

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U101019\
 Data File : VU035009.D
 Acq On : 09 Oct 2019 15:53
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05053

Quant Time: Oct 10 04:43:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM100319WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Oct 05 03:48:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	376041	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	373291	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	177355	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	139944	46.30	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.60%
7) Chloroethane-d5	1.67	69	115638	50.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	101.52%
11) 1,1-Dichloroethene-d2	2.26	63	263450	49.34	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.68%
21) 2-Butanone-d5	4.15	46	204981	92.07	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	92.07%
24) Chloroform-d	4.62	84	242739	49.40	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.80%
26) 1,2-Dichloroethane-d4	5.28	65	162226	48.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.24%
32) Benzene-d6	5.32	84	506958	48.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.58%
36) 1,2-Dichloropropane-d6	6.31	67	165901	47.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.76%
41) Toluene-d8	7.54	98	480048	48.75	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.50%
43) trans-1,3-Dichloropropene-	7.83	79	73071	47.09	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.18%
47) 2-Hexanone-d5	8.29	63	144720	88.07	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	88.07%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	241466	49.07	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.14%
64) 1,2-Dichlorobenzene-d4	11.84	152	173683	47.70	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	172272	53.647	ug/L 100
3) Chloromethane	1.32	50	183073	51.121	ug/L 98
5) Vinyl chloride	1.40	62	180648	53.363	ug/L 99
6) Bromomethane	1.62	94	102156	51.851	ug/L 97
8) Chloroethane	1.69	64	109621	55.243	ug/L 99
9) Trichlorofluoromethane	1.87	101	222287	55.724	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	128707	57.179	ug/L 99
12) 1,1-Dichloroethene	2.27	96	118444	54.812	ug/L 99
13) Acetone	2.31	43	222152	105.391	ug/L 100
14) Carbon disulfide	2.46	76	369787	51.836	ug/L 98
15) Methyl Acetate	2.60	43	158986	49.836	ug/L 100
16) Methylene chloride	2.68	84	145597	53.132	ug/L 97
17) trans-1,2-Dichloroethene	2.96	96	128393	53.111	ug/L 97
18) Methyl tert-butyl Ether	2.98	73	406033	49.913	ug/L 99
19) 1,1-Dichloroethane	3.42	63	258914	52.943	ug/L 98
20) cis-1,2-Dichloroethene	4.20	96	140445	51.608	ug/L 97
22) 2-Butanone	4.23	43	257746	103.929	ug/L 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.52	128	72876	53.620	ug/L	98
25) Chloroform	4.65	83	266260	53.526	ug/L	99
27) 1,2-Dichloroethane	5.38	62	206991	52.290	ug/L	100
29) Cyclohexane	4.97	56	228351	50.633	ug/L	99
30) 1,1,1-Trichloroethane	4.89	97	209300	51.715	ug/L	100
31) Carbon tetrachloride	5.11	117	184290	52.242	ug/L	100
33) Benzene	5.37	78	571598	52.425	ug/L	100
34) Trichloroethene	6.16	95	143065	52.071	ug/L	98
35) Methylcyclohexane	6.40	83	230758	51.739	ug/L	98
37) 1,2-Dichloropropane	6.41	63	154379	50.802	ug/L	100
38) Bromodichloromethane	6.73	83	188474	51.093	ug/L	99
39) cis-1,3-Dichloropropene	7.25	75	228711	49.675	ug/L	100
40) 4-Methyl-2-pentanone	7.44	43	446282	94.809	ug/L	100
42) Toluene	7.62	91	613226	52.327	ug/L	99
44) trans-1,3-Dichloropropene	7.86	75	202489	50.173	ug/L	100
45) 1,1,2-Trichloroethane	8.04	97	139211	52.099	ug/L	99
46) Tetrachloroethene	8.21	164	113040	51.864	ug/L	99
48) 2-Hexanone	8.34	43	346783	96.667	ug/L	98
49) Dibromochloromethane	8.46	129	151533	52.381	ug/L	99
50) 1,2-Dibromoethane	8.57	107	151607	52.786	ug/L	100
51) Chlorobenzene	9.10	112	387952	51.844	ug/L	99
52) Ethylbenzene	9.23	91	675290	51.904	ug/L	99
53) m,p-Xylene	9.35	106	252735	52.451	ug/L	98
54) o-xylene	9.76	106	248086	52.352	ug/L	100
55) Styrene	9.77	104	417437	52.523	ug/L	98
56) Isopropylbenzene	10.14	105	645270	51.727	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.44	83	252539	51.797	ug/L	100
59) 1,2,3-Trichloropropane	10.47	75	194869	49.602	ug/L	99
61) Bromoform	9.94	173	110146	51.197	ug/L	100
62) 1,3-Dichlorobenzene	11.40	146	286404	51.879	ug/L	99
63) 1,4-Dichlorobenzene	11.49	146	280937	50.912	ug/L	99
65) 1,2-Dichlorobenzene	11.86	146	288252	52.035	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.64	75	46182	47.797	ug/L	98
67) 1,3,5-Trichlorobenzene	12.86	180	191411	51.686	ug/L	99
68) 1,2,4-trichlorobenzene	13.48	180	133575	47.449	ug/L	97
69) Naphthalene	13.72	128	336938	39.455	ug/L	99
70) 1,2,3-Trichlorobenzene	13.96	180	141669	47.697	ug/L	98

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

