

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU022420\
 Data File : VU036878.D
 Acq On : 24 Feb 2020 12:30
 Operator : JC/MD
 Sample : VSTD00532
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00532

Quant Time: Feb 25 00:31:51 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	6.29	114	295124	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	278902	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	109127	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	11433	5.58	ug/L	0.00
7) Chloroethane-d5	1.93	69	9696	5.52	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.59	63	19882	5.24	ug/L	0.00
21) 2-Butanone-d5	4.67	46	14048	8.39	ug/L	0.00
24) Chloroform-d	5.11	84	16940	4.43	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.74	65	12065	4.74	ug/L	0.00
32) Benzene-d6	5.76	84	37391	4.98	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.73	67	12006	4.91	ug/L	0.00
41) Toluene-d8	7.93	98	35236	4.98	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.21	79	5340	4.18	ug/L	0.00
47) 2-Hexanone-d5	8.67	63	9831	7.97	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.78	84	16091	4.46	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.21	152	10204	4.75	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	12799	4.771 ug/L	97
3) Chloromethane	1.54	50	14883	5.909 ug/L	100
5) Vinyl chloride	1.62	62	14774	5.813 ug/L	91
6) Bromomethane	1.88	94	7678	5.187 ug/L	92
8) Chloroethane	1.95	64	8996	5.942 ug/L	99
9) Trichlorofluoromethane	2.16	101	16403	4.995 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	9527	5.373 ug/L	96
12) 1,1-Dichloroethene	2.61	96	9599	5.432 ug/L	90
13) Acetone	2.66	43	19360	10.842 ug/L	99
14) Carbon disulfide	2.82	76	30344	5.314 ug/L	99
15) Methyl Acetate	2.98	43	13069	5.408 ug/L	100
16) Methylene chloride	3.08	84	12242	5.636 ug/L	96
17) trans-1,2-Dichloroethene	3.39	96	10337	5.333 ug/L	94
18) Methyl tert-butyl Ether	3.40	73	32955	5.052 ug/L	98
19) 1,1-Dichloroethane	3.92	63	20221	5.511 ug/L	96
20) cis-1,2-Dichloroethene	4.71	96	11260	5.126 ug/L	99
22) 2-Butanone	4.75	43	20203	9.900 ug/L	99
23) Bromochloromethane	5.02	128	5123	4.862 ug/L	98
25) Chloroform	5.13	83	19947	5.191 ug/L	98
27) 1,2-Dichloroethane	5.84	62	15541	5.074 ug/L	96
29) Cyclohexane	5.43	56	18466	5.393 ug/L	99
30) 1,1,1-Trichloroethane	5.36	97	14957	4.616 ug/L	97
31) Carbon tetrachloride	5.56	117	11709	4.316 ug/L	100
33) Benzene	5.81	78	44805	5.491 ug/L	100
34) Trichloroethene	6.57	95	10956	5.078 ug/L	97
35) Methylcyclohexane	6.79	83	18557	5.432 ug/L	99
37) 1,2-Dichloropropane	6.83	63	12052	5.568 ug/L	# 96
38) Bromodichloromethane	7.14	83	13654	4.728 ug/L	98
39) cis-1,3-Dichloropropene	7.64	75	17036	4.907 ug/L	99
40) 4-Methyl-2-pentanone	7.83	43	31681	9.180 ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	8.00	91	45343	5.135	ug/L	96
44) trans-1,3-Dichloropropene	8.24	75	14305	4.519	ug/L	96
45) 1,1,2-Trichloroethane	8.43	97	10575	5.171	ug/L	96
46) Tetrachloroethene	8.58	164	7119	4.939	ug/L	99
48) 2-Hexanone	8.72	43	24946	9.073	ug/L	96
49) Dibromochloromethane	8.84	129	9564	4.358	ug/L	97
50) 1,2-Dibromoethane	8.95	107	11019	4.855	ug/L #	100
51) Chlorobenzene	9.47	112	27921	5.100	ug/L	99
52) Ethylbenzene	9.59	91	49603	5.071	ug/L	99
53) m,p-Xylene	9.72	106	18269	5.003	ug/L	98
54) o-xylene	10.12	106	18172	4.986	ug/L	97
55) Styrene	10.14	104	27086	4.595	ug/L	98
56) Isopropylbenzene	10.51	105	45226	4.850	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.81	83	18290	5.154	ug/L	99
59) 1,2,3-Trichloropropane	10.85	75	15043	5.113	ug/L	99
61) Bromoform	10.32	173	6013	4.176	ug/L #	99
62) 1,3-Dichlorobenzene	11.77	146	18335	5.310	ug/L	98
63) 1,4-Dichlorobenzene	11.86	146	18086	5.250	ug/L	97
65) 1,2-Dichlorobenzene	12.23	146	17914	5.251	ug/L	97
66) 1,2-Dibromo-3-chloropropan	13.03	75	3114	4.185	ug/L	86
67) 1,3,5-Trichlorobenzene	13.25	180	10103	4.774	ug/L	99
68) 1,2,4-trichlorobenzene	13.88	180	5561	3.531	ug/L	99
69) Naphthalene	14.13	128	9840	2.060	ug/L	98
70) 1,2,3-Trichlorobenzene	14.37	180	5596	3.428	ug/L	96

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

