

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU122018\
 Data File : VU028810.D
 Acq On : 20 Dec 2018 09:21
 Operator : MD/SY
 Sample : VSTD00555
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00555

Quant Time: Dec 21 03:31:17 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	170469	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	159524	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	68342	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	5570	4.08	ug/L	0.00
7) Chloroethane-d5	1.67	69	4534	4.30	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.27	63	9698	4.22	ug/L	0.00
21) 2-Butanone-d5	4.19	46	6790	7.09	ug/L	0.02
24) Chloroform-d	4.65	84	8715	4.06	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	5586	4.22	ug/L	0.00
32) Benzene-d6	5.34	84	18468	4.10	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.33	67	6276	4.10	ug/L	0.00
41) Toluene-d8	7.57	98	16135	3.95	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	2661	3.88	ug/L	0.00
47) 2-Hexanone-d5	8.31	63	4863	6.69	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	8257	3.89	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	6140	4.44	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	6435	4.629 ug/L	100
3) Chloromethane	1.33	50	9231	4.884 ug/L	99
5) Vinyl chloride	1.40	62	7519	4.503 ug/L	96
6) Bromomethane	1.62	94	3377	4.748 ug/L	96
8) Chloroethane	1.69	64	4339	4.552 ug/L	95
9) Trichlorofluoromethane	1.88	101	7633	4.470 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	5225	4.729 ug/L	95
12) 1,1-Dichloroethene	2.28	96	4876	4.461 ug/L	95
13) Acetone	2.32	43	9999	10.247 ug/L	94
14) Carbon disulfide	2.48	76	17901	4.690 ug/L	99
15) Methyl Acetate	2.62	43	7104	4.670 ug/L	95
16) Methylene chloride	2.70	84	6332	4.698 ug/L	96
17) trans-1,2-Dichloroethene	2.98	96	5368	4.533 ug/L	90
18) Methyl tert-butyl Ether	3.00	73	16101	4.422 ug/L	98
19) 1,1-Dichloroethane	3.44	63	10097	4.386 ug/L	95
20) cis-1,2-Dichloroethene	4.23	96	6090	4.540 ug/L	92
22) 2-Butanone	4.27	43	10249	8.625 ug/L	96
23) Bromochloromethane	4.55	128	3072	4.804 ug/L	93
25) Chloroform	4.67	83	9947	4.540 ug/L	100
27) 1,2-Dichloroethane	5.40	62	7166	4.401 ug/L	98
29) Cyclohexane	4.99	56	9446	4.449 ug/L #	90
30) 1,1,1-Trichloroethane	4.91	97	7895	4.676 ug/L	97
31) Carbon tetrachloride	5.13	117	6100	4.480 ug/L	98
33) Benzene	5.39	78	23012	4.531 ug/L	100
34) Trichloroethene	6.19	95	5743	4.684 ug/L	96
35) Methylcyclohexane	6.41	83	8828	4.323 ug/L	98
37) 1,2-Dichloropropane	6.43	63	6469	4.557 ug/L #	98
38) Bromodichloromethane	6.76	83	6837	4.349 ug/L	94
39) cis-1,3-Dichloropropene	7.27	75	8537	4.218 ug/L	97
40) 4-Methyl-2-pentanone	7.46	43	16092	8.433 ug/L	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.64	91	22406	4.352	ug/L	98
44) trans-1,3-Dichloropropene	7.88	75	7471	4.141	ug/L	97
45) 1,1,2-Trichloroethane	8.07	97	5562	4.582	ug/L	97
46) Tetrachloroethene	8.23	164	4434	4.695	ug/L	89
48) 2-Hexanone	8.36	43	13622	8.698	ug/L	99
49) Dibromochloromethane	8.48	129	5248	4.341	ug/L	92
50) 1,2-Dibromoethane	8.59	107	5520	4.371	ug/L	93
51) Chlorobenzene	9.12	112	14440	4.450	ug/L	96
52) Ethylbenzene	9.25	91	23321	4.216	ug/L	97
53) m,p-Xylene	9.38	106	8509	4.160	ug/L	98
54) o-xylene	9.78	106	8768	4.277	ug/L	99
55) Styrene	9.79	104	13670	3.937	ug/L	97
56) Isopropylbenzene	10.17	105	21327	4.101	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.46	83	9429	4.276	ug/L	90
59) 1,2,3-Trichloropropane	10.49	75	7861	4.640	ug/L	99
61) Bromoform	9.95	173	4017	4.742	ug/L	96
62) 1,3-Dichlorobenzene	11.42	146	10020	4.615	ug/L	95
63) 1,4-Dichlorobenzene	11.51	146	10556	4.719	ug/L	95
65) 1,2-Dichlorobenzene	11.88	146	10494	4.634	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.66	75	1814	4.644	ug/L	95
67) 1,3,5-Trichlorobenzene	12.89	180	7440	4.648	ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	5403	4.031	ug/L	86
69) Naphthalene	13.75	128	20991	4.511	ug/L	96
70) 1,2,3-Trichlorobenzene	13.99	180	6633	4.589	ug/L	96

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

