

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U110719\
 Data File : VU035681.D
 Acq On : 07 Nov 2019 23:36
 Operator : JC/SP
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05040

Quant Time: Nov 08 06:17:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM103119WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Nov 08 06:13:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	696868	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	684894	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	314634	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	253084	44.97	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	89.94%
7) Chloroethane-d5	1.93	69	209745	46.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.32%
11) 1,1-Dichloroethene-d2	2.60	63	408146	46.63	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.26%
21) 2-Butanone-d5	4.69	46	329478	100.22	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.22%
24) Chloroform-d	5.11	84	423931	48.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.54%
26) 1,2-Dichloroethane-d4	5.75	65	255046	47.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.80%
32) Benzene-d6	5.77	84	874428	48.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.96%
36) 1,2-Dichloropropane-d6	6.73	67	281849	48.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.36%
41) Toluene-d8	7.93	98	824479	48.96	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.92%
43) trans-1,3-Dichloropropene-	8.21	79	126366	47.38	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.76%
47) 2-Hexanone-d5	8.68	63	236480	106.57	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	106.57%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	411403	49.97	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.94%
64) 1,2-Dichlorobenzene-d4	12.22	152	300758	47.39	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.78%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.40	85	263219	48.433	ug/L	100
3) Chloromethane	1.54	50	298842	50.455	ug/L	100
5) Vinyl chloride	1.62	62	316481	49.660	ug/L	98
6) Bromomethane	1.87	94	176793	54.769	ug/L	97
8) Chloroethane	1.95	64	184058	49.657	ug/L	100
9) Trichlorofluoromethane	2.16	101	383623	50.817	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	220359	50.845	ug/L	99
12) 1,1-Dichloroethene	2.61	96	213100	50.060	ug/L	98
13) Acetone	2.67	43	233645	80.774	ug/L	99
14) Carbon disulfide	2.83	76	650155	49.573	ug/L	99
15) Methyl Acetate	2.99	43	261142	49.844	ug/L	99
16) Methylene chloride	3.09	84	256820	49.445	ug/L	98
17) trans-1,2-Dichloroethene	3.39	96	225718	50.351	ug/L	99
18) Methyl tert-butyl Ether	3.42	73	692587	51.101	ug/L	99
19) 1,1-Dichloroethane	3.92	63	433617	50.144	ug/L	99
20) cis-1,2-Dichloroethene	4.72	96	261277	51.674	ug/L	96
22) 2-Butanone	4.77	43	369436	96.751	ug/L	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	140715	52.665	ug/L	95
25) Chloroform	5.14	83	441502	50.271	ug/L	100
27) 1,2-Dichloroethane	5.84	62	320702	49.982	ug/L	100
29) Cyclohexane	5.43	56	359600	51.476	ug/L	98
30) 1,1,1-Trichloroethane	5.37	97	368166	51.144	ug/L	99
31) Carbon tetrachloride	5.57	117	323984	50.616	ug/L	100
33) Benzene	5.82	78	989645	51.414	ug/L	100
34) Trichloroethene	6.58	95	244528	49.970	ug/L	98
35) Methylcyclohexane	6.80	83	359073	50.524	ug/L	99
37) 1,2-Dichloropropane	6.83	63	262805	50.985	ug/L	100
38) Bromodichloromethane	7.15	83	323695	49.405	ug/L	98
39) cis-1,3-Dichloropropene	7.65	75	391386	51.083	ug/L	99
40) 4-Methyl-2-pentanone	7.84	43	670564	97.240	ug/L	97
42) Toluene	8.01	91	1072273	53.151	ug/L	100
44) trans-1,3-Dichloropropene	8.25	75	346864	49.389	ug/L	98
45) 1,1,2-Trichloroethane	8.44	97	250545	50.711	ug/L	100
46) Tetrachloroethene	8.58	164	209451	51.189	ug/L	98
48) 2-Hexanone	8.73	43	547226	97.583	ug/L	95
49) Dibromochloromethane	8.84	129	282940	50.782	ug/L	96
50) 1,2-Dibromoethane	8.96	107	269316	51.091	ug/L	99
51) Chlorobenzene	9.48	112	686489	50.972	ug/L	98
52) Ethylbenzene	9.60	91	1115970	51.744	ug/L	98
53) m,p-Xylene	9.72	106	438049	54.128	ug/L	94
54) o-xylene	10.13	106	422498	53.414	ug/L	97
55) Styrene	10.14	104	699756	53.307	ug/L	98
56) Isopropylbenzene	10.51	105	1060905	53.374	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.81	83	427013	50.177	ug/L	98
59) 1,2,3-Trichloropropane	10.85	75	337042	50.147	ug/L	100
61) Bromoform	10.32	173	223106	46.480	ug/L	99
62) 1,3-Dichlorobenzene	11.77	146	478444	48.203	ug/L	99
63) 1,4-Dichlorobenzene	11.86	146	469689	46.581	ug/L	98
65) 1,2-Dichlorobenzene	12.24	146	480064	47.508	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	71258	45.482	ug/L	100
67) 1,3,5-Trichlorobenzene	13.24	180	255740	44.598	ug/L	100
68) 1,2,4-trichlorobenzene	13.86	180	140768	36.647	ug/L	99
69) Naphthalene	14.11	128	317899	32.266	ug/L	99
70) 1,2,3-Trichlorobenzene	14.35	180	154390	37.303	ug/L	98

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

