

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU052419\
 Data File : VU032291.D
 Acq On : 24 May 2019 05:31
 Operator : JC/SP
 Sample : VSTD20056
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD20056

Quant Time: May 24 05:57:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052419WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 24 05:08:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	684850	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	715988	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	364010	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	671302	156.20	ug/L	0.00
7) Chloroethane-d5	1.65	69	661888	173.25	ug/L	-0.02
11) 1,1-Dichloroethene-d2	2.26	63	1350279	163.63	ug/L	0.00
21) 2-Butanone-d5	4.17	46	1499695	516.40	ug/L	0.00
24) Chloroform-d	4.64	84	1762137	198.00	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.30	65	1108749	208.76	ug/L	0.00
32) Benzene-d6	5.33	84	3522852	189.72	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.32	67	1118128	204.48	ug/L	0.00
41) Toluene-d8	7.56	98	3323624	189.85	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.84	79	570933	214.25	ug/L	0.00
47) 2-Hexanone-d5	8.31	63	1184708	490.46	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	1998988	224.45	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	1465658	192.51	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	785889	146.445	ug/L	99
3) Chloromethane	1.32	50	957487	194.254	ug/L	100
5) Vinyl chloride	1.40	62	921471	171.206	ug/L	98
6) Bromomethane	1.60	94	678645	178.711	ug/L	99
8) Chloroethane	1.67	64	615563	185.247	ug/L	98
9) Trichlorofluoromethane	1.87	101	1153177	154.337	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	665427	149.556	ug/L	99
12) 1,1-Dichloroethene	2.27	96	754450	167.540	ug/L	97
13) Acetone	2.32	43	987867	357.251	ug/L	96
14) Carbon disulfide	2.46	76	2211587	168.037	ug/L	99
15) Methyl Acetate	2.61	43	1025038	239.347	ug/L	100
16) Methylene chloride	2.69	84	1074440	199.252	ug/L	100
17) trans-1,2-Dichloroethene	2.97	96	881042	186.523	ug/L	97
18) Methyl tert-butyl Ether	2.99	73	3191676	225.245	ug/L	100
19) 1,1-Dichloroethane	3.43	63	1619297	198.058	ug/L	98
20) cis-1,2-Dichloroethene	4.22	96	1099864	202.869	ug/L	94
22) 2-Butanone	4.25	43	1596304	492.555	ug/L	99
23) Bromochloromethane	4.54	128	609015	208.195	ug/L	97
25) Chloroform	4.67	83	1787874	199.445	ug/L	98
27) 1,2-Dichloroethane	5.40	62	1402761	210.023	ug/L	98
29) Cyclohexane	4.99	56	1123557	174.200	ug/L	98
30) 1,1,1-Trichloroethane	4.91	97	1318608	174.352	ug/L	100
31) Carbon tetrachloride	5.13	117	1081345	164.616	ug/L	99
33) Benzene	5.38	78	3857794	191.697	ug/L	100
34) Trichloroethene	6.18	95	951166	178.642	ug/L	98
35) Methylcyclohexane	6.41	83	1239898	160.071	ug/L	99
37) 1,2-Dichloropropane	6.42	63	1012519	203.081	ug/L	100
38) Bromodichloromethane	6.75	83	1421800	207.395	ug/L	98
39) cis-1,3-Dichloropropene	7.26	75	1657430	215.025	ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	3123080	528.729	ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.63	91	4226875	191.969	ug/L	98
44) trans-1,3-Dichloropropene	7.87	75	1499978	218.248	ug/L	99
45) 1,1,2-Trichloroethane	8.06	97	1139956	210.442	ug/L	99
46) Tetrachloroethene	8.22	164	716620	166.854	ug/L	99
48) 2-Hexanone	8.36	43	2558127	509.136	ug/L	99
49) Dibromochloromethane	8.47	129	1283766	222.342	ug/L	99
50) 1,2-Dibromoethane	8.58	107	1254266	219.304	ug/L	99
51) Chlorobenzene	9.12	112	2817027	189.446	ug/L	99
52) Ethylbenzene	9.24	91	4505795	191.854	ug/L	99
53) m,p-Xylene	9.37	106	1766286	191.722	ug/L	97
54) o-xylene	9.77	106	1859425	203.241	ug/L	96
55) Styrene	9.79	104	3336751	211.822	ug/L	99
56) Isopropylbenzene	10.16	105	4418071	189.927	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.45	83	2012929	220.795	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	1586102	227.192	ug/L	99
61) Bromoform	9.95	173	1065747	225.194	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	2242594	190.034	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	2281156	183.355	ug/L	100
65) 1,2-Dichlorobenzene	11.87	146	2372240	190.414	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.65	75	475544	238.634	ug/L	98
67) 1,3,5-Trichlorobenzene	12.88	180	1646552	183.539	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	1506891	215.018	ug/L	98
69) Naphthalene	13.74	128	5626187	259.748	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	1634286	206.770	ug/L	99

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

