

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU073019\
 Data File : VU033490.D
 Acq On : 30 Jul 2019 13:44
 Operator : JC/SP
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05039

Quant Time: Jul 31 08:50:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMULM072919W.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jul 31 08:44:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	302321	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	303206	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.47	152	161404	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	117437	42.78	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	85.56%
7) Chloroethane-d5	1.67	69	101771	44.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.74%
11) 1,1-Dichloroethene-d2	2.26	63	211083	42.05	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.10%
21) 2-Butanone-d5	4.15	46	159233	101.23	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	101.23%
24) Chloroform-d	4.62	84	200872	48.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.78%
26) 1,2-Dichloroethane-d4	5.29	65	126313	47.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.32%
32) Benzene-d6	5.32	84	394905	48.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.04%
36) 1,2-Dichloropropane-d6	6.31	67	124874	49.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.92%
41) Toluene-d8	7.55	98	373128	48.76	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.52%
43) trans-1,3-Dichloropropene-	7.83	79	59019	47.84	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.68%
47) 2-Hexanone-d5	8.29	63	111916	106.71	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	106.71%
56) 1,1,2,2-Tetrachloroethane-	10.41	84	190662	49.21	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.42%
66) 1,2-Dichlorobenzene-d4	11.85	152	150363	48.48	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.96%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	148892	49.361	ug/L 100
3) Chloromethane	1.32	50	143126	47.526	ug/L 100
5) Vinyl chloride	1.40	62	166011	48.203	ug/L 99
6) Bromomethane	1.61	94	107029	44.465	ug/L 99
8) Chloroethane	1.68	64	103329	48.911	ug/L 98
9) Trichlorofluoromethane	1.87	101	226814	50.212	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	108295	47.709	ug/L 99
12) 1,1-Dichloroethene	2.27	96	103789	46.925	ug/L 93
13) Acetone	2.31	43	143676	92.161	ug/L 98
14) Carbon disulfide	2.46	76	309120	46.908	ug/L 99
15) Methyl Acetate	2.60	43	122070	48.826	ug/L 99
16) Methylene chloride	2.68	84	119828	49.312	ug/L 98
17) trans-1,2-Dichloroethene	2.96	96	106400	48.429	ug/L 98
18) Methyl tert-butyl Ether	2.98	73	329706	50.855	ug/L 99
19) 1,1-Dichloroethane	3.42	63	204132	49.348	ug/L 99
20) cis-1,2-Dichloroethene	4.20	96	121791	50.226	ug/L 99
22) 2-Butanone	4.23	43	188715	101.878	ug/L 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.52	128	64214	49.860	ug/L	97
25) Chloroform	4.65	83	218100	49.729	ug/L	99
27) 1,2-Dichloroethane	5.38	62	170260	49.991	ug/L	100
29) Cyclohexane	4.97	56	170362	51.142	ug/L	98
30) 1,1,1-Trichloroethane	4.89	97	182123	50.447	ug/L	99
31) Carbon tetrachloride	5.11	117	160178	49.843	ug/L	99
33) Benzene	5.37	78	463919	51.190	ug/L	100
34) Trichloroethene	6.16	95	118265	50.087	ug/L	99
35) Methylcyclohexane	6.40	83	180095	50.160	ug/L	98
37) 1,2-Dichloropropane	6.41	63	123368	50.614	ug/L	100
38) Bromodichloromethane	6.74	83	161170	50.230	ug/L	99
39) cis-1,3-Dichloropropene	7.25	75	188324	51.814	ug/L	99
40) 4-Methyl-2-pentanone	7.44	43	334811	104.231	ug/L	99
42) Toluene	7.62	91	515982	52.906	ug/L	100
44) trans-1,3-Dichloropropene	7.86	75	168524	51.084	ug/L	100
45) 1,1,2-Trichloroethane	8.05	97	120047	51.640	ug/L	98
46) Tetrachloroethene	8.21	164	96115	50.021	ug/L	97
48) 2-Hexanone	8.34	43	273794	104.624	ug/L	99
49) Dibromochloromethane	8.46	129	134963	51.851	ug/L	98
50) 1,2-Dibromoethane	8.57	107	129334	51.284	ug/L	98
51) Chlorobenzene	9.10	112	324968	50.150	ug/L	99
52) Ethylbenzene	9.23	91	549334	51.961	ug/L	100
53) m,p-Xylene	9.36	106	211400	53.175	ug/L	99
54) o-xylene	9.76	106	209038	53.627	ug/L	96
55) Styrene	9.77	104	358107	54.139	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.44	83	208890	50.545	ug/L	98
59) Bromoform	9.94	173	99077	49.072	ug/L	98
60) 1,2,3-Trichloropropane	10.48	75	164408	49.998	ug/L	98
61) Isopropylbenzene	10.15	105	529742	51.241	ug/L	100
62) 1,3,5-Trimethylbenzene	10.76	105	447033	53.366	ug/L	99
63) 1,2,4-Trimethylbenzene	11.13	105	445931	53.677	ug/L	100
64) 1,3-Dichlorobenzene	11.40	146	258474	49.050	ug/L	99
65) 1,4-Dichlorobenzene	11.49	146	262287	48.180	ug/L	99
67) 1,2-Dichlorobenzene	11.86	146	258197	48.904	ug/L	99
68) 1,2-Dibromo-3-chloropropan	12.64	75	44768	48.969	ug/L	95
69) 1,3,5-Trichlorobenzene	12.87	180	195809	48.939	ug/L	99
70) 1,2,4-trichlorobenzene	13.49	180	168261	50.386	ug/L	97
71) Naphthalene	13.73	128	488892	50.631	ug/L	99
72) 1,2,3-Trichlorobenzene	13.97	180	174811	49.975	ug/L	99

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

