

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU052819\
 Data File : VU032344.D
 Acq On : 28 May 2019 22:31
 Operator : JC/SP
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05053

Quant Time: May 29 05:32:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052819WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed May 29 05:27:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	808294	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	784978	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	393101	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	258420	43.37	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	86.74%
7) Chloroethane-d5	1.67	69	213760	44.43	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.86%
11) 1,1-Dichloroethene-d2	2.27	63	474004	44.78	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.56%
21) 2-Butanone-d5	4.17	46	378757	96.60	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	96.60%
24) Chloroform-d	4.64	84	480915	46.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.24%
26) 1,2-Dichloroethane-d4	5.30	65	285370	46.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.48%
32) Benzene-d6	5.33	84	989250	48.05	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.10%
36) 1,2-Dichloropropane-d6	6.32	67	300992	47.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.20%
41) Toluene-d8	7.56	98	918268	47.80	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.60%
43) trans-1,3-Dichloropropene-	7.85	79	142216	48.59	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.18%
47) 2-Hexanone-d5	8.31	63	260861	97.29	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	97.29%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	462838	47.40	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.80%
64) 1,2-Dichlorobenzene-d4	11.85	152	374775	46.75	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.50%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	303786	48.440	ug/L 99
3) Chloromethane	1.32	50	310280	46.689	ug/L 99
5) Vinyl chloride	1.40	62	318429	46.983	ug/L 97
6) Bromomethane	1.61	94	208888	48.195	ug/L 99
8) Chloroethane	1.69	64	195879	47.787	ug/L 98
9) Trichlorofluoromethane	1.88	101	416968	49.052	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	243637	47.491	ug/L 98
12) 1,1-Dichloroethene	2.28	96	252589	48.277	ug/L 94
13) Acetone	2.32	43	275782	74.632	ug/L 100
14) Carbon disulfide	2.47	76	730353	46.521	ug/L 99
15) Methyl Acetate	2.61	43	283546	48.016	ug/L 100
16) Methylene chloride	2.69	84	295846	48.509	ug/L 98
17) trans-1,2-Dichloroethene	2.98	96	263500	48.887	ug/L 97
18) Methyl tert-butyl Ether	3.00	73	815576	49.977	ug/L 99
19) 1,1-Dichloroethane	3.44	63	477890	48.812	ug/L 98
20) cis-1,2-Dichloroethene	4.22	96	298810	49.458	ug/L 99
22) 2-Butanone	4.26	43	419054	94.162	ug/L 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	155160	48.673	ug/L	97
25) Chloroform	4.67	83	497673	48.871	ug/L	98
27) 1,2-Dichloroethane	5.40	62	375943	49.598	ug/L	100
29) Cyclohexane	4.99	56	414807	51.741	ug/L	99
30) 1,1,1-Trichloroethane	4.91	97	416507	50.654	ug/L	99
31) Carbon tetrachloride	5.13	117	364372	51.750	ug/L	98
33) Benzene	5.38	78	1120362	51.001	ug/L	100
34) Trichloroethene	6.18	95	290627	51.207	ug/L	97
35) Methylcyclohexane	6.41	83	434901	50.433	ug/L	99
37) 1,2-Dichloropropane	6.43	63	288840	50.341	ug/L	99
38) Bromodichloromethane	6.75	83	370870	50.297	ug/L	98
39) cis-1,3-Dichloropropene	7.26	75	432747	51.029	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	779649	104.175	ug/L	99
42) Toluene	7.63	91	1232805	51.547	ug/L	100
44) trans-1,3-Dichloropropene	7.87	75	380887	51.282	ug/L	97
45) 1,1,2-Trichloroethane	8.06	97	290797	51.835	ug/L	98
46) Tetrachloroethene	8.22	164	232401	50.403	ug/L	98
48) 2-Hexanone	8.36	43	626636	102.636	ug/L	99
49) Dibromochloromethane	8.47	129	307577	50.619	ug/L	96
50) 1,2-Dibromoethane	8.58	107	307517	51.965	ug/L	97
51) Chlorobenzene	9.12	112	766940	49.737	ug/L	99
52) Ethylbenzene	9.24	91	1333188	52.216	ug/L	99
53) m,p-Xylene	9.37	106	521725	53.111	ug/L	98
54) o-xylene	9.77	106	515750	52.311	ug/L	97
55) Styrene	9.79	104	895370	54.133	ug/L	98
56) Isopropylbenzene	10.16	105	1324592	52.946	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.45	83	482538	49.813	ug/L	98
59) 1,2,3-Trichloropropane	10.49	75	377291	49.571	ug/L	100
61) Bromoform	9.95	173	238789	47.691	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	607858	50.477	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	621216	49.980	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	633545	49.976	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	104389	50.255	ug/L	94
67) 1,3,5-Trichlorobenzene	12.88	180	461991	51.430	ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	379772	55.016	ug/L	98
69) Naphthalene	13.74	128	1222550	59.156	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	416868	55.833	ug/L	97

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

