

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092019\
 Data File : VU034725.D
 Acq On : 21 Sep 2019 05:48
 Operator : JC/SP
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05039

Quant Time: Sep 21 06:11:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Sep 21 05:27:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	450370	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	436454	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	208024	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	159358	34.56	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	69.12%
7) Chloroethane-d5	1.67	69	135886	38.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	76.26%
11) 1,1-Dichloroethene-d2	2.26	63	310247	39.73	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	79.46%
21) 2-Butanone-d5	4.15	46	360533	102.03	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.03%
24) Chloroform-d	4.62	84	306682	45.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.50%
26) 1,2-Dichloroethane-d4	5.29	65	218695	44.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.76%
32) Benzene-d6	5.32	84	586145	43.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.66%
36) 1,2-Dichloropropane-d6	6.31	67	209408	44.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	88.58%
41) Toluene-d8	7.54	98	554787	43.11	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.22%
43) trans-1,3-Dichloropropene-	7.83	79	96557	42.64	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.28%
47) 2-Hexanone-d5	8.29	63	228353	96.16	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	96.16%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	302000	46.03	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.06%
64) 1,2-Dichlorobenzene-d4	11.84	152	197780	45.34	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.68%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	212214	45.718	ug/L 98
3) Chloromethane	1.32	50	262696	47.246	ug/L 98
5) Vinyl chloride	1.40	62	236632	46.597	ug/L 99
6) Bromomethane	1.62	94	125034	45.081	ug/L 92
8) Chloroethane	1.69	64	141382	48.360	ug/L 97
9) Trichlorofluoromethane	1.87	101	292085	45.616	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	138950	45.259	ug/L 97
12) 1,1-Dichloroethene	2.27	96	138540	47.017	ug/L 88
13) Acetone	2.31	43	245746	59.785	ug/L 99
14) Carbon disulfide	2.46	76	452187	45.482	ug/L 99
15) Methyl Acetate	2.60	43	269473	49.077	ug/L 99
16) Methylene chloride	2.68	84	178568	47.841	ug/L 97
17) trans-1,2-Dichloroethene	2.96	96	155468	48.258	ug/L 96
18) Methyl tert-butyl Ether	2.98	73	579626	48.496	ug/L 99
19) 1,1-Dichloroethane	3.42	63	352576	47.707	ug/L 99
20) cis-1,2-Dichloroethene	4.20	96	186519	49.515	ug/L 92
22) 2-Butanone	4.23	43	401553	82.114	ug/L 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.52	128	86810	48.147	uq/L	96
25) Chloroform	4.65	83	339240	46.614	uq/L	99
27) 1,2-Dichloroethane	5.38	62	294625	46.865	uq/L	99
29) Cyclohexane	4.97	56	329405	45.726	uq/L	98
30) 1,1,1-Trichloroethane	4.89	97	277699	46.748	uq/L	98
31) Carbon tetrachloride	5.11	117	238369	47.083	uq/L	99
33) Benzene	5.37	78	729778	48.211	uq/L	100
34) Trichloroethene	6.16	95	178130	47.648	uq/L	97
35) Methylcyclohexane	6.39	83	286455	45.153	uq/L	98
37) 1,2-Dichloropropane	6.41	63	214682	47.630	uq/L	99
38) Bromodichloromethane	6.73	83	250259	45.784	uq/L	99
39) cis-1,3-Dichloropropene	7.25	75	286780	42.345	uq/L	97
40) 4-Methyl-2-pentanone	7.44	43	811305	94.280	uq/L	98
42) Toluene	7.61	91	787118	48.114	uq/L	99
44) trans-1,3-Dichloropropene	7.86	75	276371	45.267	uq/L	98
45) 1,1,2-Trichloroethane	8.04	97	172210	47.698	uq/L	97
46) Tetrachloroethene	8.21	164	128947	49.036	uq/L	93
48) 2-Hexanone	8.34	43	616844	91.780	uq/L	100
49) Dibromochloromethane	8.45	129	189631	47.122	uq/L	99
50) 1,2-Dibromoethane	8.56	107	189186	48.620	uq/L	100
51) Chlorobenzene	9.10	112	473757	47.639	uq/L	99
52) Ethylbenzene	9.23	91	867557	47.094	uq/L	98
53) m,p-Xylene	9.35	106	310473	47.582	uq/L	99
54) o-xylene	9.76	106	311281	48.233	uq/L	97
55) Styrene	9.77	104	527852	48.320	uq/L	99
56) Isopropylbenzene	10.14	105	818735	47.050	uq/L	99
58) 1,1,2,2-Tetrachloroethane	10.43	83	323941	46.715	uq/L	99
59) 1,2,3-Trichloropropane	10.47	75	258182	45.862	uq/L	98
61) Bromoform	9.94	173	134761	47.051	uq/L	100
62) 1,3-Dichlorobenzene	11.39	146	350058	48.592	uq/L	96
63) 1,4-Dichlorobenzene	11.48	146	347719	47.382	uq/L	98
65) 1,2-Dichlorobenzene	11.86	146	348329	47.854	uq/L	98
66) 1,2-Dibromo-3-chloropropan	12.63	75	72111	46.608	uq/L	96
67) 1,3,5-Trichlorobenzene	12.86	180	231385	47.937	uq/L	95
68) 1,2,4-trichlorobenzene	13.48	180	193256	50.914	uq/L	99
69) Naphthalene	13.72	128	661459	50.338	uq/L	99
70) 1,2,3-Trichlorobenzene	13.96	180	189819	48.601	uq/L	98

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

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