

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092019\
 Data File : VU034701.D
 Acq On : 20 Sep 2019 20:02
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05038

Quant Time: Sep 21 02:35:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Sep 21 02:29:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	489214	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	470995	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	234930	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	194750	38.89	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	77.78%
7) Chloroethane-d5	1.67	69	160765	41.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	83.06%
11) 1,1-Dichloroethene-d2	2.26	63	364708	43.00	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.00%
21) 2-Butanone-d5	4.15	46	401649	104.64	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.64%
24) Chloroform-d	4.62	84	351315	48.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.50%
26) 1,2-Dichloroethane-d4	5.29	65	248271	46.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.78%
32) Benzene-d6	5.32	84	672435	46.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.12%
36) 1,2-Dichloropropane-d6	6.31	67	235181	46.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.18%
41) Toluene-d8	7.54	98	636003	45.79	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.58%
43) trans-1,3-Dichloropropene-	7.83	79	114903	47.02	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.04%
47) 2-Hexanone-d5	8.29	63	258615	100.91	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.91%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	333278	47.07	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.14%
64) 1,2-Dichlorobenzene-d4	11.84	152	223388	45.35	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.70%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.20	85	245766	48.742	ug/L	99
3) Chloromethane	1.32	50	282550	46.782	ug/L	99
5) Vinyl chloride	1.40	62	264812	48.005	ug/L	98
6) Bromomethane	1.62	94	141861	47.087	ug/L	97
8) Chloroethane	1.69	64	154978	48.802	ug/L	96
9) Trichlorofluoromethane	1.87	101	332734	47.838	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	153992	46.175	ug/L	98
12) 1,1-Dichloroethene	2.27	96	155576	48.606	ug/L	88
13) Acetone	2.31	43	288338	64.577	ug/L	99
14) Carbon disulfide	2.46	76	516928	47.865	ug/L	98
15) Methyl Acetate	2.60	43	300581	50.396	ug/L	99
16) Methylene chloride	2.68	84	194789	48.043	ug/L	99
17) trans-1,2-Dichloroethene	2.96	96	169964	48.568	ug/L	94
18) Methyl tert-butyl Ether	2.98	73	642511	49.489	ug/L	100
19) 1,1-Dichloroethane	3.42	63	391333	48.747	ug/L	99
20) cis-1,2-Dichloroethene	4.20	96	202508	49.492	ug/L	96
22) 2-Butanone	4.23	43	449603	84.640	ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.52	128	96335	49.188	ug/L	98
25) Chloroform	4.65	83	368798	46.652	ug/L	98
27) 1,2-Dichloroethane	5.38	62	336446	49.268	ug/L	98
29) Cyclohexane	4.97	56	365459	47.010	ug/L	99
30) 1,1,1-Trichloroethane	4.89	97	309224	48.238	ug/L	98
31) Carbon tetrachloride	5.11	117	263681	48.263	ug/L	97
33) Benzene	5.36	78	811316	49.667	ug/L	100
34) Trichloroethene	6.16	95	195960	48.574	ug/L	98
35) Methylcyclohexane	6.39	83	325540	47.550	ug/L	97
37) 1,2-Dichloropropane	6.41	63	236137	48.547	ug/L	100
38) Bromodichloromethane	6.73	83	282163	47.835	ug/L	98
39) cis-1,3-Dichloropropene	7.25	75	360474	49.323	ug/L	99
40) 4-Methyl-2-pentanone	7.44	43	917951	98.850	ug/L	99
42) Toluene	7.61	91	867584	49.144	ug/L	98
44) trans-1,3-Dichloropropene	7.86	75	325204	49.359	ug/L	99
45) 1,1,2-Trichloroethane	8.04	97	193896	49.767	ug/L	98
46) Tetrachloroethene	8.21	164	143383	50.527	ug/L	98
48) 2-Hexanone	8.34	43	676680	93.299	ug/L	97
49) Dibromochloromethane	8.45	129	215795	49.691	ug/L	93
50) 1,2-Dibromoethane	8.56	107	210400	50.107	ug/L	95
51) Chlorobenzene	9.10	112	524112	48.838	ug/L	100
52) Ethylbenzene	9.23	91	963589	48.471	ug/L	100
53) m,p-Xylene	9.35	106	343075	48.723	ug/L	96
54) o-xylene	9.76	106	346482	49.750	ug/L	98
55) Styrene	9.77	104	590443	50.085	ug/L	99
56) Isopropylbenzene	10.14	105	907724	48.338	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.43	83	363841	48.621	ug/L	99
59) 1,2,3-Trichloropropane	10.47	75	286674	47.188	ug/L	97
61) Bromoform	9.94	173	151481	46.832	ug/L	99
62) 1,3-Dichlorobenzene	11.39	146	388573	47.761	ug/L	97
63) 1,4-Dichlorobenzene	11.48	146	388789	46.911	ug/L	98
65) 1,2-Dichlorobenzene	11.85	146	387492	47.137	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.63	75	86142	49.300	ug/L	99
67) 1,3,5-Trichlorobenzene	12.86	180	255401	46.852	ug/L	98
68) 1,2,4-trichlorobenzene	13.48	180	221667	51.710	ug/L	99
69) Naphthalene	13.72	128	780215	52.576	ug/L	100
70) 1,2,3-Trichlorobenzene	13.96	180	225658	51.160	ug/L	95

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

