

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU012920\
 Data File : VU036577.D
 Acq On : 28 Jan 2020 17:13
 Operator : JC/MD
 Sample : VSTD01036
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01036

Quant Time: Jan 29 04:16:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM012920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jan 29 04:13:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	257791	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	242598	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	106158	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	21214	12.37	ug/L	0.00
7) Chloroethane-d5	1.93	69	18443	12.42	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.59	63	33960	10.70	ug/L	0.00
21) 2-Butanone-d5	4.68	46	25547	18.45	ug/L	0.00
24) Chloroform-d	5.11	84	35666	10.85	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.75	65	22366	10.35	ug/L	0.00
32) Benzene-d6	5.77	84	75728	11.84	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.73	67	24019	11.63	ug/L	0.00
41) Toluene-d8	7.93	98	72320	11.90	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.21	79	10838	9.92	ug/L	0.00
47) 2-Hexanone-d5	8.67	63	21167	20.33	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.78	84	35483	11.48	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.21	152	26658	12.66	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	21546	9.426 ug/L	99
3) Chloromethane	1.54	50	23713	11.194 ug/L	97
5) Vinyl chloride	1.62	62	23443	10.954 ug/L	98
6) Bromomethane	1.88	94	12965	10.042 ug/L	96
8) Chloroethane	1.95	64	14943	11.708 ug/L	98
9) Trichlorofluoromethane	2.16	101	28673	10.130 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	17886	11.590 ug/L	99
12) 1,1-Dichloroethene	2.61	96	16868	11.047 ug/L	91
13) Acetone	2.66	43	26200	17.773 ug/L	97
14) Carbon disulfide	2.82	76	52291	10.708 ug/L	99
15) Methyl Acetate	2.99	43	19052	9.467 ug/L	100
16) Methylene chloride	3.08	84	21407	11.376 ug/L	99
17) trans-1,2-Dichloroethene	3.39	96	18771	11.172 ug/L	94
18) Methyl tert-butyl Ether	3.41	73	61216	10.842 ug/L	99
19) 1,1-Dichloroethane	3.92	63	33454	10.725 ug/L	99
20) cis-1,2-Dichloroethene	4.71	96	21233	11.065 ug/L	91
22) 2-Butanone	4.76	43	29831	17.695 ug/L	95
23) Bromochloromethane	5.02	128	11143	11.828 ug/L	97
25) Chloroform	5.13	83	34318	10.357 ug/L	98
27) 1,2-Dichloroethane	5.84	62	26149	10.067 ug/L	96
29) Cyclohexane	5.43	56	30525	10.706 ug/L	96
30) 1,1,1-Trichloroethane	5.36	97	27606	9.908 ug/L	97
31) Carbon tetrachloride	5.57	117	23334	9.803 ug/L	98
33) Benzene	5.82	78	79257	11.371 ug/L	100
34) Trichloroethene	6.58	95	20450	11.012 ug/L	96
35) Methylcyclohexane	6.80	83	34553	11.881 ug/L	98
37) 1,2-Dichloropropane	6.83	63	19965	10.819 ug/L	# 96
38) Bromodichloromethane	7.14	83	25151	10.107 ug/L	98
39) cis-1,3-Dichloropropene	7.64	75	31684	10.673 ug/L	99
40) 4-Methyl-2-pentanone	7.83	43	52662	18.454 ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	8.00	91	85121	11.235	ug/L	97
44) trans-1,3-Dichloropropene	8.24	75	28315	10.419	ug/L	99
45) 1,1,2-Trichloroethane	8.43	97	20487	11.532	ug/L	99
46) Tetrachloroethene	8.58	164	16446	12.648	ug/L	93
48) 2-Hexanone	8.73	43	37384	16.570	ug/L	93
49) Dibromochloromethane	8.84	129	20708	10.605	ug/L	97
50) 1,2-Dibromoethane	8.95	107	21666	10.862	ug/L	96
51) Chlorobenzene	9.47	112	56794	11.844	ug/L	99
52) Ethylbenzene	9.60	91	92863	11.037	ug/L	100
53) m,p-Xylene	9.72	106	36659	11.543	ug/L	99
54) o-xylene	10.12	106	36320	11.424	ug/L	100
55) Styrene	10.14	104	57158	11.109	ug/L	96
56) Isopropylbenzene	10.51	105	92065	11.363	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.81	83	35738	11.630	ug/L	98
59) 1,2,3-Trichloropropane	10.85	75	28250	11.187	ug/L	97
61) Bromoform	10.32	173	15650	10.874	ug/L	96
62) 1,3-Dichlorobenzene	11.77	146	40587	12.003	ug/L	100
63) 1,4-Dichlorobenzene	11.86	146	40007	11.854	ug/L	98
65) 1,2-Dichlorobenzene	12.23	146	42554	12.730	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	6365	9.069	ug/L	96
67) 1,3,5-Trichlorobenzene	13.24	180	27169	12.881	ug/L	97
68) 1,2,4-trichlorobenzene	13.86	180	17701	11.354	ug/L	100
69) Naphthalene	14.10	128	47994	9.361	ug/L	99
70) 1,2,3-Trichlorobenzene	14.35	180	19449	11.990	ug/L	96

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

