

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU031219\
 Data File : VU029963.D
 Acq On : 11 Mar 2019 09:10
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05058

Quant Time: Mar 11 09:38:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031119WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Mar 11 07:10:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	531859	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	521092	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	274210	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	138661	42.73	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	85.46%
7) Chloroethane-d5	1.67	69	117598	43.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	86.22%
11) 1,1-Dichloroethene-d2	2.27	63	282966	46.26	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.52%
21) 2-Butanone-d5	4.17	46	240495	95.66	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	95.66%
24) Chloroform-d	4.64	84	299634	47.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.90%
26) 1,2-Dichloroethane-d4	5.31	65	175055	47.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.62%
32) Benzene-d6	5.34	84	612193	47.15	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.30%
36) 1,2-Dichloropropane-d6	6.32	67	188373	48.03	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.06%
41) Toluene-d8	7.56	98	592019	47.51	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.02%
43) trans-1,3-Dichloropropene-	7.85	79	89686	47.25	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.50%
47) 2-Hexanone-d5	8.31	63	185492	87.90	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	87.90%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	302051	48.78	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.56%
64) 1,2-Dichlorobenzene-d4	11.85	152	251067	46.68	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.36%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	209573	51.142	ug/L 100
3) Chloromethane	1.33	50	253292	47.180	ug/L 100
5) Vinyl chloride	1.40	62	210630	50.644	ug/L 99
6) Bromomethane	1.62	94	65013	58.962	ug/L 95
8) Chloroethane	1.69	64	122415	48.122	ug/L 98
9) Trichlorofluoromethane	1.88	101	277320	50.351	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	174768	51.558	ug/L 99
12) 1,1-Dichloroethene	2.28	96	165403	50.281	ug/L 91
13) Acetone	2.32	43	291752	106.384	ug/L 98
14) Carbon disulfide	2.47	76	523555	51.066	ug/L 99
15) Methyl Acetate	2.61	43	192569	50.861	ug/L 99
16) Methylene chloride	2.70	84	191448	49.638	ug/L 98
17) trans-1,2-Dichloroethene	2.98	96	177921	51.017	ug/L 99
18) Methyl tert-butyl Ether	3.00	73	506635	58.036	ug/L 99
19) 1,1-Dichloroethane	3.44	63	306761	51.011	ug/L 99
20) cis-1,2-Dichloroethene	4.22	96	202062	50.778	ug/L 99
22) 2-Butanone	4.26	43	332405	105.886	ug/L 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	103797	51.888	ug/L	97
25) Chloroform	4.67	83	325006	50.225	ug/L	100
27) 1,2-Dichloroethane	5.40	62	233571	50.752	ug/L	99
29) Cyclohexane	4.99	56	280656	52.599	ug/L	100
30) 1,1,1-Trichloroethane	4.91	97	273042	52.020	ug/L	100
31) Carbon tetrachloride	5.13	117	222181	47.938	ug/L	100
33) Benzene	5.39	78	718494	51.616	ug/L	100
34) Trichloroethene	6.18	95	189856	50.608	ug/L	98
35) Methylcyclohexane	6.41	83	314680	52.566	ug/L	98
37) 1,2-Dichloropropane	6.43	63	186137	51.312	ug/L	100
38) Bromodichloromethane	6.75	83	229438	50.523	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	286778	51.946	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	507360	104.890	ug/L	99
42) Toluene	7.63	91	795623	52.287	ug/L	99
44) trans-1,3-Dichloropropene	7.87	75	256757	52.203	ug/L	99
45) 1,1,2-Trichloroethane	8.06	97	185957	50.499	ug/L	99
46) Tetrachloroethene	8.22	164	167123	51.725	ug/L	97
48) 2-Hexanone	8.36	43	451034	110.301	ug/L	99
49) Dibromochloromethane	8.47	129	203743	50.552	ug/L	98
50) 1,2-Dibromoethane	8.58	107	203752	51.339	ug/L	99
51) Chlorobenzene	9.12	112	531752	51.635	ug/L	99
52) Ethylbenzene	9.25	91	877792	52.154	ug/L	100
53) m,p-Xylene	9.37	106	339214	52.646	ug/L	97
54) o-xylene	9.77	106	334308	52.114	ug/L	100
55) Styrene	9.79	104	531859	51.105	ug/L	99
56) Isopropylbenzene	10.16	105	868496	52.279	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.45	83	328583	51.530	ug/L	100
59) 1,2,3-Trichloropropane	10.49	75	244816	50.913	ug/L	100
61) Bromoform	9.95	173	161421	50.559	ug/L	100
62) 1,3-Dichlorobenzene	11.41	146	435082	51.900	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	438828	51.121	ug/L	100
65) 1,2-Dichlorobenzene	11.87	146	435801	50.965	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.65	75	66547	49.656	ug/L	99
67) 1,3,5-Trichlorobenzene	12.88	180	340703	53.549	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	300778	52.990	ug/L	99
69) Naphthalene	13.74	128	946484	53.957	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	313437	52.590	ug/L	99

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

