

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U100219\
 Data File : VU034890.D
 Acq On : 01 Oct 2019 15:39
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05050

Quant Time: Oct 02 01:50:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM100119WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Oct 01 03:53:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	344138	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	332004	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	155663	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	112002	46.44	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.88%
7) Chloroethane-d5	1.67	69	97521	48.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.26%
11) 1,1-Dichloroethene-d2	2.26	63	202149	47.01	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.02%
21) 2-Butanone-d5	4.15	46	239428	101.73	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	101.73%
24) Chloroform-d	4.62	84	234239	50.05	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.10%
26) 1,2-Dichloroethane-d4	5.29	65	166802	48.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.06%
32) Benzene-d6	5.32	84	455950	50.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.92%
36) 1,2-Dichloropropane-d6	6.31	67	157882	50.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.62%
41) Toluene-d8	7.54	98	430067	50.57	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.14%
43) trans-1,3-Dichloropropene-	7.83	79	71894	52.24	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	104.48%
47) 2-Hexanone-d5	8.29	63	156897	105.49	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	105.49%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	226883	51.12	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.24%
64) 1,2-Dichlorobenzene-d4	11.84	152	157306	50.79	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.58%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	81915	41.264	ug/L 98
3) Chloromethane	1.32	50	62253	36.451	ug/L 98
5) Vinyl chloride	1.40	62	67437	39.459	ug/L 98
6) Bromomethane	1.62	94	35397	40.694	ug/L 98
8) Chloroethane	1.69	64	44860	40.785	ug/L 100
9) Trichlorofluoromethane	1.87	101	116571	45.022	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	79395	48.839	ug/L 100
12) 1,1-Dichloroethene	2.27	96	55643	43.111	ug/L 100
13) Acetone	2.31	43	231645	123.835	ug/L 99
14) Carbon disulfide	2.46	76	66064	31.927	ug/L 99
15) Methyl Acetate	2.60	43	142675	47.782	ug/L 98
16) Methylene chloride	2.68	84	83800	44.450	ug/L 94
17) trans-1,2-Dichloroethene	2.96	96	56569	42.706	ug/L 96
18) Methyl tert-butyl Ether	2.98	73	365304	49.120	ug/L 100
19) 1,1-Dichloroethane	3.42	63	183782	46.784	ug/L 99
20) cis-1,2-Dichloroethene	4.20	96	91693	47.064	ug/L 93
22) 2-Butanone	4.23	43	265507	109.281	ug/L 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.52	128	43385	46.489	ug/L	95
25) Chloroform	4.65	83	206035	47.870	ug/L	99
27) 1,2-Dichloroethane	5.38	62	158985	47.464	ug/L	100
29) Cyclohexane	4.97	56	101325	42.071	ug/L	100
30) 1,1,1-Trichloroethane	4.89	97	152637	48.044	ug/L	100
31) Carbon tetrachloride	5.11	117	116696	47.673	ug/L	99
33) Benzene	5.37	78	335061	47.317	ug/L	100
34) Trichloroethene	6.16	95	81734	46.261	ug/L	97
35) Methylcyclohexane	6.39	83	98385	44.305	ug/L	99
37) 1,2-Dichloropropane	6.41	63	117410	49.036	ug/L	100
38) Bromodichloromethane	6.73	83	155347	50.709	ug/L	98
39) cis-1,3-Dichloropropene	7.25	75	172691	51.195	ug/L	99
40) 4-Methyl-2-pentanone	7.44	43	495230	101.988	ug/L	100
42) Toluene	7.61	91	361262	47.418	ug/L	99
44) trans-1,3-Dichloropropene	7.86	75	156937	50.990	ug/L	96
45) 1,1,2-Trichloroethane	8.04	97	116866	52.107	ug/L	97
46) Tetrachloroethene	8.21	164	53400	46.354	ug/L	98
48) 2-Hexanone	8.34	43	383179	103.988	ug/L	100
49) Dibromochloromethane	8.45	129	121702	51.968	ug/L	100
50) 1,2-Dibromoethane	8.57	107	102736	49.205	ug/L	97
51) Chlorobenzene	9.10	112	251607	48.734	ug/L	97
52) Ethylbenzene	9.23	91	431152	48.208	ug/L	99
53) m,p-Xylene	9.35	106	147413	47.174	ug/L	97
54) o-xylene	9.76	106	161851	49.111	ug/L	99
55) Styrene	9.77	104	290196	50.169	ug/L	100
56) Isopropylbenzene	10.14	105	459512	49.909	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.43	83	236261	52.696	ug/L	99
59) 1,2,3-Trichloropropane	10.47	75	183465	50.842	ug/L	99
61) Bromoform	9.94	173	89019	51.118	ug/L	99
62) 1,3-Dichlorobenzene	11.39	146	214978	51.105	ug/L	99
63) 1,4-Dichlorobenzene	11.48	146	214953	50.791	ug/L	96
65) 1,2-Dichlorobenzene	11.85	146	228579	50.610	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.63	75	50112	52.979	ug/L	97
67) 1,3,5-Trichlorobenzene	12.86	180	160640	56.100	ug/L	99
68) 1,2,4-trichlorobenzene	13.48	180	134610	58.603	ug/L	97
69) Naphthalene	13.72	128	459898	61.100	ug/L	99
70) 1,2,3-Trichlorobenzene	13.97	180	139803	57.207	ug/L	99

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

