

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU051120\
 Data File : VU038112.D
 Acq On : 11 May 2020 17:27
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05038

Quant Time: May 12 01:13:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM043020WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue May 12 01:10:23 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	691962	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	671616	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.82	152	344115	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	311836	51.23	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	102.46%
7) Chloroethane-d5	1.93	69	260676	52.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	105.30%
11) 1,1-Dichloroethene-d2	2.59	63	500566	50.28	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.56%
21) 2-Butanone-d5	4.66	46	539684	113.45	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	113.45%
24) Chloroform-d	5.10	84	483560	51.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.62%
26) 1,2-Dichloroethane-d4	5.74	65	328804	50.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.44%
32) Benzene-d6	5.76	84	1042185	52.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.30%
36) 1,2-Dichloropropane-d6	6.72	67	337833	51.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.94%
41) Toluene-d8	7.92	98	943282	51.94	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.88%
43) trans-1,3-Dichloropropene-	8.20	79	158273	51.42	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	102.84%
47) 2-Hexanone-d5	8.65	63	345142	120.91	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	120.91%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	486658	51.45	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.90%
64) 1,2-Dichlorobenzene-d4	12.20	152	351668	48.88	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.76%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	238202	44.245 ug/L	99
3) Chloromethane	1.53	50	310880	45.564 ug/L	99
5) Vinyl chloride	1.62	62	320087	46.170 ug/L	100
6) Bromomethane	1.87	94	178484	54.052 ug/L	98
8) Chloroethane	1.95	64	198567	47.625 ug/L	99
9) Trichlorofluoromethane	2.16	101	338447	46.970 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	210419	47.515 ug/L	99
12) 1,1-Dichloroethene	2.60	96	211565	46.683 ug/L	86
13) Acetone	2.65	43	339854	110.918 ug/L	100
14) Carbon disulfide	2.82	76	652674	43.477 ug/L	99
15) Methyl Acetate	2.97	43	364523	54.641 ug/L	99
16) Methylene chloride	3.08	84	257918	48.281 ug/L	100
17) trans-1,2-Dichloroethene	3.39	96	231486	47.310 ug/L	99
18) Methyl tert-butyl Ether	3.40	73	800075	49.144 ug/L	100
19) 1,1-Dichloroethane	3.91	63	480855	49.333 ug/L	98
20) cis-1,2-Dichloroethene	4.71	96	264895	48.962 ug/L	98
22) 2-Butanone	4.74	43	549235	110.753 ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.01	128	130005	51.085	ug/L	98
25) Chloroform	5.12	83	463658	49.555	ug/L	100
27) 1,2-Dichloroethane	5.83	62	375580	48.545	ug/L	99
29) Cyclohexane	5.42	56	405425	46.198	ug/L	98
30) 1,1,1-Trichloroethane	5.35	97	367695	49.253	ug/L	99
31) Carbon tetrachloride	5.56	117	292394	49.615	ug/L	99
33) Benzene	5.81	78	1030531	49.083	ug/L	100
34) Trichloroethene	6.57	95	246826	48.481	ug/L	97
35) Methylcyclohexane	6.79	83	393982	46.069	ug/L	100
37) 1,2-Dichloropropane	6.82	63	282008	50.239	ug/L	99
38) Bromodichloromethane	7.13	83	335723	49.258	ug/L	99
39) cis-1,3-Dichloropropene	7.63	75	436545	50.734	ug/L	99
40) 4-Methyl-2-pentanone	7.82	43	978955	107.636	ug/L	99
42) Toluene	7.99	91	1067872	48.411	ug/L	100
44) trans-1,3-Dichloropropene	8.23	75	405982	50.536	ug/L	97
45) 1,1,2-Trichloroethane	8.42	97	258833	50.912	ug/L	98
46) Tetrachloroethene	8.57	164	175213	47.137	ug/L	98
48) 2-Hexanone	8.70	43	802326	107.045	ug/L	99
49) Dibromochloromethane	8.83	129	255818	52.176	ug/L	99
50) 1,2-Dibromoethane	8.94	107	272798	49.951	ug/L #	97
51) Chlorobenzene	9.47	112	671822	48.915	ug/L	98
52) Ethylbenzene	9.59	91	1181827	48.332	ug/L	99
53) m,p-Xylene	9.71	106	458836	49.421	ug/L	100
54) o-xylene	10.11	106	448423	49.057	ug/L	99
55) Styrene	10.13	104	768623	49.504	ug/L	97
56) Isopropylbenzene	10.50	105	1142938	48.560	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.80	83	462057	50.908	ug/L	100
59) 1,2,3-Trichloropropane	10.84	75	399676	51.351	ug/L	99
61) Bromoform	10.31	173	180263	48.991	ug/L	98
62) 1,3-Dichlorobenzene	11.76	146	518911	47.099	ug/L	98
63) 1,4-Dichlorobenzene	11.85	146	521226	46.820	ug/L	100
65) 1,2-Dichlorobenzene	12.22	146	523163	47.071	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.01	75	115996	50.000	ug/L	99
67) 1,3,5-Trichlorobenzene	13.24	180	368208	49.023	ug/L	100
68) 1,2,4-trichlorobenzene	13.86	180	349258	48.512	ug/L	98
69) Naphthalene	14.11	128	1363741	49.373	ug/L	100
70) 1,2,3-Trichlorobenzene	14.36	180	356620	50.331	ug/L	100

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

