

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082219\
 Data File : VU033902.D
 Acq On : 22 Aug 2019 16:00
 Operator : JC/SP
 Sample : VSTD10032
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10032

Quant Time: Aug 23 01:57:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM082219WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 23 01:53:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	592282	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	598435	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	311943	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	524312	98.00	ug/L	0.00
7) Chloroethane-d5	1.66	69	411231	84.06	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.25	63	931082	102.45	ug/L	0.00
21) 2-Butanone-d5	4.14	46	773539	262.23	ug/L	0.00
24) Chloroform-d	4.62	84	852788	98.71	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.28	65	546582	100.57	ug/L	0.00
32) Benzene-d6	5.32	84	1727022	102.20	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.31	67	558521	101.44	ug/L	0.00
41) Toluene-d8	7.54	98	1609633	103.08	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.83	79	275611	107.74	ug/L	0.00
47) 2-Hexanone-d5	8.29	63	549270	262.85	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.41	84	801203	105.07	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.84	152	620523	98.92	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	532081	91.796	ug/L	100
3) Chloromethane	1.32	50	524562	88.610	ug/L	99
5) Vinyl chloride	1.39	62	600285	90.775	ug/L	99
6) Bromomethane	1.60	94	237022	52.110	ug/L	97
8) Chloroethane	1.68	64	358206	78.807	ug/L	99
9) Trichlorofluoromethane	1.87	101	691737	79.864	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	395609	92.758	ug/L	98
12) 1,1-Dichloroethene	2.26	96	384907	93.656	ug/L	95
13) Acetone	2.30	43	616536	214.104	ug/L	99
14) Carbon disulfide	2.46	76	1221498	94.205	ug/L	99
15) Methyl Acetate	2.59	43	558204	117.184	ug/L	99
16) Methylene chloride	2.68	84	458676	95.394	ug/L	99
17) trans-1,2-Dichloroethene	2.96	96	419383	97.330	ug/L	99
18) Methyl tert-butyl Ether	2.98	73	1333223	105.461	ug/L	99
19) 1,1-Dichloroethane	3.42	63	834769	99.879	ug/L	98
20) cis-1,2-Dichloroethene	4.19	96	481330	103.198	ug/L	96
22) 2-Butanone	4.23	43	851922	254.008	ug/L	99
23) Bromochloromethane	4.52	128	238167	94.563	ug/L	98
25) Chloroform	4.64	83	821400	95.279	ug/L	98
27) 1,2-Dichloroethane	5.38	62	644247	98.189	ug/L	100
29) Cyclohexane	4.97	56	733881	111.852	ug/L	98
30) 1,1,1-Trichloroethane	4.89	97	667430	92.381	ug/L	99
31) Carbon tetrachloride	5.11	117	596633	90.948	ug/L	100
33) Benzene	5.36	78	1783268	97.594	ug/L	100
34) Trichloroethene	6.16	95	450324	93.169	ug/L	99
35) Methylcyclohexane	6.39	83	739853	103.449	ug/L	99
37) 1,2-Dichloropropane	6.41	63	482995	96.721	ug/L	99
38) Bromodichloromethane	6.73	83	621855	96.137	ug/L	98
39) cis-1,3-Dichloropropene	7.25	75	783483	107.079	ug/L	100
40) 4-Methyl-2-pentanone	7.44	43	1505146	246.635	ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.61	91	1889053	98.424	ug/L	98
44) trans-1,3-Dichloropropene	7.86	75	696969	103.936	ug/L	100
45) 1,1,2-Trichloroethane	8.05	97	442622	94.552	ug/L	98
46) Tetrachloroethene	8.21	164	349482	90.444	ug/L	97
48) 2-Hexanone	8.34	43	1182957	248.230	ug/L	99
49) Dibromochloromethane	8.46	129	500253	95.374	ug/L	100
50) 1,2-Dibromoethane	8.57	107	484698	97.710	ug/L	99
51) Chlorobenzene	9.10	112	1210746	95.569	ug/L	99
52) Ethylbenzene	9.23	91	2112102	103.490	ug/L	100
53) m,p-Xylene	9.36	106	792996	104.147	ug/L	99
54) o-xylene	9.76	106	784630	106.100	ug/L	100
55) Styrene	9.77	104	1361819	107.632	ug/L	98
56) Isopropylbenzene	10.15	105	2059096	106.562	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.44	83	788971	103.213	ug/L	98
59) 1,2,3-Trichloropropane	10.48	75	624222	102.332	ug/L	100
61) Bromoform	9.94	173	385009	97.879	ug/L	99
62) 1,3-Dichlorobenzene	11.40	146	966432	97.861	ug/L	100
63) 1,4-Dichlorobenzene	11.49	146	970764	94.971	ug/L	98
65) 1,2-Dichlorobenzene	11.86	146	960310	97.119	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.64	75	183214	108.502	ug/L	94
67) 1,3,5-Trichlorobenzene	12.87	180	755663	99.400	ug/L	100
68) 1,2,4-trichlorobenzene	13.49	180	672147	107.643	ug/L	99
69) Naphthalene	13.73	128	2164464	123.430	ug/L	99
70) 1,2,3-Trichlorobenzene	13.97	180	691116	106.772	ug/L	99

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

