

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081319\
 Data File : VU033777.D
 Acq On : 13 Aug 2019 10:07
 Operator : JC/SP
 Sample : VSTD05035
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05035

Quant Time: Aug 14 01:36:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMULM081319W.M
 Quant Title : VOC Analysis
 QLast Update : Wed Aug 14 01:33:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	411656	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	410355	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.47	152	214964	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	193521	51.58	ug/L	0.00
7) Chloroethane-d5	1.67	69	166886	53.34	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.26	63	314308	47.46	ug/L	0.00
21) 2-Butanone-d5	4.15	46	217950	102.30	ug/L	0.00
24) Chloroform-d	4.62	84	303555	53.62	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.29	65	189677	52.18	ug/L	0.00
32) Benzene-d6	5.32	84	595764	53.57	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.31	67	188127	54.36	ug/L	0.00
41) Toluene-d8	7.55	98	560357	53.70	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.83	79	91556	54.27	ug/L	0.00
47) 2-Hexanone-d5	8.29	63	161215	112.16	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	10.41	84	268457	50.95	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.84	152	213170	51.00	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	202895	49.286	ug/L 100
3) Chloromethane	1.32	50	206433	50.157	ug/L 100
5) Vinyl chloride	1.39	62	229145	48.961	ug/L 100
6) Bromomethane	1.62	94	189034	54.760	ug/L 100
8) Chloroethane	1.69	64	140858	48.887	ug/L 100
9) Trichlorofluoromethane	1.87	101	289123	47.448	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	146492	48.114	ug/L 100
12) 1,1-Dichloroethene	2.27	96	140613	47.680	ug/L 100
13) Acetone	2.31	43	191584	91.651	ug/L 100
14) Carbon disulfide	2.46	76	442968	49.159	ug/L 100
15) Methyl Acetate	2.60	43	162261	47.852	ug/L 100
16) Methylene chloride	2.68	84	162173	49.058	ug/L 100
17) trans-1,2-Dichloroethene	2.96	96	146862	48.884	ug/L 100
18) Methyl tert-butyl Ether	2.98	73	439635	49.847	ug/L 100
19) 1,1-Dichloroethane	3.42	63	281628	49.956	ug/L 100
20) cis-1,2-Dichloroethene	4.20	96	161772	49.042	ug/L 100
22) 2-Butanone	4.24	43	245144	97.979	ug/L 100
23) Bromochloromethane	4.52	128	85413	48.628	ug/L 100
25) Chloroform	4.65	83	290297	48.771	ug/L 100
27) 1,2-Dichloroethane	5.38	62	229848	49.536	ug/L 100
29) Cyclohexane	4.97	56	231598	51.300	ug/L 100
30) 1,1,1-Trichloroethane	4.89	97	244292	49.813	ug/L 100
31) Carbon tetrachloride	5.11	117	216959	49.735	ug/L 100
33) Benzene	5.37	78	634910	51.426	ug/L 100
34) Trichloroethene	6.16	95	162215	50.416	ug/L 100
35) Methylcyclohexane	6.40	83	250926	51.105	ug/L 100
37) 1,2-Dichloropropane	6.41	63	169741	51.013	ug/L 100
38) Bromodichloromethane	6.74	83	216097	49.508	ug/L 100
39) cis-1,3-Dichloropropene	7.25	75	258614	52.338	ug/L 100
40) 4-Methyl-2-pentanone	7.44	43	434549	100.181	ug/L 100

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42) Toluene	7.62	91	681813	51.546	ug/L	100
44) trans-1,3-Dichloropropene	7.86	75	232666	51.805	ug/L	100
45) 1,1,2-Trichloroethane	8.05	97	158545	50.180	ug/L	100
46) Tetrachloroethene	8.21	164	130859	49.850	ug/L	100
48) 2-Hexanone	8.34	43	345046	98.300	ug/L	100
49) Dibromochloromethane	8.46	129	178863	50.593	ug/L	100
50) 1,2-Dibromoethane	8.57	107	170990	50.006	ug/L	100
51) Chlorobenzene	9.10	112	427013	48.788	ug/L	100
52) Ethylbenzene	9.23	91	719858	50.330	ug/L	100
53) m,p-Xylene	9.36	106	278409	51.729	ug/L	100
54) o-xylene	9.76	106	268587	50.917	ug/L	100
55) Styrene	9.77	104	468109	52.233	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.44	83	265022	47.527	ug/L	100
59) Bromoform	9.94	173	134346	49.563	ug/L	100
60) 1,2,3-Trichloropropane	10.48	75	211157	48.111	ug/L	100
61) Isopropylbenzene	10.15	105	689043	50.010	ug/L	100
62) 1,3,5-Trimethylbenzene	10.76	105	567914	51.026	ug/L	100
63) 1,2,4-Trimethylbenzene	11.13	105	574299	51.991	ug/L	100
64) 1,3-Dichlorobenzene	11.40	146	336864	47.885	ug/L	100
65) 1,4-Dichlorobenzene	11.49	146	343112	47.134	ug/L	100
67) 1,2-Dichlorobenzene	11.86	146	337894	48.077	ug/L	100
68) 1,2-Dibromo-3-chloropropan	12.64	75	58981	48.477	ug/L	100
69) 1,3,5-Trichlorobenzene	12.87	180	253444	47.481	ug/L	100
70) 1,2,4-trichlorobenzene	13.49	180	218612	48.833	ug/L	100
71) Naphthalene	13.73	128	688024	52.786	ug/L	100
72) 1,2,3-Trichlorobenzene	13.97	180	232863	49.820	ug/L	100

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

