

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091919\
 Data File : VU034650.D
 Acq On : 19 Sep 2019 15:36
 Operator : JC/SP
 Sample : VSTD00531
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00531

Quant Time: Sep 19 17:20:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Sep 19 17:16:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	481070	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	457843	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	200749	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	28465	12.26	ug/L	0.00
7) Chloroethane-d5	1.67	69	22320	12.50	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.26	63	47835	10.07	ug/L	0.00
21) 2-Butanone-d5	4.17	46	31885	12.18	ug/L	0.02
24) Chloroform-d	4.62	84	38530	7.31	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.29	65	30363	9.44	ug/L	0.00
32) Benzene-d6	5.32	84	79271	7.87	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.31	67	27561	7.35	ug/L	0.00
41) Toluene-d8	7.55	98	75127	7.69	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.84	79	12637	7.07	ug/L	0.00
47) 2-Hexanone-d5	8.30	63	23994	11.80	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.41	84	37684	6.44	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.84	152	25423	7.10	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	30645	10.339 ug/L	98
3) Chloromethane	1.32	50	37586	12.426 ug/L	97
5) Vinyl chloride	1.40	62	32975	11.104 ug/L	96
6) Bromomethane	1.62	94	18446	11.882 ug/L	94
8) Chloroethane	1.69	64	19209	11.289 ug/L	95
9) Trichlorofluoromethane	1.88	101	42393	10.088 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	21021	8.395 ug/L	100
12) 1,1-Dichloroethene	2.27	96	19265	8.426 ug/L	97
13) Acetone	2.31	43	64676	27.499 ug/L	94
14) Carbon disulfide	2.46	76	63836	11.373 ug/L	97
15) Methyl Acetate	2.60	43	33100	8.599 ug/L	98
16) Methylene chloride	2.68	84	25698	8.504 ug/L	99
17) trans-1,2-Dichloroethene	2.96	96	20861	8.525 ug/L	89
18) Methyl tert-butyl Ether	2.98	73	77365	7.636 ug/L	97
19) 1,1-Dichloroethane	3.42	63	48493	8.802 ug/L	97
20) cis-1,2-Dichloroethene	4.21	96	24381	7.693 ug/L	90
22) 2-Butanone	4.25	43	63570	21.247 ug/L	82
23) Bromochloromethane	4.53	128	11709	7.826 ug/L	92
25) Chloroform	4.65	83	49452	8.583 ug/L	97
27) 1,2-Dichloroethane	5.39	62	40141	9.840 ug/L	100
29) Cyclohexane	4.97	56	47522	10.647 ug/L	99
30) 1,1,1-Trichloroethane	4.89	97	40397	8.830 ug/L	92
31) Carbon tetrachloride	5.11	117	32664	8.457 ug/L	97
33) Benzene	5.37	78	95269	8.203 ug/L	100
34) Trichloroethene	6.17	95	24656	8.523 ug/L	95
35) Methylcyclohexane	6.39	83	40992	9.346 ug/L	97
37) 1,2-Dichloropropane	6.41	63	29055	8.243 ug/L	99
38) Bromodichloromethane	6.74	83	34285	7.440 ug/L	96
39) cis-1,3-Dichloropropene	7.25	75	43297	8.176 ug/L	98
40) 4-Methyl-2-pentanone	7.44	43	106573	17.381 ug/L	100

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

42) Toluene	7.62	91	103027	8.228	ug/L	97
44) trans-1,3-Dichloropropene	7.86	75	35678	7.347	ug/L	94
45) 1,1,2-Trichloroethane	8.05	97	22551	7.010	ug/L	98
46) Tetrachloroethene	8.21	164	15772	8.213	ug/L	92
48) 2-Hexanone	8.35	43	83339	18.092	ug/L	96
49) Dibromochloromethane	8.46	129	24309	6.673	ug/L	95
50) 1,2-Dibromoethane	8.57	107	23469	6.980	ug/L #	96
51) Chlorobenzene	9.10	112	64904	7.934	ug/L	98
52) Ethylbenzene	9.23	91	120399	8.310	ug/L	98
53) m,p-Xylene	9.36	106	41067	7.884	ug/L	96
54) o-xylene	9.76	106	39010	7.382	ug/L	91
55) Styrene	9.77	104	65533	7.205	ug/L	97
56) Isopropylbenzene	10.14	105	110349	7.764	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.44	83	43669	6.827	ug/L	99
59) 1,2,3-Trichloropropane	10.47	75	36329	7.545	ug/L	100
61) Bromoform	9.94	173	15500	6.270	ug/L	93
62) 1,3-Dichlorobenzene	11.40	146	43463	7.487	ug/L	98
63) 1,4-Dichlorobenzene	11.49	146	46109	7.866	ug/L	97
65) 1,2-Dichlorobenzene	11.86	146	44387	7.580	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.64	75	8369	6.308	ug/L	97
67) 1,3,5-Trichlorobenzene	12.87	180	29257	7.733	ug/L	97
68) 1,2,4-trichlorobenzene	13.49	180	19862	6.145	ug/L	98
69) Naphthalene	13.73	128	72509	6.072	ug/L	98
70) 1,2,3-Trichlorobenzene	13.97	180	22075	6.671	ug/L	95

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

