294	101.073	ug/L	97
49) Dibromochloromethane	8.45	129	165275	50.736	ug/L	97
50) 1,2-Dibromoethane	8.56	107	165457	51.160	ug/L	95
51) Chlorobenzene	9.10	112	420657	49.922	ug/L	99
52) Ethylbenzene	9.23	91	737238	50.323	ug/L	99
53) m,p-Xylene	9.35	106	272408	50.205	ug/L	100
54) o-xylene	9.76	106	272832	51.129	ug/L	97
55) Styrene	9.77	104	463036	51.738	ug/L	99
56) Isopropylbenzene	10.14	105	711402	50.645	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.43	83	277406	50.528	ug/L	99
59) 1,2,3-Trichloropropane	10.47	75	221700	50.115	ug/L	100
61) Bromoform	9.94	173	121679	49.623	ug/L	99
62) 1,3-Dichlorobenzene	11.39	146	319311	50.747	ug/L	99
63) 1,4-Dichlorobenzene	11.48	146	308539	49.058	ug/L	99
65) 1,2-Dichlorobenzene	11.86	146	318544	50.452	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.63	75	55373	50.282	ug/L	98
67) 1,3,5-Trichlorobenzene	12.86	180	218902	51.861	ug/L	98
68) 1,2,4-trichlorobenzene	13.48	180	176130	54.894	ug/L	100
69) Naphthalene	13.72	128	518659	53.287	ug/L	99
70) 1,2,3-Trichlorobenzene	13.96	180	180966	53.457	ug/L	99

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

