

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU060819\
 Data File : VU032541.D
 Acq On : 08 Jun 2019 14:27
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05038

Quant Time: Jun 08 23:10:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jun 07 23:50:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	217144	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	202427	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	109493	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	58613	41.60	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	83.20%
7) Chloroethane-d5	1.67	69	49454	43.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.36%
11) 1,1-Dichloroethene-d2	2.27	63	124526	45.14	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.28%
21) 2-Butanone-d5	4.17	46	118427	100.45	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.45%
24) Chloroform-d	4.64	84	128004	48.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.44%
26) 1,2-Dichloroethane-d4	5.30	65	79437	47.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.98%
32) Benzene-d6	5.33	84	245251	46.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.34%
36) 1,2-Dichloropropane-d6	6.32	67	80452	48.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.64%
41) Toluene-d8	7.56	98	230722	46.30	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.60%
43) trans-1,3-Dichloropropene-	7.84	79	41082	52.10	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	104.20%
47) 2-Hexanone-d5	8.31	63	82644	103.40	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.40%
57) 1,1,2,2-Tetrachloroethane-	10.42	84	118474	49.62	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.24%
64) 1,2-Dichlorobenzene-d4	11.86	152	100511	47.93	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.86%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	98180	50.153	ug/L 100
3) Chloromethane	1.32	50	88333	46.697	ug/L 99
5) Vinyl chloride	1.40	62	91323	48.330	ug/L 99
6) Bromomethane	1.62	94	47289	41.996	ug/L 98
8) Chloroethane	1.69	64	52231	46.503	ug/L 99
9) Trichlorofluoromethane	1.88	101	125008	48.993	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	69307	52.229	ug/L 98
12) 1,1-Dichloroethene	2.28	96	64842	50.325	ug/L 90
13) Acetone	2.32	43	128443	105.586	ug/L 100
14) Carbon disulfide	2.47	76	198029	50.583	ug/L 99
15) Methyl Acetate	2.61	43	87426	50.336	ug/L 98
16) Methylene chloride	2.69	84	73541	50.021	ug/L 96
17) trans-1,2-Dichloroethene	2.98	96	70452	50.458	ug/L 96
18) Methyl tert-butyl Ether	2.99	73	235697	51.383	ug/L 100
19) 1,1-Dichloroethane	3.44	63	131002	51.467	ug/L 99
20) cis-1,2-Dichloroethene	4.22	96	80061	50.666	ug/L 98
22) 2-Butanone	4.25	43	152079	105.776	ug/L 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	41115	50.042	ug/L	94
25) Chloroform	4.67	83	132876	50.588	ug/L	98
27) 1,2-Dichloroethane	5.40	62	105790	50.947	ug/L	99
29) Cyclohexane	4.99	56	123291	51.206	ug/L	99
30) 1,1,1-Trichloroethane	4.91	97	119551	52.170	ug/L	99
31) Carbon tetrachloride	5.13	117	111038	52.868	ug/L	100
33) Benzene	5.38	78	291920	51.326	ug/L	100
34) Trichloroethene	6.18	95	79472	51.359	ug/L	98
35) Methylcyclohexane	6.41	83	129940	51.872	ug/L	100
37) 1,2-Dichloropropane	6.42	63	79341	52.624	ug/L	100
38) Bromodichloromethane	6.75	83	102593	52.846	ug/L	99
39) cis-1,3-Dichloropropene	7.26	75	125167	52.618	ug/L	99
40) 4-Methyl-2-pentanone	7.45	43	248628	102.505	ug/L	99
42) Toluene	7.63	91	318949	51.205	ug/L	98
44) trans-1,3-Dichloropropene	7.87	75	113844	53.919	ug/L	100
45) 1,1,2-Trichloroethane	8.06	97	73021	51.216	ug/L	99
46) Tetrachloroethene	8.22	164	66524	52.053	ug/L	98
48) 2-Hexanone	8.36	43	205790	103.298	ug/L	99
49) Dibromochloromethane	8.47	129	88243	53.249	ug/L	100
50) 1,2-Dibromoethane	8.58	107	83527	52.048	ug/L	98
51) Chlorobenzene	9.11	112	205207	51.135	ug/L	99
52) Ethylbenzene	9.24	91	356540	51.353	ug/L	100
53) m,p-Xylene	9.37	106	133366	50.516	ug/L	97
54) o-xylene	9.77	106	132954	50.721	ug/L	100
55) Styrene	9.79	104	226118	51.671	ug/L	98
56) Isopropylbenzene	10.16	105	354639	51.307	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.45	83	122229	50.160	ug/L	100
59) 1,2,3-Trichloropropane	10.49	75	99059	50.541	ug/L	100
61) Bromoform	9.95	173	70414	53.939	ug/L	98
62) 1,3-Dichlorobenzene	11.41	146	169764	51.248	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	169472	50.041	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	169097	50.490	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.65	75	30952	54.930	ug/L	99
67) 1,3,5-Trichlorobenzene	12.88	180	142910	55.450	ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	128499	58.852	ug/L	98
69) Naphthalene	13.74	128	388931	56.473	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	133939	58.943	ug/L	99

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

