

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU032319\
 Data File : VU030336.D
 Acq On : 23 Mar 2019 12:49
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD

Quant Time: Mar 23 13:23:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031919WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Mar 23 04:35:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	417967	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	405456	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	192518	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	156560	55.40	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	110.80%
7) Chloroethane-d5	1.68	69	127840	56.57	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	113.14%
11) 1,1-Dichloroethene-d2	2.27	63	307096	59.56	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	119.12%
21) 2-Butanone-d5	4.17	46	312522	149.05	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	149.05%#
24) Chloroform-d	4.64	84	287701	55.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	110.94%
26) 1,2-Dichloroethane-d4	5.31	65	182882	61.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	123.64%
32) Benzene-d6	5.34	84	559533	52.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.74%
36) 1,2-Dichloropropane-d6	6.33	67	197883	59.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	119.72%
41) Toluene-d8	7.56	98	502478	50.02	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.04%
43) trans-1,3-Dichloropropene-	7.85	79	92086	57.20	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	114.40%
47) 2-Hexanone-d5	8.31	63	210252	122.64	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	122.64%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	280639	55.34	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	110.68%
64) 1,2-Dichlorobenzene-d4	11.86	152	184182	47.65	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.30%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.21	85	202218	57.144 ug/L	98
3) Chloromethane	1.33	50	231592	67.611 ug/L	98
5) Vinyl chloride	1.40	62	229450	63.102 ug/L	100
6) Bromomethane	1.62	94	100358	51.001 ug/L	98
8) Chloroethane	1.70	64	131713	61.266 ug/L	96
9) Trichlorofluoromethane	1.88	101	263236	57.006 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	153413	54.637 ug/L	91
12) 1,1-Dichloroethene	2.28	96	145204	52.072 ug/L	79
13) Acetone	2.32	43	316570	144.493 ug/L	91
14) Carbon disulfide	2.48	76	458148	55.009 ug/L	99
15) Methyl Acetate	2.61	43	232795	73.068 ug/L #	88
16) Methylene chloride	2.70	84	172799	54.639 ug/L	81
17) trans-1,2-Dichloroethene	2.98	96	152135	51.770 ug/L	83
18) Methyl tert-butyl Ether	3.00	73	512496	60.627 ug/L #	93
19) 1,1-Dichloroethane	3.44	63	319812	63.272 ug/L	98
20) cis-1,2-Dichloroethene	4.22	96	173796	53.979 ug/L	76
22) 2-Butanone	4.26	43	388920	151.040 ug/L	86

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	4.55	128	80722	46.844	ug/L #	68
25) Chloroform	4.67	83	303885	57.708	ug/L	97
27) 1,2-Dichloroethane	5.40	62	241385	64.673	ug/L	95
29) Cyclohexane	4.99	56	311529	70.714	ug/L	85
30) 1,1,1-Trichloroethane	4.91	97	243723	55.776	ug/L	95
31) Carbon tetrachloride	5.13	117	208288	53.844	ug/L	100
33) Benzene	5.39	78	693774	59.307	ug/L	100
34) Trichloroethene	6.18	95	169119	54.851	ug/L	91
35) Methylcyclohexane	6.41	83	287282	59.419	ug/L #	87
37) 1,2-Dichloropropane	6.43	63	192895	64.385	ug/L	98
38) Bromodichloromethane	6.75	83	234981	61.003	ug/L	99
39) cis-1,3-Dichloropropene	7.26	75	290983	60.537	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	618360	150.180	ug/L #	92
42) Toluene	7.63	91	726183	57.034	ug/L	98
44) trans-1,3-Dichloropropene	7.87	75	253627	60.978	ug/L	99
45) 1,1,2-Trichloroethane	8.06	97	164928	53.630	ug/L	94
46) Tetrachloroethene	8.22	164	121222	46.533	ug/L	97
48) 2-Hexanone	8.36	43	507341	148.456	ug/L #	90
49) Dibromochloromethane	8.47	129	171463	49.720	ug/L	94
50) 1,2-Dibromoethane	8.58	107	177730	52.127	ug/L	98
51) Chlorobenzene	9.12	112	433594	51.473	ug/L	91
52) Ethylbenzene	9.25	91	791292	57.226	ug/L	95
53) m,p-Xylene	9.37	106	282626	53.052	ug/L	91
54) o-xylene	9.77	106	280559	53.574	ug/L	88
55) Styrene	9.79	104	487354	54.926	ug/L	89
56) Isopropylbenzene	10.16	105	738928	54.577	ug/L	96
58) 1,1,2,2-Tetrachloroethane	10.45	83	294523	56.164	ug/L	98
59) 1,2,3-Trichloropropane	10.49	75	228959	56.545	ug/L	100
61) Bromoform	9.95	173	129831	52.222	ug/L	98
62) 1,3-Dichlorobenzene	11.41	146	316531	51.534	ug/L	96
63) 1,4-Dichlorobenzene	11.50	146	324367	50.912	ug/L	97
65) 1,2-Dichlorobenzene	11.87	146	319413	50.899	ug/L	95
66) 1,2-Dibromo-3-chloropropan	12.65	75	66489	63.371	ug/L #	77
67) 1,3,5-Trichlorobenzene	12.88	180	243046	50.631	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	207451	48.869	ug/L	99
69) Naphthalene	13.74	128	647576	48.082	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	215688	48.695	ug/L	99

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

