

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU020620\
 Data File : VU036681.D
 Acq On : 06 Feb 2020 12:16
 Operator : JC/MD
 Sample : VSTD05033
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050103

Quant Time: Feb 07 04:32:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMULM020620W.M
 Quant Title : VOC Analysis
 QLast Update : Fri Feb 07 04:29:27 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	276395	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	263385	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.83	152	120417	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	92669	37.42	ug/L	0.00
7) Chloroethane-d5	1.93	69	85471	36.55	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.59	63	174899	42.22	ug/L	0.00
21) 2-Butanone-d5	4.68	46	138520	95.88	ug/L	0.00
24) Chloroform-d	5.11	84	164966	41.83	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.75	65	114646	46.10	ug/L	0.00
32) Benzene-d6	5.77	84	348759	47.06	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.73	67	116015	47.95	ug/L	0.00
41) Toluene-d8	7.93	98	317575	46.24	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.21	79	55657	48.35	ug/L	0.00
47) 2-Hexanone-d5	8.67	63	136222	130.83	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	10.78	84	171231	49.26	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.21	152	108122	45.29	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	95400	36.807	ug/L 100
3) Chloromethane	1.54	50	112191	40.724	ug/L 100
5) Vinyl chloride	1.62	62	122911	41.331	ug/L 100
6) Bromomethane	1.87	94	74389	36.049	ug/L 100
8) Chloroethane	1.95	64	77200	36.002	ug/L 100
9) Trichlorofluoromethane	2.16	101	145420	38.416	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	86590	45.549	ug/L 100
12) 1,1-Dichloroethene	2.61	96	86840	46.034	ug/L 100
13) Acetone	2.66	43	163313	116.693	ug/L 100
14) Carbon disulfide	2.82	76	253354	43.002	ug/L 100
15) Methyl Acetate	2.99	43	126189	55.046	ug/L 100
16) Methylene chloride	3.08	84	103599	47.805	ug/L 100
17) trans-1,2-Dichloroethene	3.39	96	90225	46.005	ug/L 100
18) Methyl tert-butyl Ether	3.41	73	313463	52.221	ug/L 100
19) 1,1-Dichloroethane	3.92	63	180374	47.494	ug/L 100
20) cis-1,2-Dichloroethene	4.71	96	104271	47.985	ug/L 100
22) 2-Butanone	4.75	43	201435	119.222	ug/L 100
23) Bromochloromethane	5.02	128	48311	43.966	ug/L 100
25) Chloroform	5.13	83	180055	45.887	ug/L 100
27) 1,2-Dichloroethane	5.84	62	147707	48.149	ug/L 100
29) Cyclohexane	5.43	56	168958	56.772	ug/L 100
30) 1,1,1-Trichloroethane	5.36	97	141744	44.710	ug/L 100
31) Carbon tetrachloride	5.57	117	114664	41.382	ug/L 100
33) Benzene	5.82	78	403352	50.158	ug/L 100
34) Trichloroethene	6.58	95	98345	46.571	ug/L 100
35) Methylcyclohexane	6.80	83	171611	54.415	ug/L 100
37) 1,2-Dichloropropane	6.83	63	108415	49.423	ug/L 100
38) Bromodichloromethane	7.14	83	131646	46.933	ug/L 100
39) cis-1,3-Dichloropropene	7.64	75	172995	52.916	ug/L 100
40) 4-Methyl-2-pentanone	7.83	43	350082	121.796	ug/L 100

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42) Toluene	8.00	91	431500	50.847	ug/L	100
44) trans-1,3-Dichloropropene	8.24	75	152967	51.560	ug/L	100
45) 1,1,2-Trichloroethane	8.43	97	99539	48.240	ug/L	100
46) Tetrachloroethene	8.58	164	68341	42.403	ug/L	100
48) 2-Hexanone	8.72	43	282606	127.677	ug/L	100
49) Dibromochloromethane	8.84	129	98226	43.710	ug/L	100
50) 1,2-Dibromoethane	8.95	107	104348	48.481	ug/L	100
51) Chlorobenzene	9.47	112	256585	46.918	ug/L	100
52) Ethylbenzene	9.60	91	473717	52.623	ug/L	100
53) m,p-Xylene	9.72	106	177522	53.104	ug/L	100
54) o-xylene	10.13	106	171975	52.245	ug/L	100
55) Styrene	10.14	104	292493	52.618	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.81	83	179222	51.171	ug/L	100
59) Bromoform	10.32	173	68434	45.286	ug/L	100
60) 1,2,3-Trichloropropane	10.85	75	142388	56.518	ug/L	100
61) Isopropylbenzene	10.51	105	455319	58.886	ug/L	100
62) 1,3,5-Trimethylbenzene	11.11	105	391928	62.078	ug/L	100
63) 1,2,4-Trimethylbenzene	11.49	105	391920	62.683	ug/L	100
64) 1,3-Dichlorobenzene	11.77	146	188632	50.442	ug/L	100
65) 1,4-Dichlorobenzene	11.86	146	189568	49.592	ug/L	100
67) 1,2-Dichlorobenzene	12.23	146	190071	49.972	ug/L	100
68) 1,2-Dibromo-3-chloropropan	13.01	75	41352	58.328	ug/L	100
69) 1,3,5-Trichlorobenzene	13.23	180	130673	47.010	ug/L	100
70) 1,2,4-trichlorobenzene	13.85	180	110435	48.123	ug/L	100
71) Naphthalene	14.10	128	410277	58.000	ug/L	100
72) 1,2,3-Trichlorobenzene	14.34	180	109200	46.056	ug/L	100

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

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