

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU031319\
 Data File : VU029973.D
 Acq On : 11 Mar 2019 18:00
 Operator : JC/SP
 Sample : VSTD00543
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00543

Quant Time: Mar 12 05:44:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031319WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Mar 12 05:42:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	528353	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	506944	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	252122	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	15468	4.71	ug/L	0.00
7) Chloroethane-d5	1.68	69	12994	4.75	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.28	63	29399	4.81	ug/L	0.00
21) 2-Butanone-d5	4.19	46	22315	8.87	ug/L	0.02
24) Chloroform-d	4.65	84	28402	4.52	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	16826	4.59	ug/L	0.00
32) Benzene-d6	5.34	84	58174	4.56	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.33	67	18148	4.69	ug/L	0.00
41) Toluene-d8	7.57	98	53096	4.36	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	8179	4.36	ug/L	0.00
47) 2-Hexanone-d5	8.31	63	16713	7.95	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	27029	4.47	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	23022	4.65	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	16973	4.371 ug/L	97
3) Chloromethane	1.33	50	19197	3.861 ug/L	95
5) Vinyl chloride	1.40	62	20470	5.054 ug/L	98
6) Bromomethane	1.63	94	13050	9.483 ug/L	100
8) Chloroethane	1.70	64	16406	6.567 ug/L #	82
9) Trichlorofluoromethane	1.89	101	27907	5.189 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	17958	5.367 ug/L	99
12) 1,1-Dichloroethene	2.29	96	17233	5.336 ug/L	86
13) Acetone	2.32	43	34612	12.601 ug/L	99
14) Carbon disulfide	2.48	76	52079	5.175 ug/L	99
15) Methyl Acetate	2.62	43	19723	5.265 ug/L	97
16) Methylene chloride	2.70	84	20625	5.430 ug/L	96
17) trans-1,2-Dichloroethene	2.98	96	18567	5.380 ug/L	93
18) Methyl tert-butyl Ether	3.00	73	52228	5.804 ug/L	98
19) 1,1-Dichloroethane	3.45	63	31446	5.300 ug/L	94
20) cis-1,2-Dichloroethene	4.23	96	20337	5.163 ug/L	92
22) 2-Butanone	4.27	43	33662	10.677 ug/L	95
23) Bromochloromethane	4.55	128	10743	5.396 ug/L	94
25) Chloroform	4.68	83	33595	5.259 ug/L	94
27) 1,2-Dichloroethane	5.41	62	23918	5.278 ug/L	97
29) Cyclohexane	4.99	56	28059	5.375 ug/L	98
30) 1,1,1-Trichloroethane	4.91	97	28281	5.543 ug/L	99
31) Carbon tetrachloride	5.13	117	24519	5.410 ug/L	98
33) Benzene	5.39	78	73816	5.448 ug/L	100
34) Trichloroethene	6.19	95	19190	5.246 ug/L	91
35) Methylcyclohexane	6.41	83	30667	5.264 ug/L	100
37) 1,2-Dichloropropane	6.43	63	19503	5.493 ug/L #	95
38) Bromodichloromethane	6.76	83	22633	5.108 ug/L	96
39) cis-1,3-Dichloropropene	7.27	75	28130	5.174 ug/L	97
40) 4-Methyl-2-pentanone	7.46	43	48139	10.119 ug/L	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

42) Toluene	7.64	91	77526	5.233	ug/L	97
44) trans-1,3-Dichloropropene	7.88	75	25391	5.236	ug/L	100
45) 1,1,2-Trichloroethane	8.07	97	19451	5.404	ug/L	98
46) Tetrachloroethene	8.22	164	17022	5.413	ug/L	98
48) 2-Hexanone	8.36	43	39104	9.684	ug/L	96
49) Dibromochloromethane	8.48	129	20007	5.045	ug/L	98
50) 1,2-Dibromoethane	8.58	107	20624	5.313	ug/L	96
51) Chlorobenzene	9.12	112	54434	5.434	ug/L	99
52) Ethylbenzene	9.25	91	84504	5.153	ug/L	100
53) m,p-Xylene	9.37	106	32354	5.122	ug/L	96
54) o-xylene	9.78	106	30947	4.951	ug/L	99
55) Styrene	9.79	104	50386	4.901	ug/L	98
56) Isopropylbenzene	10.16	105	82150	5.070	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	32314	5.197	ug/L	96
59) 1,2,3-Trichloropropane	10.49	75	24443	5.217	ug/L	99
61) Bromoform	9.96	173	14363	4.876	ug/L	98
62) 1,3-Dichlorobenzene	11.41	146	41399	5.376	ug/L	100
63) 1,4-Dichlorobenzene	11.50	146	42931	5.444	ug/L	98
65) 1,2-Dichlorobenzene	11.88	146	40866	5.202	ug/L	95
66) 1,2-Dibromo-3-chloropropan	12.65	75	5911	4.730	ug/L	96
67) 1,3,5-Trichlorobenzene	12.89	180	30877	5.251	ug/L	97
68) 1,2,4-trichlorobenzene	13.50	180	27633	5.247	ug/L	99
69) Naphthalene	13.74	128	82147	4.952	ug/L	96
70) 1,2,3-Trichlorobenzene	13.99	180	29233	5.267	ug/L	99

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

