

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061719\
 Data File : VU032773.D
 Acq On : 17 Jun 2019 11:26
 Operator : JC/SP
 Sample : VSTD05033
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05033

Quant Time: Jun 18 01:38:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM061719WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jun 18 01:34:42 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	214659	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	209146	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	112349	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	73225	51.95	ug/L	0.00
7) Chloroethane-d5	1.67	69	59284	52.47	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.27	63	147560	53.22	ug/L	0.00
21) 2-Butanone-d5	4.17	46	123580	105.71	ug/L	0.00
24) Chloroform-d	4.64	84	144482	54.47	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.30	65	94220	55.68	ug/L	0.00
32) Benzene-d6	5.33	84	279303	51.16	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.32	67	89098	51.74	ug/L	0.00
41) Toluene-d8	7.56	98	260474	50.49	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.84	79	46083	55.59	ug/L	0.00
47) 2-Hexanone-d5	8.31	63	81026	99.74	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.42	84	132275	53.07	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.85	152	107325	49.78	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	108184	54.409	ug/L 100
3) Chloromethane	1.32	50	97280	51.535	ug/L 100
5) Vinyl chloride	1.40	62	97439	51.480	ug/L 100
6) Bromomethane	1.62	94	57990	51.774	ug/L 100
8) Chloroethane	1.69	64	55301	49.465	ug/L 100
9) Trichlorofluoromethane	1.88	101	137415	53.239	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	71291	53.214	ug/L 100
12) 1,1-Dichloroethene	2.28	96	66612	51.579	ug/L 100
13) Acetone	2.31	43	165127	127.910	ug/L 100
14) Carbon disulfide	2.47	76	210137	53.230	ug/L 100
15) Methyl Acetate	2.61	43	93985	54.146	ug/L 100
16) Methylene chloride	2.69	84	78658	53.107	ug/L 100
17) trans-1,2-Dichloroethene	2.98	96	72323	51.790	ug/L 100
18) Methyl tert-butyl Ether	2.99	73	236267	51.548	ug/L 100
19) 1,1-Dichloroethane	3.44	63	141053	54.646	ug/L 100
20) cis-1,2-Dichloroethene	4.22	96	79569	50.591	ug/L 100
22) 2-Butanone	4.25	43	175873	119.121	ug/L 100
23) Bromochloromethane	4.54	128	42400	51.787	ug/L 100
25) Chloroform	4.67	83	144043	54.152	ug/L 100
27) 1,2-Dichloroethane	5.40	62	120514	56.591	ug/L 100
29) Cyclohexane	4.99	56	121915	49.053	ug/L 100
30) 1,1,1-Trichloroethane	4.91	97	127517	53.214	ug/L 100
31) Carbon tetrachloride	5.13	117	116331	52.845	ug/L 100
33) Benzene	5.38	78	301507	50.990	ug/L 100
34) Trichloroethene	6.18	95	79698	49.652	ug/L 100
35) Methylcyclohexane	6.41	83	125567	48.599	ug/L 100
37) 1,2-Dichloropropane	6.43	63	82634	52.145	ug/L 100
38) Bromodichloromethane	6.75	83	111022	54.186	ug/L 100
39) cis-1,3-Dichloropropene	7.26	75	128970	51.905	ug/L 100
40) 4-Methyl-2-pentanone	7.45	43	259997	103.496	ug/L 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.63	91	328882	50.848	ug/L	100
44) trans-1,3-Dichloropropene	7.87	75	122105	54.828	ug/L	100
45) 1,1,2-Trichloroethane	8.06	97	77396	52.147	ug/L	100
46) Tetrachloroethene	8.22	164	65552	49.566	ug/L	100
48) 2-Hexanone	8.36	43	233238	111.150	ug/L	100
49) Dibromochloromethane	8.47	129	93136	53.590	ug/L	100
50) 1,2-Dibromoethane	8.58	107	85661	51.304	ug/L	100
51) Chlorobenzene	9.11	112	211554	50.732	ug/L	100
52) Ethylbenzene	9.24	91	361737	50.294	ug/L	100
53) m,p-Xylene	9.37	106	136424	49.963	ug/L	100
54) o-xylene	9.77	106	134155	49.588	ug/L	100
55) Styrene	9.79	104	235145	51.779	ug/L	100
56) Isopropylbenzene	10.16	105	358528	50.214	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.45	83	135254	52.994	ug/L	100
59) 1,2,3-Trichloropropane	10.49	75	107815	52.605	ug/L	100
61) Bromoform	9.95	173	72452	53.117	ug/L	100
62) 1,3-Dichlorobenzene	11.41	146	170732	50.110	ug/L	100
63) 1,4-Dichlorobenzene	11.50	146	175332	49.972	ug/L	100
65) 1,2-Dichlorobenzene	11.87	146	174529	50.583	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.65	75	33815	57.340	ug/L	100
67) 1,3,5-Trichlorobenzene	12.88	180	135673	50.900	ug/L	100
68) 1,2,4-trichlorobenzene	13.50	180	122847	54.454	ug/L	100
69) Naphthalene	13.74	128	382207	54.007	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	127524	53.949	ug/L	100

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

