

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U111319\
 Data File : VU035705.D
 Acq On : 13 Nov 2019 15:40
 Operator : JC/SP
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05046

Quant Time: Nov 14 07:42:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM103119WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Nov 14 07:39:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	763082	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	750023	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	360080	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	237941	38.61	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	77.22%
7) Chloroethane-d5	1.93	69	201803	41.00	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	82.00%
11) 1,1-Dichloroethene-d2	2.59	63	408106	42.58	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.16%
21) 2-Butanone-d5	4.69	46	334199	92.83	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	92.83%
24) Chloroform-d	5.11	84	416527	43.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.52%
26) 1,2-Dichloroethane-d4	5.75	65	247280	42.41	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.82%
32) Benzene-d6	5.77	84	854950	43.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.46%
36) 1,2-Dichloropropane-d6	6.73	67	274559	43.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	86.62%
41) Toluene-d8	7.93	98	813592	44.12	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.24%
43) trans-1,3-Dichloropropene-	8.21	79	132411	45.34	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.68%
47) 2-Hexanone-d5	8.67	63	245894	101.19	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	101.19%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	406640	45.10	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	90.20%
64) 1,2-Dichlorobenzene-d4	12.22	152	309409	42.60	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.20%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.40	85	287547	48.319	ug/L	100
3) Chloromethane	1.54	50	331395	51.096	ug/L	99
5) Vinyl chloride	1.62	62	348503	49.940	ug/L	99
6) Bromomethane	1.87	94	198361	56.119	ug/L	97
8) Chloroethane	1.95	64	207740	51.183	ug/L	98
9) Trichlorofluoromethane	2.16	101	435494	52.682	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	255854	53.913	ug/L	99
12) 1,1-Dichloroethene	2.61	96	242802	52.088	ug/L	95
13) Acetone	2.66	43	395401	124.833	ug/L	99
14) Carbon disulfide	2.82	76	715114	49.795	ug/L	99
15) Methyl Acetate	2.99	43	300933	52.455	ug/L	98
16) Methylene chloride	3.08	84	290440	51.065	ug/L	97
17) trans-1,2-Dichloroethene	3.39	96	256088	52.169	ug/L	99
18) Methyl tert-butyl Ether	3.42	73	793841	53.489	ug/L	99
19) 1,1-Dichloroethane	3.92	63	488043	51.540	ug/L	98
20) cis-1,2-Dichloroethene	4.72	96	288446	52.097	ug/L	97
22) 2-Butanone	4.77	43	487052	116.486	ug/L	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	157225	53.738	ug/L	95
25) Chloroform	5.14	83	500371	52.030	ug/L	100
27) 1,2-Dichloroethane	5.84	62	359181	51.122	ug/L	100
29) Cyclohexane	5.43	56	410683	53.683	ug/L	98
30) 1,1,1-Trichloroethane	5.36	97	412465	52.322	ug/L	99
31) Carbon tetrachloride	5.57	117	374532	53.433	ug/L	98
33) Benzene	5.82	78	1112069	52.757	ug/L	100
34) Trichloroethene	6.58	95	277440	51.773	ug/L	98
35) Methylcyclohexane	6.80	83	423216	54.378	ug/L	98
37) 1,2-Dichloropropane	6.83	63	297624	52.726	ug/L	100
38) Bromodichloromethane	7.14	83	372945	51.979	ug/L	100
39) cis-1,3-Dichloropropene	7.65	75	459509	54.767	ug/L	99
40) 4-Methyl-2-pentanone	7.84	43	796740	105.505	ug/L	99
42) Toluene	8.00	91	1212159	54.868	ug/L	100
44) trans-1,3-Dichloropropene	8.24	75	419045	54.486	ug/L	99
45) 1,1,2-Trichloroethane	8.44	97	282695	52.249	ug/L	99
46) Tetrachloroethene	8.58	164	246216	54.949	ug/L	98
48) 2-Hexanone	8.73	43	659366	107.370	ug/L	96
49) Dibromochloromethane	8.84	129	327783	53.722	ug/L	98
50) 1,2-Dibromoethane	8.96	107	304923	52.823	ug/L	97
51) Chlorobenzene	9.48	112	786346	53.317	ug/L	99
52) Ethylbenzene	9.60	91	1293326	54.760	ug/L	98
53) m,p-Xylene	9.72	106	508055	57.327	ug/L	97
54) o-xylene	10.13	106	492176	56.820	ug/L	99
55) Styrene	10.14	104	823311	57.273	ug/L	97
56) Isopropylbenzene	10.51	105	1236651	56.813	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.81	83	482970	51.824	ug/L	98
59) 1,2,3-Trichloropropane	10.85	75	380817	51.740	ug/L	99
61) Bromoform	10.32	173	260889	47.492	ug/L	100
62) 1,3-Dichlorobenzene	11.77	146	572128	50.366	ug/L	99
63) 1,4-Dichlorobenzene	11.86	146	565807	49.031	ug/L	98
65) 1,2-Dichlorobenzene	12.24	146	570749	49.354	ug/L	98
66) 1,2-Dibromo-3-chloropropan	13.02	75	85214	47.525	ug/L	97
67) 1,3,5-Trichlorobenzene	13.24	180	331316	50.486	ug/L	100
68) 1,2,4-trichlorobenzene	13.86	180	191432	43.546	ug/L	99
69) Naphthalene	14.11	128	447044	39.647	ug/L	99
70) 1,2,3-Trichlorobenzene	14.35	180	205508	43.388	ug/L	97

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

