

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072919\
 Data File : VU033470.D
 Acq On : 29 Jul 2019 12:57
 Operator : JC/SP
 Sample : VSTD10036
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10036

Quant Time: Jul 30 03:46:28 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	324717	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	335176	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.47	152	177372	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	296857	99.07	ug/L	0.00
7) Chloroethane-d5	1.66	69	244525	98.86	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.25	63	524378	90.41	ug/L	0.00
21) 2-Butanone-d5	4.15	46	353568	200.42	ug/L	0.00
24) Chloroform-d	4.62	84	451880	99.90	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.28	65	280353	96.98	ug/L	0.00
32) Benzene-d6	5.31	84	916607	98.53	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.31	67	282978	97.70	ug/L	0.00
41) Toluene-d8	7.55	98	880724	99.73	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.83	79	142495	99.99	ug/L	0.00
47) 2-Hexanone-d5	8.29	63	251714	202.41	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	10.41	84	424656	99.15	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.85	152	345098	104.06	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	305197	96.468 ug/L	99
3) Chloromethane	1.32	50	298253	93.282 ug/L	99
5) Vinyl chloride	1.39	62	354803	97.161 ug/L	100
6) Bromomethane	1.60	94	226594	98.774 ug/L	99
8) Chloroethane	1.68	64	214004	97.106 ug/L	99
9) Trichlorofluoromethane	1.87	101	463085	96.727 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	224511	90.055 ug/L	99
12) 1,1-Dichloroethene	2.27	96	224492	91.059 ug/L	92
13) Acetone	2.31	43	295840	180.492 ug/L	99
14) Carbon disulfide	2.46	76	663887	97.067 ug/L	99
15) Methyl Acetate	2.60	43	254306	97.335 ug/L	99
16) Methylene chloride	2.68	84	245897	95.663 ug/L	99
17) trans-1,2-Dichloroethene	2.96	96	224358	98.978 ug/L	98
18) Methyl tert-butyl Ether	2.98	73	708451	101.672 ug/L	99
19) 1,1-Dichloroethane	3.42	63	425168	96.121 ug/L	99
20) cis-1,2-Dichloroethene	4.20	96	257426	100.371 ug/L	99
22) 2-Butanone	4.23	43	398761	198.030 ug/L	98
23) Bromochloromethane	4.52	128	132446	99.100 ug/L	98
25) Chloroform	4.65	83	442852	95.089 ug/L	99
27) 1,2-Dichloroethane	5.38	62	352698	97.526 ug/L	99
29) Cyclohexane	4.97	56	377157	100.367 ug/L	99
30) 1,1,1-Trichloroethane	4.89	97	377502	96.385 ug/L	99
31) Carbon tetrachloride	5.11	117	339642	97.284 ug/L	100
33) Benzene	5.37	78	972281	96.822 ug/L	100
34) Trichloroethene	6.16	95	248445	97.032 ug/L	99
35) Methylcyclohexane	6.40	83	397178	102.063 ug/L	98
37) 1,2-Dichloropropane	6.41	63	258099	97.179 ug/L	100
38) Bromodichloromethane	6.74	83	333521	96.986 ug/L	99
39) cis-1,3-Dichloropropene	7.25	75	414435	100.254 ug/L	98
40) 4-Methyl-2-pentanone	7.44	43	713240	198.719 ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.62	91	1089625	98.845	ug/L	99
44) trans-1,3-Dichloropropene	7.86	75	372453	100.853	ug/L	99
45) 1,1,2-Trichloroethane	8.05	97	248062	97.827	ug/L	99
46) Tetrachloroethene	8.21	164	204560	100.394	ug/L	99
48) 2-Hexanone	8.34	43	578074	196.138	ug/L	99
49) Dibromochloromethane	8.46	129	282804	98.523	ug/L	99
50) 1,2-Dibromoethane	8.57	107	271774	98.198	ug/L	98
51) Chlorobenzene	9.10	112	689345	97.821	ug/L	99
52) Ethylbenzene	9.23	91	1180254	100.182	ug/L	99
53) m,p-Xylene	9.36	106	457269	100.688	ug/L	99
54) o-xylene	9.76	106	450620	102.654	ug/L	99
55) Styrene	9.77	104	774466	101.807	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.44	83	436375	99.208	ug/L	99
59) Bromoform	9.94	173	217253	102.093	ug/L	98
60) 1,2,3-Trichloropropane	10.48	75	331675	96.257	ug/L	99
61) Isopropylbenzene	10.15	105	1157812	102.169	ug/L	99
62) 1,3,5-Trimethylbenzene	10.76	105	996576	105.105	ug/L	99
63) 1,2,4-Trimethylbenzene	11.13	105	997531	104.424	ug/L	99
64) 1,3-Dichlorobenzene	11.40	146	554607	101.011	ug/L	100
65) 1,4-Dichlorobenzene	11.49	146	560975	101.227	ug/L	100
67) 1,2-Dichlorobenzene	11.86	146	558942	99.981	ug/L	98
68) 1,2-Dibromo-3-chloropropan	12.64	75	97721	100.012	ug/L	97
69) 1,3,5-Trichlorobenzene	12.87	180	423960	102.268	ug/L	99
70) 1,2,4-trichlorobenzene	13.49	180	378411	108.511	ug/L	99
71) Naphthalene	13.73	128	1159592	109.021	ug/L	100
72) 1,2,3-Trichlorobenzene	13.97	180	388471	102.783	ug/L	100

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

