

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU022420\
 Data File : VU036881.D
 Acq On : 24 Feb 2020 13:38
 Operator : JC/MD
 Sample : VSTD10035
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10035

Quant Time: Feb 25 00:33:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM022420WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Feb 25 00:29:55 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	275324	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	261357	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	117976	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	243338	127.22	ug/L	0.00
7) Chloroethane-d5	1.92	69	201718	123.17	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.59	63	401932	113.56	ug/L	0.00
21) 2-Butanone-d5	4.67	46	342328	219.24	ug/L	0.00
24) Chloroform-d	5.11	84	381340	106.88	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.74	65	250580	105.44	ug/L	0.00
32) Benzene-d6	5.76	84	799329	113.61	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.72	67	260495	113.79	ug/L	0.00
41) Toluene-d8	7.93	98	741311	111.81	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.20	79	126269	105.49	ug/L	0.00
47) 2-Hexanone-d5	8.66	63	276593	239.27	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.77	84	374918	110.79	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.21	152	243202	104.66	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	235081	93.939 ug/L	99
3) Chloromethane	1.54	50	274682	116.901 ug/L	100
5) Vinyl chloride	1.62	62	282697	119.236 ug/L	100
6) Bromomethane	1.86	94	148042	107.208 ug/L	99
8) Chloroethane	1.94	64	166108	117.607 ug/L	100
9) Trichlorofluoromethane	2.15	101	293024	95.641 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	175727	106.225 ug/L	99
12) 1,1-Dichloroethene	2.60	96	179875	109.109 ug/L	93
13) Acetone	2.66	43	307416	184.542 ug/L	99
14) Carbon disulfide	2.82	76	569756	106.962 ug/L	100
15) Methyl Acetate	2.98	43	247705	109.877 ug/L	99
16) Methylene chloride	3.08	84	215872	106.527 ug/L	100
17) trans-1,2-Dichloroethene	3.39	96	191657	105.998 ug/L	100
18) Methyl tert-butyl Ether	3.40	73	630889	103.662 ug/L	99
19) 1,1-Dichloroethane	3.91	63	373120	109.008 ug/L	97
20) cis-1,2-Dichloroethene	4.71	96	216955	105.864 ug/L	98
22) 2-Butanone	4.75	43	397135	208.591 ug/L	100
23) Bromochloromethane	5.02	128	98537	100.247 ug/L	97
25) Chloroform	5.13	83	356237	99.381 ug/L	99
27) 1,2-Dichloroethane	5.83	62	293547	102.735 ug/L	99
29) Cyclohexane	5.42	56	352270	109.795 ug/L	100
30) 1,1,1-Trichloroethane	5.36	97	282061	92.899 ug/L	98
31) Carbon tetrachloride	5.56	117	226816	89.220 ug/L	98
33) Benzene	5.81	78	834901	109.187 ug/L	100
34) Trichloroethene	6.57	95	205183	101.479 ug/L	99
35) Methylcyclohexane	6.79	83	360179	112.507 ug/L	99
37) 1,2-Dichloropropane	6.82	63	223455	110.164 ug/L	99
38) Bromodichloromethane	7.13	83	268049	99.040 ug/L	97
39) cis-1,3-Dichloropropene	7.64	75	361206	111.026 ug/L	99
40) 4-Methyl-2-pentanone	7.82	43	692560	214.141 ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	8.00	91	898723	108.602	ug/L	99
44) trans-1,3-Dichloropropene	8.23	75	316763	106.776	ug/L	100
45) 1,1,2-Trichloroethane	8.43	97	198785	103.737	ug/L	99
46) Tetrachloroethene	8.57	164	133192	98.615	ug/L	97
48) 2-Hexanone	8.71	43	553321	214.757	ug/L	99
49) Dibromochloromethane	8.84	129	195461	95.041	ug/L	99
50) 1,2-Dibromoethane	8.95	107	211704	99.532	ug/L	100
51) Chlorobenzene	9.47	112	526653	102.655	ug/L	98
52) Ethylbenzene	9.59	91	983012	107.235	ug/L	100
53) m,p-Xylene	9.71	106	361936	105.763	ug/L	98
54) o-xylene	10.12	106	360004	105.414	ug/L	99
55) Styrene	10.13	104	609678	110.377	ug/L	100
56) Isopropylbenzene	10.50	105	932242	106.690	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.80	83	363008	109.158	ug/L	99
59) 1,2,3-Trichloropropane	10.84	75	293215	106.361	ug/L	98
61) Bromoform	10.31	173	138397	88.915	ug/L	100
62) 1,3-Dichlorobenzene	11.76	146	384209	102.931	ug/L	100
63) 1,4-Dichlorobenzene	11.85	146	379540	101.918	ug/L	99
65) 1,2-Dichlorobenzene	12.23	146	385740	104.595	ug/L	100
66) 1,2-Dibromo-3-chloropropan	13.02	75	80766	100.397	ug/L	98
67) 1,3,5-Trichlorobenzene	13.24	180	262564	114.754	ug/L	99
68) 1,2,4-trichlorobenzene	13.87	180	218821	128.535	ug/L	99
69) Naphthalene	14.12	128	400199	77.506	ug/L	100
70) 1,2,3-Trichlorobenzene	14.36	180	217945	123.507	ug/L	99

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

