

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU113018\
 Data File : VU028408.D
 Acq On : 30 Nov 2018 09:04
 Operator : MD/SY
 Sample : VSTD00553
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00553

Quant Time: Nov 30 22:52:54 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Nov 30 22:49:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	503951	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	474652	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	219015	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	21685	4.81	ug/L	0.00
7) Chloroethane-d5	1.68	69	16602	4.80	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.27	63	39173	4.89	ug/L	0.00
21) 2-Butanone-d5	4.19	46	32842	8.88	ug/L	0.01
24) Chloroform-d	4.65	84	34802	4.78	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	25498	5.15	ug/L	0.00
32) Benzene-d6	5.34	84	71038	4.81	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.33	67	26221	4.92	ug/L	0.00
41) Toluene-d8	7.57	98	65391	4.88	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	11495	4.77	ug/L	0.00
47) 2-Hexanone-d5	8.31	63	23028	8.94	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	30886	4.53	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	21553	4.89	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	22667	5.030 ug/L	97
3) Chloromethane	1.33	50	30677	4.712 ug/L	94
5) Vinyl chloride	1.40	62	26996	4.848 ug/L	98
6) Bromomethane	1.63	94	8389	5.352 ug/L	96
8) Chloroethane	1.70	64	15586	4.986 ug/L	97
9) Trichlorofluoromethane	1.89	101	28393	5.007 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	16681	5.067 ug/L	99
12) 1,1-Dichloroethene	2.28	96	15565	4.894 ug/L	93
13) Acetone	2.32	43	44709	11.614 ug/L	100
14) Carbon disulfide	2.48	76	59589	4.949 ug/L	98
15) Methyl Acetate	2.62	43	27598	4.846 ug/L	98
16) Methylene chloride	2.70	84	19921	4.839 ug/L	98
17) trans-1,2-Dichloroethene	2.98	96	17284	4.796 ug/L	96
18) Methyl tert-butyl Ether	3.00	73	61960	4.947 ug/L	96
19) 1,1-Dichloroethane	3.44	63	37806	4.856 ug/L	97
20) cis-1,2-Dichloroethene	4.22	96	21041	5.076 ug/L	95
22) 2-Butanone	4.27	43	48568	10.079 ug/L	77
23) Bromochloromethane	4.55	128	9100	5.018 ug/L	92
25) Chloroform	4.67	83	35169	4.934 ug/L	93
27) 1,2-Dichloroethane	5.40	62	28736	4.870 ug/L	99
29) Cyclohexane	4.99	56	38665	5.019 ug/L	100
30) 1,1,1-Trichloroethane	4.92	97	27456	4.887 ug/L	98
31) Carbon tetrachloride	5.13	117	21910	4.842 ug/L	99
33) Benzene	5.39	78	80350	4.928 ug/L	100
34) Trichloroethene	6.18	95	19668	5.045 ug/L	99
35) Methylcyclohexane	6.41	83	34647	5.105 ug/L	99
37) 1,2-Dichloropropane	6.43	63	24058	4.976 ug/L #	98
38) Bromodichloromethane	6.76	83	26522	4.944 ug/L	96
39) cis-1,3-Dichloropropene	7.27	75	31808	4.634 ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	74048	9.685 ug/L	98

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

42) Toluene	7.64	91	79890	4.815	ug/L	98
44) trans-1,3-Dichloropropene	7.88	75	29531	4.695	ug/L	92
45) 1,1,2-Trichloroethane	8.07	97	18283	4.863	ug/L	97
46) Tetrachloroethene	8.23	164	13499	4.924	ug/L	95
48) 2-Hexanone	8.36	43	65323	10.169	ug/L	96
49) Dibromochloromethane	8.48	129	18082	4.702	ug/L	96
50) 1,2-Dibromoethane	8.59	107	20218	5.003	ug/L #	92
51) Chlorobenzene	9.12	112	48146	4.864	ug/L	99
52) Ethylbenzene	9.25	91	88525	4.830	ug/L	99
53) m,p-Xylene	9.38	106	31219	4.775	ug/L	94
54) o-xylene	9.78	106	30938	4.778	ug/L	95
55) Styrene	9.79	104	52108	4.697	ug/L	94
56) Isopropylbenzene	10.17	105	82595	4.835	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	33587	4.789	ug/L	96
59) 1,2,3-Trichloropropane	10.49	75	26958	4.913	ug/L	99
61) Bromoform	9.96	173	13929	5.170	ug/L	96
62) 1,3-Dichlorobenzene	11.42	146	36535	5.118	ug/L	98
63) 1,4-Dichlorobenzene	11.51	146	36139	5.027	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	34792	4.910	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.66	75	6944	4.865	ug/L	95
67) 1,3,5-Trichlorobenzene	12.89	180	25265	4.811	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	23914	4.890	ug/L	97
69) Naphthalene	13.74	128	79023	4.634	ug/L	98
70) 1,2,3-Trichlorobenzene	13.99	180	23263	4.722	ug/L	99

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

