

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU052820\
 Data File : VU038338.D
 Acq On : 28 May 2020 10:52
 Operator : JC/MD
 Sample : VSTD20033
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD20033

Quant Time: May 28 11:14:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu May 28 10:43:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	652142	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	647127	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	335792	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	813292	141.78	ug/L	0.00
7) Chloroethane-d5	1.92	69	538886	115.49	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.59	63	1650795	175.93	ug/L	0.00
21) 2-Butanone-d5	4.66	46	1619484	361.22	ug/L	0.00
24) Chloroform-d	5.10	84	1614404	181.75	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.74	65	1044395	169.27	ug/L	0.00
32) Benzene-d6	5.76	84	3253554	170.57	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.72	67	1027223	162.43	ug/L	0.00
41) Toluene-d8	7.92	98	2972294	169.87	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.20	79	560574	189.02	ug/L	0.00
47) 2-Hexanone-d5	8.66	63	1229871	447.15	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.77	84	1644630	180.47	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.20	152	1224411	174.40	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.39	85	999916	197.07	ug/L	99
3) Chloromethane	1.53	50	940391	146.24	ug/L	99
5) Vinyl chloride	1.62	62	1047311	160.29	ug/L	100
6) Bromomethane	1.87	94	461570	148.32	ug/L	98
8) Chloroethane	1.94	64	583468	148.48	ug/L	99
9) Trichlorofluoromethane	2.15	101	1364882	200.99	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	802682	192.32	ug/L	98
12) 1,1-Dichloroethene	2.60	96	807589	189.08	ug/L	99
13) Acetone	2.66	43	1121501	388.37	ug/L	98
14) Carbon disulfide	2.82	76	2670548	188.76	ug/L	100
15) Methyl Acetate	2.98	43	1195502	190.14	ug/L	100
16) Methylene chloride	3.08	84	925228	183.77	ug/L	96
17) trans-1,2-Dichloroethene	3.38	96	877688	190.33	ug/L	99
18) Methyl tert-butyl Ether	3.40	73	2953875	192.52	ug/L	100
19) 1,1-Dichloroethane	3.91	63	1652298	179.87	ug/L	99
20) cis-1,2-Dichloroethene	4.71	96	968388	189.92	ug/L	99
22) 2-Butanone	4.75	43	1830008	391.55	ug/L	100
23) Bromochloromethane	5.01	128	469460	195.74	ug/L	98
25) Chloroform	5.12	83	1634029	185.31	ug/L	99
27) 1,2-Dichloroethane	5.83	62	1338473	183.56	ug/L	99
29) Cyclohexane	5.42	56	1548338	183.11	ug/L	99
30) 1,1,1-Trichloroethane	5.35	97	1456532	202.48	ug/L	99
31) Carbon tetrachloride	5.56	117	1224036	215.56	ug/L	99
33) Benzene	5.81	78	3707928	183.29	ug/L	100
34) Trichloroethene	6.57	95	934535	190.51	ug/L	99
35) Methylcyclohexane	6.79	83	1570172	190.55	ug/L	98
37) 1,2-Dichloropropane	6.82	63	974354	180.15	ug/L	100
38) Bromodichloromethane	7.13	83	1290836	196.56	ug/L	98
39) cis-1,3-Dichloropropene	7.63	75	1648860	198.88	ug/L	99
40) 4-Methyl-2-pentanone	7.82	43	3390263	386.87	ug/L	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU052820\
 Data File : VU038338.D
 Acq On : 28 May 2020 10:52
 Operator : JC/MD
 Sample : VSTD20033
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD20033

Quant Time: May 28 11:14:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu May 28 10:43:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.99	91	3991541	187.80	ug/L	100
44) trans-1,3-Dichloropropene	8.23	75	1601373	206.88	ug/L	99
45) 1,1,2-Trichloroethane	8.42	97	936332	191.14	ug/L	99
46) Tetrachloroethene	8.57	164	695273	194.13	ug/L	98
48) 2-Hexanone	8.71	43	2863778	396.54	ug/L	99
49) Dibromochloromethane	8.83	129	1008997	213.58	ug/L	100
50) 1,2-Dibromoethane	8.94	107	1035509	196.78	ug/L	99
51) Chlorobenzene	9.47	112	2559446	193.40	ug/L	99
52) Ethylbenzene	9.59	91	4626634	196.37	ug/L	99
53) m,p-Xylene	9.71	106	1771967	198.08	ug/L	98
54) o-xylene	10.12	106	1739014	197.45	ug/L	99
55) Styrene	10.13	104	3074855	205.53	ug/L	100
56) Isopropylbenzene	10.50	105	4586259	202.23	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.80	83	1726681	197.44	ug/L	99
59) 1,2,3-Trichloropropane	10.84	75	1423809	189.86	ug/L	100
61) Bromoform	10.31	173	779988	217.24	ug/L	99
62) 1,3-Dichlorobenzene	11.76	146	2051591	190.83	ug/L	99
63) 1,4-Dichlorobenzene	11.85	146	2075316	191.04	ug/L	99
65) 1,2-Dichlorobenzene	12.22	146	2013033	185.61	ug/L	98
66) 1,2-Dibromo-3-chloropropan	13.01	75	452872	200.05	ug/L	99
67) 1,3,5-Trichlorobenzene	13.24	180	1518280	207.15	ug/L	99
68) 1,2,4-trichlorobenzene	13.87	180	1487816	211.78	ug/L	100
69) Naphthalene	14.11	128	5531134	205.21	ug/L	100
70) 1,2,3-Trichlorobenzene	14.36	180	1462340	211.50	ug/L	99

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

```
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU052820\
Data File : VU038338.D
Acq On    : 28 May 2020   10:52
Operator  : JC/MD
Sample    : VSTD20033
Misc      : 5.0mL/MSVOA_U/WATER
ALS Vial  : 1      Sample Multiplier: 1
```