

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU013120\
 Data File : VU036649.D
 Acq On : 31 Jan 2020 17:59
 Operator : JC/MD
 Sample : VSTD00536
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00536

Quant Time: Jan 31 23:47:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM013120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jan 31 23:45:14 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	357964	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	326074	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	141459	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	14606	5.13	ug/L	0.00
7) Chloroethane-d5	1.93	69	12952	5.42	ug/L	0.02
11) 1,1-Dichloroethene-d2	2.59	63	23233	5.11	ug/L	0.00
21) 2-Butanone-d5	4.68	46	21151	12.89	ug/L	0.00
24) Chloroform-d	5.11	84	22467	4.98	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.75	65	15065	5.33	ug/L	0.00
32) Benzene-d6	5.77	84	47379	5.03	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.73	67	16286	5.49	ug/L	0.00
41) Toluene-d8	7.93	98	43910	4.89	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.21	79	7637	5.41	ug/L	0.00
47) 2-Hexanone-d5	8.66	63	16393	11.56	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.78	84	21379	4.96	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.21	152	14555	4.76	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.40	85	12222	4.358	ug/L 99
3) Chloromethane	1.54	50	15992	5.264	ug/L 99
5) Vinyl chloride	1.62	62	15839	4.911	ug/L # 74
6) Bromomethane	1.87	94	8643	4.644	ug/L 96
8) Chloroethane	1.95	64	9981	5.197	ug/L 89
9) Trichlorofluoromethane	2.16	101	16968	4.536	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	9748	4.260	ug/L 99
12) 1,1-Dichloroethene	2.61	96	9948	4.391	ug/L 93
13) Acetone	2.66	43	18505	11.740	ug/L 98
14) Carbon disulfide	2.82	76	31210	4.563	ug/L 99
15) Methyl Acetate	2.99	43	14571	5.733	ug/L 99
16) Methylene chloride	3.08	84	13797	5.029	ug/L 96
17) trans-1,2-Dichloroethene	3.39	96	10647	4.405	ug/L 91
18) Methyl tert-butyl Ether	3.41	73	36805	4.660	ug/L 99
19) 1,1-Dichloroethane	3.91	63	20995	4.756	ug/L 98
20) cis-1,2-Dichloroethene	4.71	96	12384	4.505	ug/L 93
22) 2-Butanone	4.76	43	22063	11.387	ug/L 97
23) Bromochloromethane	5.02	128	5544	3.969	ug/L 95
25) Chloroform	5.13	83	20696	4.628	ug/L 100
27) 1,2-Dichloroethane	5.84	62	16918	4.973	ug/L 97
29) Cyclohexane	5.43	56	20009	5.059	ug/L 98
30) 1,1,1-Trichloroethane	5.36	97	16056	4.557	ug/L 99
31) Carbon tetrachloride	5.57	117	12938	4.329	ug/L 98
33) Benzene	5.82	78	46713	4.657	ug/L 100
34) Trichloroethene	6.58	95	11331	4.432	ug/L 94
35) Methylcyclohexane	6.80	83	19420	4.515	ug/L 100
37) 1,2-Dichloropropane	6.83	63	12492	4.853	ug/L 99
38) Bromodichloromethane	7.14	83	14890	4.650	ug/L 96
39) cis-1,3-Dichloropropene	7.64	75	18916	4.583	ug/L 98
40) 4-Methyl-2-pentanone	7.83	43	37585	10.993	ug/L 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	8.00	91	49503	4.564	ug/L	98
44) trans-1,3-Dichloropropene	8.24	75	17059	4.713	ug/L	96
45) 1,1,2-Trichloroethane	8.43	97	11422	4.531	ug/L	95
46) Tetrachloroethene	8.58	164	8707	4.314	ug/L	98
48) 2-Hexanone	8.72	43	29009	11.292	ug/L	98
49) Dibromochloromethane	8.84	129	10696	4.066	ug/L	98
50) 1,2-Dibromoethane	8.95	107	11643	4.316	ug/L	93
51) Chlorobenzene	9.48	112	29202	4.206	ug/L	96
52) Ethylbenzene	9.60	91	53329	4.478	ug/L	100
53) m,p-Xylene	9.72	106	19287	4.200	ug/L	98
54) o-xylene	10.12	106	19619	4.284	ug/L	100
55) Styrene	10.14	104	32577	4.354	ug/L	97
56) Isopropylbenzene	10.51	105	49648	4.249	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.81	83	19540	4.460	ug/L	96
59) 1,2,3-Trichloropropane	10.85	75	16871	4.883	ug/L	98
61) Bromoform	10.32	173	7548	4.020	ug/L	96
62) 1,3-Dichlorobenzene	11.77	146	20847	4.307	ug/L	98
63) 1,4-Dichlorobenzene	11.86	146	20801	4.360	ug/L	98
65) 1,2-Dichlorobenzene	12.23	146	21012	4.285	ug/L	98
66) 1,2-Dibromo-3-chloropropan	13.02	75	4367	5.348	ug/L	96
67) 1,3,5-Trichlorobenzene	13.23	180	13634	4.130	ug/L	99
68) 1,2,4-trichlorobenzene	13.85	180	10873	4.519	ug/L	99
69) Naphthalene	14.10	128	44176	5.904	ug/L	99
70) 1,2,3-Trichlorobenzene	14.34	180	12031	4.840	ug/L	99

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

