

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082319\
 Data File : VU033932.D
 Acq On : 23 Aug 2019 10:41
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05052

Quant Time: Aug 26 06:49:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM082219WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 23 12:52:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	548467	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	562678	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	287755	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	234253	48.70	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	97.40%
7) Chloroethane-d5	1.67	69	191083	50.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.16%
11) 1,1-Dichloroethene-d2	2.26	63	433293	49.94	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.88%
21) 2-Butanone-d5	4.15	46	318458	98.39	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.39%
24) Chloroform-d	4.62	84	398491	50.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.78%
26) 1,2-Dichloroethane-d4	5.28	65	258167	51.02	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.04%
32) Benzene-d6	5.31	84	795010	49.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.48%
36) 1,2-Dichloropropane-d6	6.31	67	255641	49.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.58%
41) Toluene-d8	7.54	98	718118	49.72	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.44%
43) trans-1,3-Dichloropropene-	7.83	79	116822	48.80	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.60%
47) 2-Hexanone-d5	8.29	63	204749	94.93	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	94.93%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	363099	49.16	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.32%
64) 1,2-Dichlorobenzene-d4	11.84	152	266133	45.32	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.64%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	267739	52.731	ug/L 98
3) Chloromethane	1.32	50	263104	53.928	ug/L 99
5) Vinyl chloride	1.39	62	299391	52.243	ug/L 100
6) Bromomethane	1.61	94	117999	53.145	ug/L 94
8) Chloroethane	1.68	64	183014	53.235	ug/L 99
9) Trichlorofluoromethane	1.87	101	354029	52.678	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	205803	53.557	ug/L 98
12) 1,1-Dichloroethene	2.27	96	193532	52.319	ug/L 96
13) Acetone	2.30	43	317921	107.544	ug/L 100
14) Carbon disulfide	2.46	76	619292	52.055	ug/L 100
15) Methyl Acetate	2.59	43	276110	53.633	ug/L 99
16) Methylene chloride	2.68	84	233390	52.368	ug/L 98
17) trans-1,2-Dichloroethene	2.96	96	204842	51.558	ug/L 100
18) Methyl tert-butyl Ether	2.98	73	624311	51.912	ug/L 99
19) 1,1-Dichloroethane	3.42	63	417358	52.710	ug/L 98
20) cis-1,2-Dichloroethene	4.20	96	221672	50.687	ug/L 99
22) 2-Butanone	4.23	43	410821	110.610	ug/L 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.52	128	117832	52.390	ug/L	97
25) Chloroform	4.65	83	416008	53.050	ug/L	97
27) 1,2-Dichloroethane	5.38	62	327285	53.187	ug/L	100
29) Cyclohexane	4.97	56	334764	51.564	ug/L	98
30) 1,1,1-Trichloroethane	4.89	97	335511	51.776	ug/L	99
31) Carbon tetrachloride	5.11	117	292736	50.894	ug/L	99
33) Benzene	5.36	78	897894	52.773	ug/L	100
34) Trichloroethene	6.16	95	217469	49.260	ug/L	99
35) Methylcyclohexane	6.39	83	346928	52.126	ug/L	98
37) 1,2-Dichloropropane	6.41	63	244721	52.574	ug/L	100
38) Bromodichloromethane	6.74	83	307092	51.056	ug/L	97
39) cis-1,3-Dichloropropene	7.25	75	357960	51.739	ug/L	100
40) 4-Methyl-2-pentanone	7.44	43	712966	106.944	ug/L	99
42) Toluene	7.62	91	938595	53.311	ug/L	100
44) trans-1,3-Dichloropropene	7.86	75	322300	51.696	ug/L	99
45) 1,1,2-Trichloroethane	8.04	97	222120	52.009	ug/L	99
46) Tetrachloroethene	8.21	164	172262	50.210	ug/L	99
48) 2-Hexanone	8.34	43	565020	109.147	ug/L	98
49) Dibromochloromethane	8.46	129	237381	50.105	ug/L	99
50) 1,2-Dibromoethane	8.57	107	235595	51.730	ug/L	97
51) Chlorobenzene	9.10	112	584315	50.181	ug/L	98
52) Ethylbenzene	9.23	91	997339	52.445	ug/L	99
53) m,p-Xylene	9.36	106	377926	53.929	ug/L	99
54) o-xylene	9.76	106	364677	52.792	ug/L	100
55) Styrene	9.77	104	647236	55.027	ug/L	99
56) Isopropylbenzene	10.15	105	956387	53.280	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.44	83	385028	52.016	ug/L	99
59) 1,2,3-Trichloropropane	10.48	75	308044	51.782	ug/L	100
61) Bromoform	9.94	173	176328	48.576	ug/L	98
62) 1,3-Dichlorobenzene	11.40	146	455992	50.447	ug/L	99
63) 1,4-Dichlorobenzene	11.49	146	460768	49.195	ug/L	97
65) 1,2-Dichlorobenzene	11.86	146	451764	50.097	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.64	75	83494	50.484	ug/L	98
67) 1,3,5-Trichlorobenzene	12.87	180	336883	48.487	ug/L	99
68) 1,2,4-trichlorobenzene	13.49	180	271463	47.651	ug/L	100
69) Naphthalene	13.73	128	825555	48.536	ug/L	99
70) 1,2,3-Trichlorobenzene	13.97	180	300938	49.986	ug/L	100

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

