

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072919\
 Data File : VU033471.D
 Acq On : 29 Jul 2019 13:19
 Operator : JC/SP
 Sample : VSTD20031
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD20031

Quant Time: Jul 30 03:47:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMULM072919W.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jul 30 03:41:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	334556	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	345439	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.47	152	191400	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	601173	194.72	ug/L	0.00
7) Chloroethane-d5	1.65	69	486415	190.87	ug/L	-0.02
11) 1,1-Dichloroethene-d2	2.25	63	1117100	186.94	ug/L	0.00
21) 2-Butanone-d5	4.15	46	760961	418.66	ug/L	0.00
24) Chloroform-d	4.62	84	933240	200.26	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.28	65	567557	190.55	ug/L	0.00
32) Benzene-d6	5.31	84	1889671	197.08	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.31	67	585532	196.15	ug/L	0.00
41) Toluene-d8	7.55	98	1837439	201.89	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.83	79	305934	208.30	ug/L	0.00
47) 2-Hexanone-d5	8.30	63	583587	455.35	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	10.41	84	912979	206.82	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.85	152	747540	208.90	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	640616	196.534	ug/L	99
3) Chloromethane	1.32	50	619695	188.116	ug/L	99
5) Vinyl chloride	1.39	62	724425	192.546	ug/L	99
6) Bromomethane	1.59	94	725298	306.863	ug/L	99
8) Chloroethane	1.67	64	433747	191.028	ug/L	100
9) Trichlorofluoromethane	1.86	101	950048	192.605	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.26	101	477024	185.714	ug/L	99
12) 1,1-Dichloroethene	2.26	96	477042	187.808	ug/L	98
13) Acetone	2.31	43	579567	343.194	ug/L	99
14) Carbon disulfide	2.45	76	1392299	197.581	ug/L	100
15) Methyl Acetate	2.59	43	530025	196.900	ug/L	100
16) Methylene chloride	2.68	84	509310	192.314	ug/L	100
17) trans-1,2-Dichloroethene	2.96	96	473603	202.790	ug/L	99
18) Methyl tert-butyl Ether	2.98	73	1510166	210.356	ug/L	100
19) 1,1-Dichloroethane	3.42	63	882179	193.575	ug/L	99
20) cis-1,2-Dichloroethene	4.19	96	541128	204.783	ug/L	100
22) 2-Butanone	4.23	43	838678	404.250	ug/L	97
23) Bromochloromethane	4.52	128	275194	199.852	ug/L	96
25) Chloroform	4.64	83	919145	191.554	ug/L	98
27) 1,2-Dichloroethane	5.38	62	717745	192.631	ug/L	98
29) Cyclohexane	4.97	56	806222	208.173	ug/L	98
30) 1,1,1-Trichloroethane	4.89	97	791879	196.177	ug/L	99
31) Carbon tetrachloride	5.11	117	713987	198.433	ug/L	100
33) Benzene	5.36	78	2017360	194.926	ug/L	100
34) Trichloroethene	6.16	95	525243	199.042	ug/L	99
35) Methylcyclohexane	6.39	83	864854	215.638	ug/L	96
37) 1,2-Dichloropropane	6.41	63	539764	197.192	ug/L	100
38) Bromodichloromethane	6.73	83	706380	199.309	ug/L	99
39) cis-1,3-Dichloropropene	7.25	75	889959	208.889	ug/L	97
40) 4-Methyl-2-pentanone	7.44	43	1582110	427.702	ug/L	99

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42) Toluene	7.62	91	2265359	199.395	ug/L	100
44) trans-1,3-Dichloropropene	7.86	75	805864	211.730	ug/L	99
45) 1,1,2-Trichloroethane	8.05	97	518361	198.350	ug/L	99
46) Tetrachloroethene	8.21	164	435348	207.311	ug/L	99
48) 2-Hexanone	8.35	43	1300292	428.075	ug/L	100
49) Dibromochloromethane	8.46	129	617439	208.711	ug/L	98
50) 1,2-Dibromoethane	8.57	107	579901	203.307	ug/L	99
51) Chlorobenzene	9.10	112	1462165	201.323	ug/L	99
52) Ethylbenzene	9.23	91	2541407	209.309	ug/L	99
53) m,p-Xylene	9.36	106	979474	209.267	ug/L	99
54) o-xylene	9.76	106	977215	216.001	ug/L	99
55) Styrene	9.77	104	1698219	216.607	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.44	83	932455	205.691	ug/L	98
59) Bromoform	9.94	173	493498	214.911	ug/L	98
60) 1,2,3-Trichloropropane	10.48	75	714699	192.215	ug/L	100
61) Isopropylbenzene	10.15	105	2519328	206.019	ug/L	99
62) 1,3,5-Trimethylbenzene	10.76	105	2209110	215.911	ug/L	100
63) 1,2,4-Trimethylbenzene	11.13	105	2200268	213.447	ug/L	100
64) 1,3-Dichlorobenzene	11.40	146	1224359	206.651	ug/L	98
65) 1,4-Dichlorobenzene	11.49	146	1226892	205.164	ug/L	99
67) 1,2-Dichlorobenzene	11.86	146	1221456	202.476	ug/L	99
68) 1,2-Dibromo-3-chloropropan	12.64	75	215493	204.382	ug/L	95
69) 1,3,5-Trichlorobenzene	12.87	180	948868	212.111	ug/L	99
70) 1,2,4-trichlorobenzene	13.49	180	868055	230.676	ug/L	98
71) Naphthalene	13.73	128	2629566	229.104	ug/L	100
72) 1,2,3-Trichlorobenzene	13.97	180	872463	213.920	ug/L	100

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

