

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU040920\
 Data File : VU037638.D
 Acq On : 09 Apr 2020 22:55
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05041

Quant Time: Apr 09 23:23:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Apr 09 12:32:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	544397	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	519079	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	253721	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	231133	48.57	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	97.14%
7) Chloroethane-d5	1.93	69	189401	49.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	98.50%
11) 1,1-Dichloroethene-d2	2.59	63	382796	49.36	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.72%
21) 2-Butanone-d5	4.66	46	375583	97.40	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	97.40%
24) Chloroform-d	5.10	84	365412	51.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.18%
26) 1,2-Dichloroethane-d4	5.74	65	242339	49.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.76%
32) Benzene-d6	5.76	84	762986	49.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.92%
36) 1,2-Dichloropropane-d6	6.72	67	255576	50.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.56%
41) Toluene-d8	7.92	98	690938	48.80	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.60%
43) trans-1,3-Dichloropropene-	8.20	79	129494	47.12	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.24%
47) 2-Hexanone-d5	8.66	63	280626	96.42	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	96.42%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	350904	48.87	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.74%
64) 1,2-Dichlorobenzene-d4	12.20	152	254667	48.23	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.46%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	212948	49.935	ug/L 98
3) Chloromethane	1.53	50	247117	49.547	ug/L 99
5) Vinyl chloride	1.62	62	257439	49.324	ug/L 99
6) Bromomethane	1.87	94	132091	48.086	ug/L 99
8) Chloroethane	1.95	64	152256	49.138	ug/L 99
9) Trichlorofluoromethane	2.16	101	281619	49.963	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	162865	47.459	ug/L 99
12) 1,1-Dichloroethene	2.60	96	169356	48.663	ug/L 94
13) Acetone	2.65	43	214683	94.272	ug/L 99
14) Carbon disulfide	2.82	76	571583	47.945	ug/L 100
15) Methyl Acetate	2.98	43	261768	48.337	ug/L 99
16) Methylene chloride	3.08	84	195298	49.121	ug/L 97
17) trans-1,2-Dichloroethene	3.39	96	178996	47.943	ug/L 96
18) Methyl tert-butyl Ether	3.40	73	636031	49.350	ug/L 99
19) 1,1-Dichloroethane	3.91	63	361305	49.362	ug/L 99
20) cis-1,2-Dichloroethene	4.71	96	198219	48.286	ug/L 99
22) 2-Butanone	4.75	43	375098	94.106	ug/L 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.01	128	95522	47.745	ug/L	94
25) Chloroform	5.13	83	337559	49.013	ug/L	99
27) 1,2-Dichloroethane	5.83	62	284429	49.932	ug/L	99
29) Cyclohexane	5.42	56	355919	49.861	ug/L	99
30) 1,1,1-Trichloroethane	5.35	97	291428	49.532	ug/L	99
31) Carbon tetrachloride	5.56	117	233951	48.982	ug/L	100
33) Benzene	5.81	78	781252	49.456	ug/L	100
34) Trichloroethene	6.57	95	188537	48.484	ug/L	98
35) Methylcyclohexane	6.79	83	327768	47.504	ug/L	99
37) 1,2-Dichloropropane	6.82	63	216817	49.951	ug/L	98
38) Bromodichloromethane	7.13	83	264187	49.442	ug/L	99
39) cis-1,3-Dichloropropene	7.63	75	340834	47.974	ug/L	100
40) 4-Methyl-2-pentanone	7.82	43	736993	95.604	ug/L	99
42) Toluene	7.99	91	818260	48.762	ug/L	99
44) trans-1,3-Dichloropropene	8.23	75	327344	47.534	ug/L	98
45) 1,1,2-Trichloroethane	8.42	97	185776	47.968	ug/L	99
46) Tetrachloroethene	8.57	164	136056	47.025	ug/L	96
48) 2-Hexanone	8.71	43	574640	94.405	ug/L	100
49) Dibromochloromethane	8.83	129	197140	47.469	ug/L	99
50) 1,2-Dibromoethane	8.94	107	202115	48.233	ug/L	97
51) Chlorobenzene	9.47	112	499548	47.669	ug/L	99
52) Ethylbenzene	9.59	91	910309	48.385	ug/L	99
53) m,p-Xylene	9.71	106	338706	47.413	ug/L	98
54) o-xylene	10.11	106	336817	47.539	ug/L	99
55) Styrene	10.13	104	584767	47.602	ug/L	99
56) Isopropylbenzene	10.50	105	888587	48.167	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.80	83	330617	47.808	ug/L	100
59) 1,2,3-Trichloropropane	10.84	75	280545	47.577	ug/L	99
61) Bromoform	10.31	173	151492	47.113	ug/L	99
62) 1,3-Dichlorobenzene	11.76	146	378369	46.330	ug/L	99
63) 1,4-Dichlorobenzene	11.85	146	381337	46.539	ug/L	99
65) 1,2-Dichlorobenzene	12.22	146	375755	46.686	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.01	75	87616	46.993	ug/L	98
67) 1,3,5-Trichlorobenzene	13.24	180	270335	45.271	ug/L	100
68) 1,2,4-trichlorobenzene	13.87	180	259213	45.006	ug/L	100
69) Naphthalene	14.11	128	942919	44.370	ug/L	100
70) 1,2,3-Trichlorobenzene	14.36	180	256325	44.667	ug/L	99

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

