

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU122018\
 Data File : VU028814.D
 Acq On : 20 Dec 2018 10:58
 Operator : MD/SY
 Sample : VSTD20059
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD20059

Quant Time: Dec 21 03:33:32 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	197591	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	196483	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	101117	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	335703	211.92	ug/L	0.00
7) Chloroethane-d5	1.66	69	253006	206.79	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.27	63	557794	209.39	ug/L	0.00
21) 2-Butanone-d5	4.17	46	491590	442.94	ug/L	0.00
24) Chloroform-d	4.65	84	531163	213.24	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	321623	209.46	ug/L	0.00
32) Benzene-d6	5.34	84	1148144	206.84	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.33	67	392399	208.09	ug/L	0.00
41) Toluene-d8	7.57	98	1066482	212.01	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	183709	217.41	ug/L	0.00
47) 2-Hexanone-d5	8.31	63	411364	459.30	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	566774	216.65	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	421811	206.25	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	323249	200.628	ug/L	99
3) Chloromethane	1.33	50	438705	200.243	ug/L	98
5) Vinyl chloride	1.40	62	401644	207.518	ug/L	99
6) Bromomethane	1.60	94	181247	219.844	ug/L	98
8) Chloroethane	1.68	64	223400	202.218	ug/L	98
9) Trichlorofluoromethane	1.88	101	398583	201.386	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	257334	200.955	ug/L	99
12) 1,1-Dichloroethene	2.28	96	258164	203.776	ug/L	90
13) Acetone	2.32	43	402823	356.157	ug/L	99
14) Carbon disulfide	2.47	76	896825	202.711	ug/L	100
15) Methyl Acetate	2.61	43	350428	198.733	ug/L	100
16) Methylene chloride	2.70	84	313388	200.587	ug/L	98
17) trans-1,2-Dichloroethene	2.98	96	283533	206.571	ug/L	99
18) Methyl tert-butyl Ether	3.00	73	876429	207.652	ug/L	99
19) 1,1-Dichloroethane	3.44	63	547046	205.028	ug/L	99
20) cis-1,2-Dichloroethene	4.22	96	324128	208.464	ug/L	96
22) 2-Butanone	4.26	43	557107	404.495	ug/L	100
23) Bromochloromethane	4.55	128	145979	196.947	ug/L	97
25) Chloroform	4.67	83	512365	201.755	ug/L	99
27) 1,2-Dichloroethane	5.40	62	389885	206.580	ug/L	99
29) Cyclohexane	4.99	56	532630	203.676	ug/L	99
30) 1,1,1-Trichloroethane	4.91	97	410264	197.278	ug/L	100
31) Carbon tetrachloride	5.13	117	339180	202.251	ug/L	99
33) Benzene	5.39	78	1244021	198.876	ug/L	100
34) Trichloroethene	6.18	95	301752	199.812	ug/L	96
35) Methylcyclohexane	6.41	83	521531	207.348	ug/L	99
37) 1,2-Dichloropropane	6.43	63	347812	198.911	ug/L	100
38) Bromodichloromethane	6.76	83	390017	201.416	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	527569	211.630	ug/L	98
40) 4-Methyl-2-pentanone	7.46	43	975028	414.857	ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.64	91	1302579	205.424	ug/L	100
44) trans-1,3-Dichloropropene	7.88	75	472676	212.710	ug/L	99
45) 1,1,2-Trichloroethane	8.06	97	299581	200.381	ug/L	99
46) Tetrachloroethene	8.22	164	234178	201.341	ug/L	99
48) 2-Hexanone	8.36	43	799189	414.301	ug/L	99
49) Dibromochloromethane	8.48	129	311651	209.278	ug/L	99
50) 1,2-Dibromoethane	8.58	107	319783	205.581	ug/L	100
51) Chlorobenzene	9.12	112	820441	205.300	ug/L	99
52) Ethylbenzene	9.25	91	1441770	211.608	ug/L	99
53) m,p-Xylene	9.37	106	540153	214.388	ug/L	100
54) o-xylene	9.78	106	538368	213.198	ug/L	98
55) Styrene	9.79	104	946148	221.231	ug/L	99
56) Isopropylbenzene	10.16	105	1381893	215.722	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.46	83	565210	208.103	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	426563	204.422	ug/L	100
61) Bromoform	9.95	173	248593	198.321	ug/L	100
62) 1,3-Dichlorobenzene	11.41	146	650729	202.585	ug/L	98
63) 1,4-Dichlorobenzene	11.50	146	661246	199.808	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	664585	198.338	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.65	75	114725	198.491	ug/L	98
67) 1,3,5-Trichlorobenzene	12.89	180	499810	211.040	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	453874	228.855	ug/L	98
69) Naphthalene	13.74	128	1523324	221.235	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	456357	213.398	ug/L	99

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

