

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\U122018\
 Data File : VU028811.D
 Acq On : 20 Dec 2018 09:46
 Operator : MD/SY
 Sample : VSTD01056
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01056

Quant Time: Dec 21 03:31:49 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 21 03:28:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	187722	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	174989	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	77185	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	14990	9.96	ug/L	0.00
7) Chloroethane-d5	1.67	69	11868	10.21	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.27	63	26118	10.32	ug/L	0.00
21) 2-Butanone-d5	4.18	46	21107	20.02	ug/L	0.00
24) Chloroform-d	4.65	84	23766	10.04	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	15022	10.30	ug/L	0.00
32) Benzene-d6	5.34	84	51216	10.36	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.33	67	17570	10.46	ug/L	0.00
41) Toluene-d8	7.57	98	45500	10.16	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	7325	9.73	ug/L	0.00
47) 2-Hexanone-d5	8.31	63	15433	19.35	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	24451	10.49	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	15869	10.17	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	16100	10.518 ug/L	98
3) Chloromethane	1.33	50	21394	10.278 ug/L	99
5) Vinyl chloride	1.40	62	18405	10.009 ug/L	99
6) Bromomethane	1.61	94	7933	10.128 ug/L	100
8) Chloroethane	1.69	64	10753	10.245 ug/L	97
9) Trichlorofluoromethane	1.88	101	19438	10.337 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	12274	10.089 ug/L	99
12) 1,1-Dichloroethene	2.28	96	12775	10.614 ug/L	91
13) Acetone	2.32	43	23555	21.921 ug/L	99
14) Carbon disulfide	2.48	76	43476	10.344 ug/L	99
15) Methyl Acetate	2.62	43	17533	10.466 ug/L	97
16) Methylene chloride	2.70	84	15483	10.431 ug/L	99
17) trans-1,2-Dichloroethene	2.98	96	13271	10.177 ug/L	94
18) Methyl tert-butyl Ether	3.00	73	40850	10.187 ug/L	99
19) 1,1-Dichloroethane	3.44	63	26750	10.553 ug/L	98
20) cis-1,2-Dichloroethene	4.22	96	14623	9.899 ug/L	93
22) 2-Butanone	4.26	43	27356	20.906 ug/L	98
23) Bromochloromethane	4.55	128	7267	10.320 ug/L	94
25) Chloroform	4.67	83	25402	10.528 ug/L	98
27) 1,2-Dichloroethane	5.40	62	18495	10.315 ug/L	98
29) Cyclohexane	4.99	56	23891	10.258 ug/L	99
30) 1,1,1-Trichloroethane	4.91	97	19651	10.610 ug/L	99
31) Carbon tetrachloride	5.13	117	15725	10.528 ug/L	99
33) Benzene	5.39	78	58653	10.528 ug/L	100
34) Trichloroethene	6.19	95	14187	10.548 ug/L	95
35) Methylcyclohexane	6.41	83	22460	10.026 ug/L	99
37) 1,2-Dichloropropane	6.43	63	16536	10.618 ug/L	# 97
38) Bromodichloromethane	6.76	83	18328	10.628 ug/L	100
39) cis-1,3-Dichloropropene	7.27	75	22577	10.169 ug/L	97
40) 4-Methyl-2-pentanone	7.46	43	43678	20.867 ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.64	91	58172	10.301	ug/L	100
44) trans-1,3-Dichloropropene	7.88	75	19879	10.045	ug/L	97
45) 1,1,2-Trichloroethane	8.07	97	14088	10.581	ug/L	99
46) Tetrachloroethene	8.23	164	10812	10.438	ug/L	93
48) 2-Hexanone	8.36	43	34976	20.359	ug/L	99
49) Dibromochloromethane	8.48	129	13603	10.257	ug/L	100
50) 1,2-Dibromoethane	8.58	107	14356	10.363	ug/L	93
51) Chlorobenzene	9.12	112	37202	10.453	ug/L	98
52) Ethylbenzene	9.25	91	61364	10.113	ug/L	99
53) m,p-Xylene	9.37	106	22239	9.911	ug/L	99
54) o-xylene	9.78	106	21969	9.769	ug/L	93
55) Styrene	9.79	104	36853	9.675	ug/L	99
56) Isopropylbenzene	10.16	105	57103	10.009	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	25928	10.719	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	19184	10.323	ug/L	100
61) Bromoform	9.96	173	10120	10.577	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	25470	10.388	ug/L	97
63) 1,4-Dichlorobenzene	11.51	146	26874	10.638	ug/L	98
65) 1,2-Dichlorobenzene	11.88	146	27096	10.594	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.66	75	4727	10.714	ug/L	93
67) 1,3,5-Trichlorobenzene	12.89	180	17113	9.466	ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	13863	9.157	ug/L	98
69) Naphthalene	13.74	128	45395	8.637	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	15481	9.484	ug/L	97

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

