

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU031119\
 Data File : VU029915.D
 Acq On : 09 Mar 2019 12:51
 Operator : JC/SP
 Sample : VSTD20046
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD20046

Quant Time: Mar 11 01:59:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031119WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Mar 11 01:54:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	518261	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	533825	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	304336	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	660436	179.23	ug/L	0.00
7) Chloroethane-d5	1.66	69	539915	166.27	ug/L	-0.02
11) 1,1-Dichloroethene-d2	2.27	63	1245643	176.22	ug/L	0.00
21) 2-Butanone-d5	4.17	46	1086305	463.54	ug/L	0.00
24) Chloroform-d	4.64	84	1286376	208.94	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	737649	191.09	ug/L	0.00
32) Benzene-d6	5.34	84	2691496	200.33	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.32	67	818063	202.76	ug/L	0.00
41) Toluene-d8	7.56	98	2630488	193.38	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	417519	198.51	ug/L	0.00
47) 2-Hexanone-d5	8.31	63	1011317	451.44	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	1376415	203.81	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	1186249	184.53	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	831825	225.766	ug/L	100
3) Chloromethane	1.32	50	1041645	292.056	ug/L	99
5) Vinyl chloride	1.40	62	864694	204.269	ug/L	99
6) Bromomethane	1.60	94	211048	117.069	ug/L	99
8) Chloroethane	1.68	64	502677	180.510	ug/L	100
9) Trichlorofluoromethane	1.88	101	1099561	168.197	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	693239	195.976	ug/L	99
12) 1,1-Dichloroethene	2.28	96	678365	201.013	ug/L	92
13) Acetone	2.32	43	982457	385.863	ug/L	99
14) Carbon disulfide	2.47	76	2118023	228.138	ug/L	99
15) Methyl Acetate	2.61	43	784581	234.142	ug/L	98
16) Methylene chloride	2.69	84	792204	230.508	ug/L	100
17) trans-1,2-Dichloroethene	2.98	96	725685	223.497	ug/L	99
18) Methyl tert-butyl Ether	3.00	73	1931756	201.286	ug/L	99
19) 1,1-Dichloroethane	3.44	63	1234842	219.417	ug/L	100
20) cis-1,2-Dichloroethene	4.22	96	825849	219.317	ug/L	98
22) 2-Butanone	4.26	43	1298720	445.384	ug/L	99
23) Bromochloromethane	4.54	128	397329	197.077	ug/L	99
25) Chloroform	4.67	83	1284355	206.731	ug/L	98
27) 1,2-Dichloroethane	5.40	62	932118	198.299	ug/L	99
29) Cyclohexane	4.99	56	1162846	215.609	ug/L	100
30) 1,1,1-Trichloroethane	4.91	97	1106486	194.654	ug/L	100
31) Carbon tetrachloride	5.13	117	972485	190.344	ug/L	100
33) Benzene	5.39	78	2935139	210.437	ug/L	100
34) Trichloroethene	6.18	95	779453	209.207	ug/L	99
35) Methylcyclohexane	6.41	83	1282871	206.660	ug/L	99
37) 1,2-Dichloropropane	6.43	63	758356	208.297	ug/L	100
38) Bromodichloromethane	6.75	83	986411	202.861	ug/L	100
39) cis-1,3-Dichloropropene	7.26	75	1223079	211.302	ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	2168854	427.340	ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.63	91	3258939	200.172	ug/L	100
44) trans-1,3-Dichloropropene	7.87	75	1108954	204.047	ug/L	99
45) 1,1,2-Trichloroethane	8.06	97	775173	201.780	ug/L	99
46) Tetrachloroethene	8.22	164	685287	191.211	ug/L	99
48) 2-Hexanone	8.36	43	1852133	418.461	ug/L	99
49) Dibromochloromethane	8.48	129	899596	197.049	ug/L	100
50) 1,2-Dibromoethane	8.58	107	842363	198.562	ug/L	98
51) Chlorobenzene	9.12	112	2225504	201.005	ug/L	99
52) Ethylbenzene	9.25	91	3733340	203.657	ug/L	99
53) m,p-Xylene	9.37	106	1468207	200.628	ug/L	99
54) o-xylene	9.78	106	1470169	200.501	ug/L	99
55) Styrene	9.79	104	2500539	203.318	ug/L	97
56) Isopropylbenzene	10.16	105	3809259	198.679	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.45	83	1424324	209.912	ug/L	100
59) 1,2,3-Trichloropropane	10.49	75	1060260	206.676	ug/L	99
61) Bromoform	9.95	173	764199	188.755	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	1945320	200.556	ug/L	100
63) 1,4-Dichlorobenzene	11.50	146	1960094	200.545	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	1939489	192.036	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.65	75	323233	207.589	ug/L	97
67) 1,3,5-Trichlorobenzene	12.88	180	1488123	201.147	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	1382267	215.031	ug/L	100
69) Naphthalene	13.74	128	4173317	212.641	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	1365577	200.163	ug/L	100

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

