

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU073119\
 Data File : VU033495.D
 Acq On : 30 Jul 2019 16:08
 Operator : JC/SP
 Sample : VSTD10031
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10031

Quant Time: Jul 31 07:39:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM073119WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jul 31 07:35:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	334357	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	330638	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	180100	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	237335	94.07	ug/L	0.00
7) Chloroethane-d5	1.67	69	208655	96.34	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.26	63	432867	96.76	ug/L	0.00
21) 2-Butanone-d5	4.15	46	329724	203.48	ug/L	0.00
24) Chloroform-d	4.62	84	408278	96.68	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.29	65	249990	92.26	ug/L	0.00
32) Benzene-d6	5.32	84	819832	100.30	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.31	67	255783	97.63	ug/L	0.00
41) Toluene-d8	7.55	98	785630	102.01	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.83	79	132593	104.10	ug/L	0.00
47) 2-Hexanone-d5	8.29	63	266817	222.37	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.41	84	385377	97.40	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.84	152	318291	98.59	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	312641	93.939 ug/L	99
3) Chloromethane	1.32	50	316299	95.885 ug/L	100
5) Vinyl chloride	1.39	62	341559	91.028 ug/L	98
6) Bromomethane	1.62	94	374203	147.784 ug/L	99
8) Chloroethane	1.68	64	206137	90.420 ug/L	98
9) Trichlorofluoromethane	1.87	101	445400	90.334 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	219034	96.128 ug/L	99
12) 1,1-Dichloroethene	2.27	96	216200	97.171 ug/L	95
13) Acetone	2.31	43	318100	159.455 ug/L	99
14) Carbon disulfide	2.46	76	664474	96.619 ug/L	100
15) Methyl Acetate	2.60	43	265043	99.575 ug/L	100
16) Methylene chloride	2.68	84	245911	95.737 ug/L	99
17) trans-1,2-Dichloroethene	2.96	96	227874	97.938 ug/L	98
18) Methyl tert-butyl Ether	2.98	73	715740	99.646 ug/L	100
19) 1,1-Dichloroethane	3.42	63	427147	95.677 ug/L	99
20) cis-1,2-Dichloroethene	4.20	96	258598	98.729 ug/L	97
22) 2-Butanone	4.23	43	414929	185.371 ug/L	98
23) Bromochloromethane	4.52	128	131496	97.214 ug/L	99
25) Chloroform	4.65	83	441728	92.777 ug/L	100
27) 1,2-Dichloroethane	5.38	62	347113	94.828 ug/L	100
29) Cyclohexane	4.97	56	379705	103.867 ug/L	99
30) 1,1,1-Trichloroethane	4.89	97	380348	97.048 ug/L	99
31) Carbon tetrachloride	5.11	117	337094	98.434 ug/L	100
33) Benzene	5.37	78	966953	98.746 ug/L	100
34) Trichloroethene	6.16	95	249801	97.693 ug/L	98
35) Methylcyclohexane	6.40	83	414660	105.311 ug/L	99
37) 1,2-Dichloropropane	6.41	63	255991	96.746 ug/L	100
38) Bromodichloromethane	6.74	83	336041	98.552 ug/L	100
39) cis-1,3-Dichloropropene	7.25	75	421488	102.751 ug/L	99
40) 4-Methyl-2-pentanone	7.44	43	741463	206.679 ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.62	91	1066586	101.130	ug/L	100
44) trans-1,3-Dichloropropene	7.86	75	378151	103.255	ug/L	100
45) 1,1,2-Trichloroethane	8.05	97	248241	99.083	ug/L	99
46) Tetrachloroethene	8.21	164	207513	103.386	ug/L	98
48) 2-Hexanone	8.34	43	594815	203.630	ug/L	98
49) Dibromochloromethane	8.46	129	286489	101.882	ug/L	99
50) 1,2-Dibromoethane	8.57	107	273916	99.976	ug/L	98
51) Chlorobenzene	9.10	112	677825	98.458	ug/L	99
52) Ethylbenzene	9.23	91	1171168	103.893	ug/L	99
53) m,p-Xylene	9.36	106	454828	106.532	ug/L	98
54) o-xylene	9.76	106	441268	103.910	ug/L	99
55) Styrene	9.77	104	763816	106.207	ug/L	100
56) Isopropylbenzene	10.15	105	1151492	105.373	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.44	83	435581	98.537	ug/L	100
59) 1,2,3-Trichloropropane	10.48	75	337229	97.320	ug/L	100
61) Bromoform	9.94	173	224750	100.139	ug/L	99
62) 1,3-Dichlorobenzene	11.40	146	559741	99.217	ug/L	99
63) 1,4-Dichlorobenzene	11.49	146	566612	96.412	ug/L	100
65) 1,2-Dichlorobenzene	11.86	146	562292	97.546	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.64	75	106680	97.174	ug/L	97
67) 1,3,5-Trichlorobenzene	12.87	180	452819	109.475	ug/L	99
68) 1,2,4-trichlorobenzene	13.49	180	414623	114.688	ug/L	99
69) Naphthalene	13.73	128	1244036	109.762	ug/L	100
70) 1,2,3-Trichlorobenzene	13.97	180	425687	108.420	ug/L	98

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

