

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032120\
 Data File : VU037362.D
 Acq On : 21 Mar 2020 18:35
 Operator : JC/MD
 Sample : VSTD05036
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05036

Quant Time: Mar 23 04:03:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Mar 23 04:00:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	293045	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	286215	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	150043	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	137656	58.57	ug/L	0.00
7) Chloroethane-d5	1.93	69	106400	56.86	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.59	63	221548	52.78	ug/L	0.00
21) 2-Butanone-d5	4.67	46	187815	104.43	ug/L	0.00
24) Chloroform-d	5.10	84	228785	52.39	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.74	65	162632	51.32	ug/L	0.00
32) Benzene-d6	5.76	84	422656	53.31	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.72	67	133792	51.89	ug/L	0.00
41) Toluene-d8	7.92	98	411001	54.08	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.20	79	75760	53.50	ug/L	0.00
47) 2-Hexanone-d5	8.66	63	149208	110.44	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.77	84	205146	51.21	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.21	152	161309	51.64	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	158617	52.171	ug/L 100
3) Chloromethane	1.54	50	143027	55.940	ug/L 100
5) Vinyl chloride	1.62	62	139373	51.353	ug/L 100
6) Bromomethane	1.87	94	63351	58.436	ug/L 100
8) Chloroethane	1.95	64	76577	48.668	ug/L 100
9) Trichlorofluoromethane	2.16	101	205151	50.045	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	94385	49.560	ug/L 100
12) 1,1-Dichloroethene	2.60	96	89470	51.326	ug/L 100
13) Acetone	2.66	43	117079	73.026	ug/L 100
14) Carbon disulfide	2.82	76	287394	56.470	ug/L 100
15) Methyl Acetate	2.98	43	122939	46.565	ug/L 100
16) Methylene chloride	3.08	84	102750	47.863	ug/L 100
17) trans-1,2-Dichloroethene	3.39	96	93670	51.403	ug/L 100
18) Methyl tert-butyl Ether	3.40	73	326566	47.293	ug/L 100
19) 1,1-Dichloroethane	3.91	63	186834	46.880	ug/L 100
20) cis-1,2-Dichloroethene	4.71	96	104824	48.179	ug/L 100
22) 2-Butanone	4.75	43	180185	86.518	ug/L 100
23) Bromochloromethane	5.02	128	57373	51.346	ug/L 100
25) Chloroform	5.13	83	202156	46.670	ug/L 100
27) 1,2-Dichloroethane	5.83	62	169631	44.447	ug/L 100
29) Cyclohexane	5.42	56	162415	48.493	ug/L 100
30) 1,1,1-Trichloroethane	5.35	97	188850	49.784	ug/L 100
31) Carbon tetrachloride	5.56	117	165774	49.530	ug/L 100
33) Benzene	5.81	78	407718	48.735	ug/L 100
34) Trichloroethene	6.57	95	106627	48.699	ug/L 100
35) Methylcyclohexane	6.79	83	165295	49.915	ug/L 100
37) 1,2-Dichloropropane	6.82	63	108469	45.966	ug/L 100
38) Bromodichloromethane	7.13	83	154398	46.730	ug/L 100
39) cis-1,3-Dichloropropene	7.63	75	170164	46.639	ug/L 100
40) 4-Methyl-2-pentanone	7.82	43	351691	91.939	ug/L 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.99	91	452158	49.310	ug/L	100
44) trans-1,3-Dichloropropene	8.23	75	179070	50.939	ug/L	100
45) 1,1,2-Trichloroethane	8.42	97	105232	48.411	ug/L	100
46) Tetrachloroethene	8.57	164	85584	52.060	ug/L	100
48) 2-Hexanone	8.71	43	277673	92.384	ug/L	100
49) Dibromochloromethane	8.83	129	127910	49.888	ug/L	100
50) 1,2-Dibromoethane	8.95	107	117318	49.858	ug/L	100
51) Chlorobenzene	9.47	112	281026	48.597	ug/L	100
52) Ethylbenzene	9.59	91	500290	47.484	ug/L	100
53) m,p-Xylene	9.71	106	184406	49.237	ug/L	100
54) o-xylene	10.12	106	183093	49.361	ug/L	100
55) Styrene	10.13	104	313498	49.830	ug/L	100
56) Isopropylbenzene	10.50	105	497342	48.430	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.80	83	184898	46.885	ug/L	100
59) 1,2,3-Trichloropropane	10.84	75	154145	46.968	ug/L	100
61) Bromoform	10.31	173	101720	48.755	ug/L	100
62) 1,3-Dichlorobenzene	11.76	146	226495	47.970	ug/L	100
63) 1,4-Dichlorobenzene	11.85	146	224319	47.219	ug/L	100
65) 1,2-Dichlorobenzene	12.23	146	229335	47.603	ug/L	100
66) 1,2-Dibromo-3-chloropropan	13.02	75	49803	47.186	ug/L	100
67) 1,3,5-Trichlorobenzene	13.24	180	158225	46.408	ug/L	100
68) 1,2,4-trichlorobenzene	13.87	180	127729	48.162	ug/L	100
69) Naphthalene	14.12	128	368297	78.244	ug/L	100
70) 1,2,3-Trichlorobenzene	14.36	180	134196	47.947	ug/L	100

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

