

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU010720\
 Data File : VU036393.D
 Acq On : 07 Jan 2020 13:46
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05052

Quant Time: Jan 08 03:50:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122719WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jan 02 04:40:31 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	588948	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	575115	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	271270	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	188703	41.12	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	82.24%
7) Chloroethane-d5	1.93	69	171534	44.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.62%
11) 1,1-Dichloroethene-d2	2.59	63	383484	49.05	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.10%
21) 2-Butanone-d5	4.67	46	316679	92.67	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	92.67%
24) Chloroform-d	5.11	84	403526	50.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.76%
26) 1,2-Dichloroethane-d4	5.74	65	266816	50.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.48%
32) Benzene-d6	5.77	84	791174	49.41	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.82%
36) 1,2-Dichloropropane-d6	6.73	67	262187	48.83	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.66%
41) Toluene-d8	7.93	98	756200	49.20	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.40%
43) trans-1,3-Dichloropropene-	8.21	79	143404	49.22	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.44%
47) 2-Hexanone-d5	8.67	63	254941	92.05	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	92.05%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	392762	48.23	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.46%
64) 1,2-Dichlorobenzene-d4	12.21	152	273459	48.06	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.12%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	256210	54.467 ug/L	98
3) Chloromethane	1.54	50	229878	53.710 ug/L	99
5) Vinyl chloride	1.62	62	240019	48.317 ug/L	100
6) Bromomethane	1.87	94	140384	58.476 ug/L	96
8) Chloroethane	1.95	64	143106	47.879 ug/L	96
9) Trichlorofluoromethane	2.16	101	348700	49.929 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	200835	58.090 ug/L	99
12) 1,1-Dichloroethene	2.60	96	180836	53.061 ug/L	90
13) Acetone	2.66	43	334662	94.415 ug/L	100
14) Carbon disulfide	2.82	76	506588	48.035 ug/L	99
15) Methyl Acetate	2.98	43	255455	53.595 ug/L	99
16) Methylene chloride	3.08	84	222672	53.374 ug/L	98
17) trans-1,2-Dichloroethene	3.39	96	199599	54.249 ug/L	97
18) Methyl tert-butyl Ether	3.41	73	740946	55.436 ug/L	99
19) 1,1-Dichloroethane	3.92	63	410595	55.674 ug/L	97
20) cis-1,2-Dichloroethene	4.71	96	244338	54.903 ug/L	# 95
22) 2-Butanone	4.75	43	436240	104.180 ug/L	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU010720\
 Data File : VU036393.D
 Acq On : 07 Jan 2020 13:46
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05052

Quant Time: Jan 08 03:50:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122719WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jan 02 04:40:31 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	113024	52.904	ug/L	94
25) Chloroform	5.13	83	436121	55.499	ug/L	99
27) 1,2-Dichloroethane	5.83	62	341334	56.192	ug/L	100
29) Cyclohexane	5.43	56	357977	53.721	ug/L	98
30) 1,1,1-Trichloroethane	5.36	97	382357	54.244	ug/L	99
31) Carbon tetrachloride	5.56	117	330930	54.161	ug/L	100
33) Benzene	5.82	78	914579	54.135	ug/L	100
34) Trichloroethene	6.58	95	243999	56.022	ug/L	96
35) Methylcyclohexane	6.80	83	379200	54.546	ug/L	97
37) 1,2-Dichloropropane	6.83	63	250744	54.810	ug/L	100
38) Bromodichloromethane	7.14	83	351811	54.512	ug/L	100
39) cis-1,3-Dichloropropene	7.64	75	424906	55.482	ug/L	100
40) 4-Methyl-2-pentanone	7.83	43	808431	103.993	ug/L	99
42) Toluene	8.00	91	1007400	54.151	ug/L	98
44) trans-1,3-Dichloropropene	8.24	75	392322	54.988	ug/L	97
45) 1,1,2-Trichloroethane	8.43	97	242762	56.880	ug/L	96
46) Tetrachloroethene	8.58	164	167439	53.430	ug/L	96
48) 2-Hexanone	8.72	43	664364	111.068	ug/L	97
49) Dibromochloromethane	8.84	129	285730	54.541	ug/L	99
50) 1,2-Dibromoethane	8.95	107	266513	53.844	ug/L	99
51) Chlorobenzene	9.47	112	656491	55.909	ug/L	98
52) Ethylbenzene	9.60	91	1168569	55.190	ug/L	98
53) m,p-Xylene	9.72	106	435396	55.435	ug/L	98
54) o-xylene	10.13	106	427212	54.209	ug/L	94
55) Styrene	10.14	104	732201	54.949	ug/L	99
56) Isopropylbenzene	10.51	105	1139304	55.466	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.81	83	445974	55.281	ug/L	99
59) 1,2,3-Trichloropropane	10.85	75	347888	54.200	ug/L	99
61) Bromoform	10.32	173	203766	50.548	ug/L	99
62) 1,3-Dichlorobenzene	11.77	146	482192	55.006	ug/L	96
63) 1,4-Dichlorobenzene	11.86	146	483388	55.589	ug/L	98
65) 1,2-Dichlorobenzene	12.23	146	478939	54.530	ug/L	97
66) 1,2-Dibromo-3-chloropropan	13.02	75	100261	48.920	ug/L	92
67) 1,3,5-Trichlorobenzene	13.24	180	301233	51.748	ug/L	97
68) 1,2,4-trichlorobenzene	13.86	180	228901	51.886	ug/L	96
69) Naphthalene	14.10	128	773561	51.028	ug/L	100
70) 1,2,3-Trichlorobenzene	14.35	180	236854	51.123	ug/L	98

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

