

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080319\
 Data File : VU033580.D
 Acq On : 03 Aug 2019 10:05
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05048

Quant Time: Aug 05 05:28:39 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	289631	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	290399	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	156401	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	78157	37.55	ug/L	0.00
7) Chloroethane-d5	1.67	69	87468	48.39	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.26	63	173613	45.44	ug/L	0.00
21) 2-Butanone-d5	4.16	46	163912	114.78	ug/L	0.00
24) Chloroform-d	4.62	84	173076	48.42	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.29	65	110121	48.91	ug/L	0.00
32) Benzene-d6	5.32	84	317107	43.72	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.31	67	107306	47.26	ug/L	0.00
41) Toluene-d8	7.55	98	292841	43.16	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.83	79	51599	45.71	ug/L	0.00
47) 2-Hexanone-d5	8.30	63	118810	109.56	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.41	84	180479	51.21	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.85	152	130172	45.12	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	141134	52.586	ug/L 99
3) Chloromethane	1.32	50	141076	51.998	ug/L 99
5) Vinyl chloride	1.40	62	149492	51.321	ug/L 98
6) Bromomethane	1.62	94	100141	38.728	ug/L 100
8) Chloroethane	1.69	64	114164	64.479	ug/L 100
9) Trichlorofluoromethane	1.87	101	207261	54.259	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	107139	55.126	ug/L 100
12) 1,1-Dichloroethene	2.27	96	99622	53.806	ug/L 92
13) Acetone	2.32	43	182405	127.701	ug/L 99
14) Carbon disulfide	2.46	76	283123	49.128	ug/L 98
15) Methyl Acetate	2.60	43	124954	54.618	ug/L 99
16) Methylene chloride	2.68	84	113086	53.115	ug/L 99
17) trans-1,2-Dichloroethene	2.96	96	99935	51.445	ug/L 99
18) Methyl tert-butyl Ether	2.98	73	318784	53.464	ug/L 100
19) 1,1-Dichloroethane	3.42	63	197291	53.750	ug/L 99
20) cis-1,2-Dichloroethene	4.20	96	115000	52.359	ug/L 98
22) 2-Butanone	4.24	43	210326	123.027	ug/L 100
23) Bromochloromethane	4.52	128	60926	53.606	ug/L 95
25) Chloroform	4.65	83	206836	53.657	ug/L 99
27) 1,2-Dichloroethane	5.38	62	163807	55.023	ug/L 100
29) Cyclohexane	4.97	56	163896	52.389	ug/L 99
30) 1,1,1-Trichloroethane	4.89	97	172213	51.917	ug/L 100
31) Carbon tetrachloride	5.11	117	153571	53.029	ug/L 99
33) Benzene	5.37	78	438804	52.813	ug/L 100
34) Trichloroethene	6.16	95	111550	50.960	ug/L 99
35) Methylcyclohexane	6.40	83	178746	52.437	ug/L 99
37) 1,2-Dichloropropane	6.41	63	119612	53.304	ug/L 99
38) Bromodichloromethane	6.74	83	154883	53.614	ug/L 99
39) cis-1,3-Dichloropropene	7.25	75	182205	52.359	ug/L 100
40) 4-Methyl-2-pentanone	7.44	43	345470	110.910	ug/L 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.62	91	477933	53.597	ug/L	99
44) trans-1,3-Dichloropropene	7.86	75	167740	53.541	ug/L	97
45) 1,1,2-Trichloroethane	8.05	97	113878	53.706	ug/L	99
46) Tetrachloroethene	8.21	164	91715	51.540	ug/L	99
48) 2-Hexanone	8.35	43	292998	116.818	ug/L	99
49) Dibromochloromethane	8.46	129	128735	53.464	ug/L	98
50) 1,2-Dibromoethane	8.57	107	124008	53.116	ug/L	99
51) Chlorobenzene	9.10	112	303902	52.089	ug/L	99
52) Ethylbenzene	9.23	91	510617	53.178	ug/L	100
53) m,p-Xylene	9.36	106	197557	53.452	ug/L	100
54) o-xylene	9.76	106	192981	54.130	ug/L	99
55) Styrene	9.77	104	335275	55.327	ug/L	100
56) Isopropylbenzene	10.15	105	500404	53.597	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.44	83	205316	53.585	ug/L	98
59) 1,2,3-Trichloropropane	10.48	75	159835	53.970	ug/L	99
61) Bromoform	9.94	173	98713	52.648	ug/L	99
62) 1,3-Dichlorobenzene	11.40	146	251836	52.918	ug/L	98
63) 1,4-Dichlorobenzene	11.49	146	252426	50.974	ug/L	100
65) 1,2-Dichlorobenzene	11.86	146	249548	51.850	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.64	75	47731	52.884	ug/L	95
67) 1,3,5-Trichlorobenzene	12.87	180	192512	50.374	ug/L	99
68) 1,2,4-trichlorobenzene	13.49	180	166256	51.022	ug/L	99
69) Naphthalene	13.73	128	487744	52.063	ug/L	100
70) 1,2,3-Trichlorobenzene	13.97	180	174465	50.930	ug/L	99

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

