

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU031119\
 Data File : VU029910.D
 Acq On : 09 Mar 2019 10:46
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05055

Quant Time: Mar 11 12:08:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031119WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Mar 11 07:10:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	488689	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	479362	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	253093	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	168098	56.38	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	112.76%
7) Chloroethane-d5	1.68	69	141348	56.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	112.78%
11) 1,1-Dichloroethene-d2	2.27	63	308310	54.86	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	109.72%
21) 2-Butanone-d5	4.17	46	246898	106.88	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	106.88%
24) Chloroform-d	4.64	84	318769	54.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	109.86%
26) 1,2-Dichloroethane-d4	5.31	65	182997	53.83	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.66%
32) Benzene-d6	5.34	84	662901	55.50	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	111.00%
36) 1,2-Dichloropropane-d6	6.32	67	198445	55.00	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	110.00%
41) Toluene-d8	7.56	98	630542	55.01	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	110.02%
43) trans-1,3-Dichloropropene-	7.85	79	94437	54.08	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	108.16%
47) 2-Hexanone-d5	8.31	63	210643	108.50	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	108.50%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	311079	54.61	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	109.22%
64) 1,2-Dichlorobenzene-d4	11.85	152	259732	52.32	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.64%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.20	85	162226	43.085	ug/L	100
3) Chloromethane	1.33	50	213533	43.288	ug/L	99
5) Vinyl chloride	1.40	62	179070	46.859	ug/L	99
6) Bromomethane	1.62	94	50540	49.885	ug/L	98
8) Chloroethane	1.69	64	114315	48.908	ug/L	99
9) Trichlorofluoromethane	1.88	101	257696	50.922	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	164216	52.725	ug/L	100
12) 1,1-Dichloroethene	2.28	96	151195	50.022	ug/L	94
13) Acetone	2.32	43	244895	97.187	ug/L	99
14) Carbon disulfide	2.48	76	417718	44.342	ug/L	100
15) Methyl Acetate	2.61	43	176670	50.783	ug/L	99
16) Methylene chloride	2.70	84	179900	50.765	ug/L	99
17) trans-1,2-Dichloroethene	2.98	96	161506	50.401	ug/L	100
18) Methyl tert-butyl Ether	2.99	73	368958	45.999	ug/L	99
19) 1,1-Dichloroethane	3.44	63	290920	52.651	ug/L	99
20) cis-1,2-Dichloroethene	4.22	96	185214	50.656	ug/L	98
22) 2-Butanone	4.25	43	289842	100.483	ug/L	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU031119\
 Data File : VU029910.D
 Acq On : 09 Mar 2019 10:46
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05055

Quant Time: Mar 11 12:08:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031119WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Mar 11 07:10:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	94577	51.455	ug/L	100
25) Chloroform	4.67	83	308291	51.851	ug/L	100
27) 1,2-Dichloroethane	5.40	62	221106	52.287	ug/L	99
29) Cyclohexane	4.99	56	247836	50.492	ug/L	100
30) 1,1,1-Trichloroethane	4.91	97	257702	53.371	ug/L	99
31) Carbon tetrachloride	5.13	117	225968	52.999	ug/L	100
33) Benzene	5.39	78	674703	52.689	ug/L	100
34) Trichloroethene	6.18	95	173032	50.138	ug/L	99
35) Methylcyclohexane	6.41	83	286112	51.955	ug/L	99
37) 1,2-Dichloropropane	6.43	63	177044	53.054	ug/L	100
38) Bromodichloromethane	6.75	83	224570	53.756	ug/L	99
39) cis-1,3-Dichloropropene	7.26	75	266271	52.430	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	464958	104.492	ug/L	99
42) Toluene	7.63	91	742794	53.064	ug/L	100
44) trans-1,3-Dichloropropene	7.87	75	247796	54.767	ug/L	100
45) 1,1,2-Trichloroethane	8.06	97	179674	53.041	ug/L	98
46) Tetrachloroethene	8.22	164	155717	52.391	ug/L	98
48) 2-Hexanone	8.36	43	387215	102.938	ug/L	100
49) Dibromochloromethane	8.47	129	194596	52.485	ug/L	99
50) 1,2-Dibromoethane	8.58	107	192423	52.705	ug/L	98
51) Chlorobenzene	9.12	112	491060	51.835	ug/L	99
52) Ethylbenzene	9.25	91	816874	52.760	ug/L	100
53) m,p-Xylene	9.37	106	318483	53.732	ug/L	98
54) o-xylene	9.77	106	311004	52.702	ug/L	97
55) Styrene	9.79	104	518325	54.140	ug/L	98
56) Isopropylbenzene	10.16	105	821981	53.786	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.45	83	309427	52.751	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	230292	52.062	ug/L	100
61) Bromoform	9.95	173	152929	51.895	ug/L	100
62) 1,3-Dichlorobenzene	11.41	146	399047	51.573	ug/L	98
63) 1,4-Dichlorobenzene	11.50	146	408506	51.559	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	414876	52.566	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.65	75	62878	50.833	ug/L	96
67) 1,3,5-Trichlorobenzene	12.88	180	308422	52.519	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	276832	52.841	ug/L	99
69) Naphthalene	13.74	128	825026	50.958	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	284575	51.731	ug/L	100

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

