

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072519\
 Data File : VU033412.D
 Acq On : 25 Jul 2019 16:22
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05056

Quant Time: Jul 26 04:38:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071219WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jul 26 04:32:42 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	273866	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	282370	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	142804	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	103590	49.97	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	99.94%
7) Chloroethane-d5	1.67	69	98606	55.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	111.36%
11) 1,1-Dichloroethene-d2	2.26	63	196283	52.20	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	104.40%
21) 2-Butanone-d5	4.15	46	151226	115.12	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	115.12%
24) Chloroform-d	4.62	84	196659	56.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	113.20%
26) 1,2-Dichloroethane-d4	5.29	65	124388	55.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	111.64%
32) Benzene-d6	5.32	84	375274	54.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	108.36%
36) 1,2-Dichloropropane-d6	6.31	67	121022	54.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	109.08%
41) Toluene-d8	7.55	98	351649	53.83	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	107.66%
43) trans-1,3-Dichloropropene-	7.83	79	57105	52.48	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	104.96%
47) 2-Hexanone-d5	8.30	63	107577	107.54	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	107.54%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	189434	56.40	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	112.80%
64) 1,2-Dichlorobenzene-d4	11.85	152	140526	55.18	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	110.36%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.20	85	136036	50.124	ug/L	100
3) Chloromethane	1.32	50	128727	48.145	ug/L	99
5) Vinyl chloride	1.40	62	152640	49.391	ug/L	97
6) Bromomethane	1.61	94	95258	49.443	ug/L	99
8) Chloroethane	1.69	64	95915	51.312	ug/L	96
9) Trichlorofluoromethane	1.87	101	213479	52.532	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	98596	52.772	ug/L	98
12) 1,1-Dichloroethene	2.27	96	91012	49.789	ug/L	96
13) Acetone	2.31	43	141923	86.473	ug/L	99
14) Carbon disulfide	2.46	76	262882	47.022	ug/L	99
15) Methyl Acetate	2.60	43	103694	48.381	ug/L	98
16) Methylene chloride	2.68	84	106390	50.975	ug/L	94
17) trans-1,2-Dichloroethene	2.96	96	93101	49.279	ug/L	99
18) Methyl tert-butyl Ether	2.98	73	292203	50.108	ug/L	100
19) 1,1-Dichloroethane	3.42	63	182924	50.371	ug/L	98
20) cis-1,2-Dichloroethene	4.20	96	108541	50.935	ug/L	99
22) 2-Butanone	4.23	43	168475	92.404	ug/L	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072519\
 Data File : VU033412.D
 Acq On : 25 Jul 2019 16:22
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05056

Quant Time: Jul 26 04:38:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071219WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jul 26 04:32:42 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.52	128	57141	52.365	ug/L	97
25) Chloroform	4.65	83	196530	50.884	ug/L	99
27) 1,2-Dichloroethane	5.38	62	152407	50.958	ug/L	99
29) Cyclohexane	4.97	56	152875	49.685	ug/L	99
30) 1,1,1-Trichloroethane	4.89	97	164176	49.837	ug/L	99
31) Carbon tetrachloride	5.11	117	143896	49.914	ug/L	100
33) Benzene	5.37	78	410553	49.857	ug/L	100
34) Trichloroethene	6.16	95	107421	49.880	ug/L	99
35) Methylcyclohexane	6.40	83	165054	50.032	ug/L	99
37) 1,2-Dichloropropane	6.41	63	110839	49.632	ug/L	100
38) Bromodichloromethane	6.74	83	148587	51.580	ug/L	100
39) cis-1,3-Dichloropropene	7.25	75	166005	48.482	ug/L	98
40) 4-Methyl-2-pentanone	7.44	43	284194	94.863	ug/L	100
42) Toluene	7.62	91	462193	52.061	ug/L	100
44) trans-1,3-Dichloropropene	7.86	75	155489	50.354	ug/L	100
45) 1,1,2-Trichloroethane	8.05	97	108330	51.290	ug/L	98
46) Tetrachloroethene	8.21	164	84853	50.897	ug/L	98
48) 2-Hexanone	8.35	43	239510	98.134	ug/L	100
49) Dibromochloromethane	8.46	129	120633	51.201	ug/L	97
50) 1,2-Dibromoethane	8.57	107	114354	49.657	ug/L	98
51) Chlorobenzene	9.10	112	293756	50.694	ug/L	99
52) Ethylbenzene	9.23	91	495502	52.159	ug/L	98
53) m,p-Xylene	9.36	106	192067	53.377	ug/L	99
54) o-xylene	9.76	106	189116	52.930	ug/L	96
55) Styrene	9.77	104	317985	52.494	ug/L	96
56) Isopropylbenzene	10.15	105	484333	52.679	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.44	83	185829	50.089	ug/L	99
59) 1,2,3-Trichloropropane	10.48	75	144098	49.564	ug/L	99
61) Bromoform	9.94	173	87923	50.413	ug/L	97
62) 1,3-Dichlorobenzene	11.40	146	222335	50.578	ug/L	97
63) 1,4-Dichlorobenzene	11.49	146	230459	50.141	ug/L	99
65) 1,2-Dichlorobenzene	11.86	146	234109	51.929	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.64	75	40574	47.154	ug/L	96
67) 1,3,5-Trichlorobenzene	12.87	180	175380	55.205	ug/L	100
68) 1,2,4-trichlorobenzene	13.49	180	150127	54.102	ug/L	100
69) Naphthalene	13.73	128	473718	53.243	ug/L	100
70) 1,2,3-Trichlorobenzene	13.97	180	158865	52.734	ug/L	99

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

