

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU031619\
 Data File : VU030098.D
 Acq On : 15 Mar 2019 10:07
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05038

Quant Time: Mar 16 00:01:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031319WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Mar 15 02:44:49 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	546585	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	528492	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	281237	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	164151	45.40	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.80%
7) Chloroethane-d5	1.68	69	134745	46.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.34%
11) 1,1-Dichloroethene-d2	2.27	63	293227	44.93	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.86%
21) 2-Butanone-d5	4.17	46	249350	92.05	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	92.05%
24) Chloroform-d	4.64	84	303652	46.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.64%
26) 1,2-Dichloroethane-d4	5.31	65	174141	46.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.96%
32) Benzene-d6	5.34	84	638621	46.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.88%
36) 1,2-Dichloropropane-d6	6.33	67	195419	46.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.88%
41) Toluene-d8	7.56	98	594079	46.64	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.28%
43) trans-1,3-Dichloropropene-	7.85	79	96380	47.79	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.58%
47) 2-Hexanone-d5	8.31	63	211846	90.93	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	90.93%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	297466	46.49	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.98%
64) 1,2-Dichlorobenzene-d4	11.86	152	249143	45.73	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.46%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.21	85	156397	45.285	ug/L 99
3) Chloromethane	1.33	50	164033	43.051	ug/L 98
5) Vinyl chloride	1.40	62	184998	44.292	ug/L 100
6) Bromomethane	1.62	94	93392	36.095	ug/L 98
8) Chloroethane	1.70	64	115375	42.146	ug/L 94
9) Trichlorofluoromethane	1.88	101	257615	45.990	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	170029	47.350	ug/L 97
12) 1,1-Dichloroethene	2.28	96	154306	45.041	ug/L 95
13) Acetone	2.32	43	249926	78.912	ug/L 99
14) Carbon disulfide	2.48	76	463353	43.638	ug/L 100
15) Methyl Acetate	2.61	43	185627	45.365	ug/L 98
16) Methylene chloride	2.70	84	182190	45.038	ug/L 99
17) trans-1,2-Dichloroethene	2.98	96	169875	45.533	ug/L 99
18) Methyl tert-butyl Ether	3.00	73	514915	46.535	ug/L 99
19) 1,1-Dichloroethane	3.44	63	301336	47.042	ug/L 99
20) cis-1,2-Dichloroethene	4.22	96	195020	45.917	ug/L 98
22) 2-Butanone	4.26	43	304665	84.497	ug/L 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	100425	45.646	uq/L	99
25) Chloroform	4.67	83	316590	47.090	uq/L	98
27) 1,2-Dichloroethane	5.40	62	224903	46.529	uq/L	98
29) Cyclohexane	4.99	56	266879	45.785	uq/L	98
30) 1,1,1-Trichloroethane	4.91	97	266574	46.204	uq/L	99
31) Carbon tetrachloride	5.13	117	234930	46.113	uq/L	99
33) Benzene	5.39	78	707086	46.756	uq/L	100
34) Trichloroethene	6.18	95	185482	46.797	uq/L	100
35) Methylcyclohexane	6.41	83	302953	47.135	uq/L	100
37) 1,2-Dichloropropane	6.43	63	187288	47.082	uq/L	99
38) Bromodichloromethane	6.75	83	240087	48.535	uq/L	99
39) cis-1,3-Dichloropropene	7.27	75	297635	48.080	uq/L	99
40) 4-Methyl-2-pentanone	7.46	43	492145	91.628	uq/L	99
42) Toluene	7.63	91	774285	47.091	uq/L	100
44) trans-1,3-Dichloropropene	7.88	75	271886	48.103	uq/L	97
45) 1,1,2-Trichloroethane	8.06	97	189234	47.568	uq/L	98
46) Tetrachloroethene	8.22	164	162582	46.872	uq/L	97
48) 2-Hexanone	8.36	43	406689	88.754	uq/L	98
49) Dibromochloromethane	8.47	129	212769	47.870	uq/L	99
50) 1,2-Dibromoethane	8.58	107	204888	46.725	uq/L	98
51) Chlorobenzene	9.12	112	515581	46.511	uq/L	99
52) Ethylbenzene	9.25	91	848140	46.856	uq/L	99
53) m,p-Xylene	9.37	106	333460	47.615	uq/L	98
54) o-xylene	9.77	106	325800	47.363	uq/L	99
55) Styrene	9.79	104	570744	48.729	uq/L	99
56) Isopropylbenzene	10.16	105	858838	47.691	uq/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.45	83	318205	46.603	uq/L	99
59) 1,2,3-Trichloropropane	10.49	75	239562	46.242	uq/L	100
61) Bromoform	9.95	173	170764	48.780	uq/L	99
62) 1,3-Dichlorobenzene	11.41	146	423401	46.618	uq/L	100
63) 1,4-Dichlorobenzene	11.50	146	438559	47.487	uq/L	99
65) 1,2-Dichlorobenzene	11.88	146	429568	46.988	uq/L	98
66) 1,2-Dibromo-3-chloropropan	12.65	75	67547	45.467	uq/L	99
67) 1,3,5-Trichlorobenzene	12.88	180	339227	48.121	uq/L	99
68) 1,2,4-trichlorobenzene	13.50	180	311974	48.380	uq/L	99
69) Naphthalene	13.74	128	973831	46.482	uq/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	319040	47.626	uq/L	99

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

