

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU041219\
 Data File : VU031151.D
 Acq On : 13 Apr 2019 01:31
 Operator : JC/SP
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05034

Quant Time: Apr 13 02:01:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Apr 13 01:01:33 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	465695	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	464283	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	223755	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	202774	48.78	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	97.56%
7) Chloroethane-d5	1.67	69	163065	51.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	103.36%
11) 1,1-Dichloroethene-d2	2.27	63	386917	51.46	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	102.92%
21) 2-Butanone-d5	4.17	46	336483	102.13	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.13%
24) Chloroform-d	4.64	84	357541	56.30	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	112.60%
26) 1,2-Dichloroethane-d4	5.31	65	227358	52.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.94%
32) Benzene-d6	5.33	84	700159	51.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.32%
36) 1,2-Dichloropropane-d6	6.32	67	225790	48.61	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.22%
41) Toluene-d8	7.56	98	618645	51.49	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.98%
43) trans-1,3-Dichloropropene-	7.85	79	103204	48.73	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.46%
47) 2-Hexanone-d5	8.31	63	201317	94.83	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	94.83%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	329785	52.64	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	105.28%
64) 1,2-Dichlorobenzene-d4	11.85	152	233196	52.99	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.98%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	191633	46.847 ug/L	100
3) Chloromethane	1.32	50	237343	44.856 ug/L	98
5) Vinyl chloride	1.40	62	239678	46.795 ug/L	96
6) Bromomethane	1.62	94	124381	46.872 ug/L	96
8) Chloroethane	1.69	64	143490	49.119 ug/L	100
9) Trichlorofluoromethane	1.88	101	317689	53.232 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	169122	50.717 ug/L	98
12) 1,1-Dichloroethene	2.28	96	166396	51.690 ug/L	93
13) Acetone	2.31	43	250995	74.447 ug/L	99
14) Carbon disulfide	2.47	76	471020	47.101 ug/L	99
15) Methyl Acetate	2.61	43	257888	49.334 ug/L	99
16) Methylene chloride	2.69	84	201234	51.459 ug/L	96
17) trans-1,2-Dichloroethene	2.98	96	167225	48.925 ug/L	96
18) Methyl tert-butyl Ether	2.99	73	578976	50.568 ug/L	99
19) 1,1-Dichloroethane	3.44	63	360072	51.047 ug/L	98
20) cis-1,2-Dichloroethene	4.22	96	198917	52.707 ug/L	92
22) 2-Butanone	4.26	43	375266	94.933 ug/L	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	100551	56.355	uq/L	88
25) Chloroform	4.67	83	373451	52.677	uq/L	98
27) 1,2-Dichloroethane	5.40	62	281468	52.019	uq/L	100
29) Cyclohexane	4.99	56	292692	44.231	uq/L	94
30) 1,1,1-Trichloroethane	4.91	97	297667	52.608	uq/L	99
31) Carbon tetrachloride	5.13	117	257749	52.862	uq/L	99
33) Benzene	5.38	78	785519	51.702	uq/L	100
34) Trichloroethene	6.18	95	303756	81.514	uq/L	98
35) Methylcyclohexane	6.41	83	264207	45.942	uq/L	98
37) 1,2-Dichloropropane	6.43	63	217011	50.442	uq/L	100
38) Bromodichloromethane	6.75	83	273808	52.757	uq/L	99
39) cis-1,3-Dichloropropene	7.27	75	287148	46.893	uq/L	98
40) 4-Methyl-2-pentanone	7.46	43	665563	96.204	uq/L	98
42) Toluene	7.63	91	822441	53.030	uq/L	100
44) trans-1,3-Dichloropropene	7.87	75	272958	50.581	uq/L	99
45) 1,1,2-Trichloroethane	8.06	97	196193	53.771	uq/L	97
46) Tetrachloroethene	8.22	164	141572	52.255	uq/L	98
48) 2-Hexanone	8.36	43	530325	98.253	uq/L	99
49) Dibromochloromethane	8.47	129	214083	55.296	uq/L	98
50) 1,2-Dibromoethane	8.58	107	210372	53.283	uq/L	97
51) Chlorobenzene	9.12	112	503406	52.923	uq/L	98
52) Ethylbenzene	9.25	91	862465	51.018	uq/L	98
53) m,p-Xylene	9.37	106	309741	52.535	uq/L	98
54) o-xylene	9.77	106	313055	53.381	uq/L	100
55) Styrene	9.79	104	558538	55.524	uq/L	99
56) Isopropylbenzene	10.16	105	817597	52.951	uq/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	343699	52.079	uq/L	98
59) 1,2,3-Trichloropropane	10.49	75	268760	52.160	uq/L	100
61) Bromoform	9.95	173	162575	55.000	uq/L	98
62) 1,3-Dichlorobenzene	11.41	146	348146	49.230	uq/L	97
63) 1,4-Dichlorobenzene	11.50	146	367284	51.059	uq/L	99
65) 1,2-Dichlorobenzene	11.87	146	380519	53.643	uq/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	75213	49.876	uq/L	98
67) 1,3,5-Trichlorobenzene	12.88	180	260931	50.488	uq/L	99
68) 1,2,4-trichlorobenzene	13.50	180	220830	50.255	uq/L	97
69) Naphthalene	13.74	128	719227	50.490	uq/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	247875	53.991	uq/L	97

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

