

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081619\
 Data File : VU033811.D
 Acq On : 15 Aug 2019 15:27
 Operator : JC/SP
 Sample : VSTD05036
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05036

Quant Time: Aug 16 01:48:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM081619WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 16 01:44:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	409257	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	412179	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	222408	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	178034	56.75	ug/L	0.00
7) Chloroethane-d5	1.67	69	164207	52.62	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.26	63	293572	55.93	ug/L	0.00
21) 2-Butanone-d5	4.15	46	199073	105.97	ug/L	0.00
24) Chloroform-d	4.62	84	288603	61.00	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.29	65	179719	60.57	ug/L	0.00
32) Benzene-d6	5.32	84	567578	56.44	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.31	67	181360	58.17	ug/L	0.00
41) Toluene-d8	7.55	98	538851	56.91	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.83	79	85620	55.37	ug/L	0.00
47) 2-Hexanone-d5	8.29	63	143177	94.67	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.41	84	251673	55.19	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.84	152	210589	54.75	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	189435	59.378	ug/L 100
3) Chloromethane	1.32	50	193241	58.812	ug/L 100
5) Vinyl chloride	1.39	62	215303	58.775	ug/L 100
6) Bromomethane	1.62	94	163238	54.265	ug/L 100
8) Chloroethane	1.69	64	137134	50.803	ug/L 100
9) Trichlorofluoromethane	1.87	101	277757	56.477	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	135434	53.329	ug/L 100
12) 1,1-Dichloroethene	2.27	96	132985	53.277	ug/L 100
13) Acetone	2.31	43	178788	94.384	ug/L 100
14) Carbon disulfide	2.46	76	416925	58.153	ug/L 100
15) Methyl Acetate	2.60	43	148863	47.333	ug/L 100
16) Methylene chloride	2.68	84	151952	52.881	ug/L 100
17) trans-1,2-Dichloroethene	2.96	96	137381	51.848	ug/L 100
18) Methyl tert-butyl Ether	2.98	73	413369	48.549	ug/L 100
19) 1,1-Dichloroethane	3.42	63	265546	52.835	ug/L 100
20) cis-1,2-Dichloroethene	4.20	96	154913	51.531	ug/L 100
22) 2-Butanone	4.24	43	221652	95.278	ug/L 100
23) Bromochloromethane	4.52	128	82869	53.249	ug/L 100
25) Chloroform	4.65	83	275397	52.589	ug/L 100
27) 1,2-Dichloroethane	5.38	62	213986	53.556	ug/L 100
29) Cyclohexane	4.97	56	216399	49.107	ug/L 100
30) 1,1,1-Trichloroethane	4.89	97	230867	50.573	ug/L 100
31) Carbon tetrachloride	5.11	117	209251	50.829	ug/L 100
33) Benzene	5.37	78	602548	51.279	ug/L 100
34) Trichloroethene	6.16	95	156660	50.608	ug/L 100
35) Methylcyclohexane	6.40	83	235035	50.191	ug/L 100
37) 1,2-Dichloropropane	6.41	63	162303	51.765	ug/L 100
38) Bromodichloromethane	6.74	83	206326	51.293	ug/L 100
39) cis-1,3-Dichloropropene	7.25	75	242165	49.077	ug/L 100
40) 4-Methyl-2-pentanone	7.44	43	397460	88.634	ug/L 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.62	91	649665	51.299	ug/L	100
44) trans-1,3-Dichloropropene	7.86	75	220911	50.357	ug/L	100
45) 1,1,2-Trichloroethane	8.05	97	151271	49.828	ug/L	100
46) Tetrachloroethene	8.21	164	124793	49.383	ug/L	100
48) 2-Hexanone	8.34	43	321373	90.693	ug/L	100
49) Dibromochloromethane	8.46	129	172967	50.651	ug/L	100
50) 1,2-Dibromoethane	8.57	107	163513	48.932	ug/L	100
51) Chlorobenzene	9.10	112	410516	49.566	ug/L	100
52) Ethylbenzene	9.23	91	684195	49.698	ug/L	100
53) m,p-Xylene	9.36	106	261371	49.796	ug/L	100
54) o-xylene	9.76	106	254343	49.087	ug/L	100
55) Styrene	9.77	104	447604	51.235	ug/L	100
56) Isopropylbenzene	10.15	105	661578	48.821	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.44	83	248517	47.183	ug/L	100
59) 1,2,3-Trichloropropane	10.48	75	199068	47.622	ug/L	100
61) Bromoform	9.94	173	129017	47.853	ug/L	100
62) 1,3-Dichlorobenzene	11.40	146	329719	48.234	ug/L	100
63) 1,4-Dichlorobenzene	11.49	146	336221	48.518	ug/L	100
65) 1,2-Dichlorobenzene	11.86	146	331673	49.070	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.64	75	53959	43.451	ug/L	100
67) 1,3,5-Trichlorobenzene	12.87	180	254430	47.232	ug/L	100
68) 1,2,4-trichlorobenzene	13.49	180	210059	43.860	ug/L	100
69) Naphthalene	13.73	128	617914	43.478	ug/L	100
70) 1,2,3-Trichlorobenzene	13.97	180	231459	46.103	ug/L	100

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

