

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072919\
 Data File : VU033467.D
 Acq On : 29 Jul 2019 11:43
 Operator : JC/SP
 Sample : VSTD00533
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00533

Quant Time: Jul 30 03:44:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMULM072919W.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jul 30 03:41:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	294401	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	293304	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.47	152	140487	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	13164	4.85	ug/L	0.00
7) Chloroethane-d5	1.67	69	11249	5.02	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.26	63	25093	4.77	ug/L	0.00
21) 2-Butanone-d5	4.17	46	14049	8.78	ug/L	0.02
24) Chloroform-d	4.63	84	18952	4.62	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.29	65	13366	5.10	ug/L	0.00
32) Benzene-d6	5.32	84	37876	4.65	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.31	67	11585	4.57	ug/L	0.00
41) Toluene-d8	7.55	98	34367	4.45	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.84	79	5377	4.31	ug/L	0.00
47) 2-Hexanone-d5	8.30	63	8026	7.38	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	10.42	84	18678	4.98	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.85	152	13842	5.27	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	16226	5.657 ug/L	99
3) Chloromethane	1.32	50	16796	5.794 ug/L	99
5) Vinyl chloride	1.40	62	18429	5.566 ug/L	98
6) Bromomethane	1.62	94	11698	5.624 ug/L	100
8) Chloroethane	1.69	64	11427	5.719 ug/L	96
9) Trichlorofluoromethane	1.87	101	24225	5.581 ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	12301	5.442 ug/L	98
12) 1,1-Dichloroethene	2.27	96	12001	5.369 ug/L	86
13) Acetone	2.31	43	19592	13.184 ug/L	100
14) Carbon disulfide	2.46	76	36729	5.923 ug/L	99
15) Methyl Acetate	2.60	43	13686	5.778 ug/L	95
16) Methylene chloride	2.68	84	13349	5.728 ug/L	96
17) trans-1,2-Dichloroethene	2.96	96	12080	5.878 ug/L	97
18) Methyl tert-butyl Ether	2.98	73	31477	4.983 ug/L	97
19) 1,1-Dichloroethane	3.42	63	22167	5.527 ug/L	93
20) cis-1,2-Dichloroethene	4.21	96	12558	5.401 ug/L	92
22) 2-Butanone	4.24	43	19235	10.536 ug/L	93
23) Bromochloromethane	4.53	128	6886	5.683 ug/L	99
25) Chloroform	4.65	83	23599	5.589 ug/L	98
27) 1,2-Dichloroethane	5.38	62	18479	5.636 ug/L	97
29) Cyclohexane	4.97	56	15511	4.717 ug/L	94
30) 1,1,1-Trichloroethane	4.89	97	19430	5.669 ug/L	98
31) Carbon tetrachloride	5.11	117	17420	5.702 ug/L	97
33) Benzene	5.37	78	47421	5.396 ug/L	100
34) Trichloroethene	6.17	95	12893	5.754 ug/L	96
35) Methylcyclohexane	6.39	83	18058	5.303 ug/L	96
37) 1,2-Dichloropropane	6.41	63	12873	5.539 ug/L	99
38) Bromodichloromethane	6.74	83	17529	5.825 ug/L	96
39) cis-1,3-Dichloropropene	7.25	75	16602	4.589 ug/L	97
40) 4-Methyl-2-pentanone	7.44	43	31600	10.061 ug/L	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.62	91	47085	4.881	ug/L	97
44) trans-1,3-Dichloropropene	7.86	75	15919	4.926	ug/L	97
45) 1,1,2-Trichloroethane	8.05	97	12180	5.489	ug/L	99
46) Tetrachloroethene	8.21	164	10356	5.808	ug/L	95
48) 2-Hexanone	8.35	43	26021	10.089	ug/L	97
49) Dibromochloromethane	8.46	129	12902	5.136	ug/L	99
50) 1,2-Dibromoethane	8.57	107	13025	5.378	ug/L #	99
51) Chlorobenzene	9.10	112	33966	5.508	ug/L	97
52) Ethylbenzene	9.23	91	51562	5.001	ug/L	99
53) m,p-Xylene	9.36	106	18299	4.605	ug/L	99
54) o-xylene	9.76	106	17713	4.611	ug/L	99
55) Styrene	9.78	104	28322	4.255	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.44	83	22247	5.780	ug/L #	99
59) Bromoform	9.94	173	9490	5.630	ug/L	98
60) 1,2,3-Trichloropropane	10.48	75	17085	6.260	ug/L	97
61) Isopropylbenzene	10.15	105	45681	5.089	ug/L	99
62) 1,3,5-Trimethylbenzene	10.76	105	32281	4.298	ug/L	98
63) 1,2,4-Trimethylbenzene	11.13	105	31107	4.111	ug/L	99
64) 1,3-Dichlorobenzene	11.40	146	26091	6.000	ug/L	98
65) 1,4-Dichlorobenzene	11.49	146	28469	6.486	ug/L	97
67) 1,2-Dichlorobenzene	11.86	146	25731	5.811	ug/L	97
68) 1,2-Dibromo-3-chloropropan	12.65	75	4429	5.723	ug/L	89
69) 1,3,5-Trichlorobenzene	12.88	180	20183	6.147	ug/L	99
70) 1,2,4-trichlorobenzene	13.49	180	15198	5.502	ug/L	100
71) Naphthalene	13.73	128	42837	5.085	ug/L	97
72) 1,2,3-Trichlorobenzene	13.98	180	16382	5.472	ug/L	96

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

