

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U111219\
 Data File : VU035699.D
 Acq On : 12 Nov 2019 16:39
 Operator : JC/SP
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05044

Quant Time: Nov 13 00:46:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM103119WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Nov 13 00:43:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	677345	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	659563	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	306390	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	216657	39.60	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	79.20%
7) Chloroethane-d5	1.93	69	192573	44.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.16%
11) 1,1-Dichloroethene-d2	2.60	63	374196	43.98	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.96%
21) 2-Butanone-d5	4.69	46	334984	104.83	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.83%
24) Chloroform-d	5.11	84	416672	49.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.64%
26) 1,2-Dichloroethane-d4	5.75	65	246054	47.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.08%
32) Benzene-d6	5.77	84	833116	48.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.92%
36) 1,2-Dichloropropane-d6	6.73	67	274978	49.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.64%
41) Toluene-d8	7.93	98	783048	48.29	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.58%
43) trans-1,3-Dichloropropene-	8.21	79	127963	49.83	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.66%
47) 2-Hexanone-d5	8.68	63	229789	107.54	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	107.54%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	409286	51.62	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	103.24%
64) 1,2-Dichlorobenzene-d4	12.22	152	299833	48.52	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.04%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.40	85	256758	48.606	ug/L	100
3) Chloromethane	1.54	50	285354	49.567	ug/L	98
5) Vinyl chloride	1.62	62	311100	50.223	ug/L	99
6) Bromomethane	1.87	94	174919	55.751	ug/L	96
8) Chloroethane	1.95	64	183810	51.019	ug/L	99
9) Trichlorofluoromethane	2.16	101	380533	51.860	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	222356	52.785	ug/L	99
12) 1,1-Dichloroethene	2.61	96	213976	51.715	ug/L	97
13) Acetone	2.67	43	293688	104.458	ug/L	98
14) Carbon disulfide	2.83	76	636847	49.958	ug/L	100
15) Methyl Acetate	2.99	43	259127	50.885	ug/L	98
16) Methylene chloride	3.09	84	260036	51.507	ug/L	97
17) trans-1,2-Dichloroethene	3.39	96	226829	52.058	ug/L	98
18) Methyl tert-butyl Ether	3.42	73	702507	53.327	ug/L	99
19) 1,1-Dichloroethane	3.92	63	428621	50.995	ug/L	99
20) cis-1,2-Dichloroethene	4.72	96	257660	52.427	ug/L	96
22) 2-Butanone	4.77	43	396149	106.737	ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.03	128	139078	53.553	ug/L	94
25) Chloroform	5.14	83	441830	51.758	ug/L	99
27) 1,2-Dichloroethane	5.84	62	312038	50.034	ug/L	100
29) Cyclohexane	5.43	56	363945	54.099	ug/L	98
30) 1,1,1-Trichloroethane	5.37	97	362429	52.281	ug/L	99
31) Carbon tetrachloride	5.57	117	328023	53.216	ug/L	99
33) Benzene	5.82	78	987423	53.269	ug/L	100
34) Trichloroethene	6.58	95	245208	52.034	ug/L	99
35) Methylcyclohexane	6.80	83	366354	53.528	ug/L	98
37) 1,2-Dichloropropane	6.84	63	259319	52.240	ug/L	100
38) Bromodichloromethane	7.15	83	326322	51.718	ug/L	99
39) cis-1,3-Dichloropropene	7.65	75	386560	52.391	ug/L	99
40) 4-Methyl-2-pentanone	7.84	43	660874	99.516	ug/L	98
42) Toluene	8.01	91	1080293	55.605	ug/L	99
44) trans-1,3-Dichloropropene	8.25	75	362583	53.610	ug/L	98
45) 1,1,2-Trichloroethane	8.44	97	255434	53.686	ug/L	99
46) Tetrachloroethene	8.58	164	215107	54.590	ug/L	98
48) 2-Hexanone	8.73	43	545640	101.037	ug/L	95
49) Dibromochloromethane	8.84	129	285301	53.172	ug/L	98
50) 1,2-Dibromoethane	8.96	107	266931	52.583	ug/L	99
51) Chlorobenzene	9.48	112	686021	52.894	ug/L	100
52) Ethylbenzene	9.60	91	1125463	54.188	ug/L	99
53) m,p-Xylene	9.72	106	437309	56.112	ug/L	98
54) o-xylene	10.13	106	430067	56.459	ug/L	99
55) Styrene	10.14	104	708000	56.006	ug/L	99
56) Isopropylbenzene	10.51	105	1073786	56.096	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.81	83	422361	51.536	ug/L	99
59) 1,2,3-Trichloropropane	10.85	75	334275	51.645	ug/L	99
61) Bromoform	10.32	173	224798	48.093	ug/L	99
62) 1,3-Dichlorobenzene	11.77	146	478779	49.534	ug/L	98
63) 1,4-Dichlorobenzene	11.86	146	473523	48.225	ug/L	99
65) 1,2-Dichlorobenzene	12.24	146	478803	48.658	ug/L	98
66) 1,2-Dibromo-3-chloropropan	13.02	75	69040	45.252	ug/L	95
67) 1,3,5-Trichlorobenzene	13.24	180	258603	46.311	ug/L	100
68) 1,2,4-trichlorobenzene	13.86	180	137235	36.688	ug/L	99
69) Naphthalene	14.11	128	315527	32.886	ug/L	99
70) 1,2,3-Trichlorobenzene	14.35	180	148365	36.812	ug/L	99

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

