

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080319\
 Data File : VU033584.D
 Acq On : 03 Aug 2019 11:41
 Operator : JC/SP
 Sample : VSTD10032
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10032

Quant Time: Aug 05 05:30:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080319WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Aug 05 05:25:49 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	318555	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	314346	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	171576	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	224420	98.03	ug/L	0.00
7) Chloroethane-d5	1.67	69	286182	143.94	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.26	63	422529	100.56	ug/L	0.00
21) 2-Butanone-d5	4.16	46	373068	237.51	ug/L	0.00
24) Chloroform-d	4.62	84	424005	107.85	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.28	65	262142	105.86	ug/L	0.00
32) Benzene-d6	5.32	84	847761	107.99	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.31	67	268302	109.17	ug/L	0.00
41) Toluene-d8	7.55	98	810652	110.36	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.83	79	135450	110.86	ug/L	0.00
47) 2-Hexanone-d5	8.30	63	285685	243.37	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.41	84	413024	108.26	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.85	152	327785	103.56	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	282115	95.571 ug/L	99
3) Chloromethane	1.32	50	284369	95.296 ug/L	100
5) Vinyl chloride	1.39	62	309706	96.669 ug/L	98
6) Bromomethane	1.62	94	217209	76.376 ug/L	99
8) Chloroethane	1.69	64	286915	147.335 ug/L	99
9) Trichlorofluoromethane	1.87	101	409604	97.494 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	208657	97.612 ug/L	100
12) 1,1-Dichloroethene	2.27	96	200640	98.527 ug/L	92
13) Acetone	2.32	43	309069	196.732 ug/L	99
14) Carbon disulfide	2.46	76	578156	91.214 ug/L	99
15) Methyl Acetate	2.60	43	265980	105.704 ug/L	98
16) Methylene chloride	2.68	84	232974	99.489 ug/L	99
17) trans-1,2-Dichloroethene	2.96	96	208713	97.686 ug/L	98
18) Methyl tert-butyl Ether	2.98	73	687916	104.897 ug/L	100
19) 1,1-Dichloroethane	3.42	63	403711	100.001 ug/L	98
20) cis-1,2-Dichloroethene	4.20	96	244710	101.300 ug/L	99
22) 2-Butanone	4.24	43	424229	225.616 ug/L	99
23) Bromochloromethane	4.52	128	122667	98.129 ug/L	98
25) Chloroform	4.65	83	424466	100.117 ug/L	99
27) 1,2-Dichloroethane	5.38	62	336348	102.721 ug/L	98
29) Cyclohexane	4.97	56	351969	103.935 ug/L	99
30) 1,1,1-Trichloroethane	4.89	97	358692	99.897 ug/L	99
31) Carbon tetrachloride	5.11	117	314499	100.326 ug/L	100
33) Benzene	5.37	78	913517	101.572 ug/L	100
34) Trichloroethene	6.16	95	229117	96.695 ug/L	99
35) Methylcyclohexane	6.40	83	375296	101.710 ug/L	99
37) 1,2-Dichloropropane	6.41	63	247016	101.695 ug/L	100
38) Bromodichloromethane	6.74	83	318482	101.847 ug/L	97
39) cis-1,3-Dichloropropene	7.25	75	398379	105.758 ug/L	99
40) 4-Methyl-2-pentanone	7.44	43	748398	221.962 ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.62	91	994918	103.075	ug/L	99
44) trans-1,3-Dichloropropene	7.86	75	359254	105.934	ug/L	97
45) 1,1,2-Trichloroethane	8.05	97	234698	102.255	ug/L	99
46) Tetrachloroethene	8.21	164	190218	98.752	ug/L	98
48) 2-Hexanone	8.35	43	619669	228.240	ug/L	99
49) Dibromochloromethane	8.46	129	268562	103.037	ug/L	100
50) 1,2-Dibromoethane	8.57	107	256738	101.591	ug/L	100
51) Chlorobenzene	9.10	112	630741	99.874	ug/L	100
52) Ethylbenzene	9.23	91	1088773	104.751	ug/L	100
53) m,p-Xylene	9.36	106	420204	105.031	ug/L	99
54) o-xylene	9.76	106	415471	107.658	ug/L	99
55) Styrene	9.77	104	714699	108.954	ug/L	99
56) Isopropylbenzene	10.15	105	1076760	106.543	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.44	83	425099	102.494	ug/L	99
59) 1,2,3-Trichloropropane	10.48	75	329347	102.736	ug/L	98
61) Bromoform	9.94	173	212167	103.150	ug/L	99
62) 1,3-Dichlorobenzene	11.40	146	525968	100.747	ug/L	99
63) 1,4-Dichlorobenzene	11.49	146	529088	97.393	ug/L	99
65) 1,2-Dichlorobenzene	11.86	146	532602	100.874	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.64	75	104283	105.323	ug/L	98
67) 1,3,5-Trichlorobenzene	12.87	180	410354	97.879	ug/L	99
68) 1,2,4-trichlorobenzene	13.49	180	372098	104.093	ug/L	99
69) Naphthalene	13.73	128	1137473	110.678	ug/L	99
70) 1,2,3-Trichlorobenzene	13.97	180	385620	102.615	ug/L	100

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

