

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041119\
 Data File : VU031066.D
 Acq On : 11 Apr 2019 14:15
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 57 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05060

Quant Time: Apr 12 03:13:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Apr 12 03:03:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	518778	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	512722	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	250645	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	241101	52.06	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	104.12%
7) Chloroethane-d5	1.68	69	182152	51.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	103.64%
11) 1,1-Dichloroethene-d2	2.27	63	415751	49.64	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.28%
21) 2-Butanone-d5	4.17	46	320251	87.25	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	87.25%
24) Chloroform-d	4.64	84	368684	52.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.24%
26) 1,2-Dichloroethane-d4	5.30	65	234773	48.64	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.28%
32) Benzene-d6	5.33	84	737389	49.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.52%
36) 1,2-Dichloropropane-d6	6.32	67	242751	47.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.64%
41) Toluene-d8	7.56	98	662453	49.93	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.86%
43) trans-1,3-Dichloropropene-	7.85	79	116692	49.89	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.78%
47) 2-Hexanone-d5	8.31	63	199031	84.89	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	84.89%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	322709	46.64	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.28%
64) 1,2-Dichlorobenzene-d4	11.85	152	241761	49.05	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.10%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	225178	49.414	ug/L 100
3) Chloromethane	1.32	50	264694	44.907	ug/L 99
5) Vinyl chloride	1.40	62	279652	49.013	ug/L 95
6) Bromomethane	1.62	94	134843	45.615	ug/L 100
8) Chloroethane	1.69	64	162684	49.991	ug/L 97
9) Trichlorofluoromethane	1.88	101	358746	53.960	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	186779	50.281	ug/L 98
12) 1,1-Dichloroethene	2.28	96	176778	49.296	ug/L 86
13) Acetone	2.32	43	373279	99.388	ug/L 99
14) Carbon disulfide	2.47	76	517477	46.451	ug/L 99
15) Methyl Acetate	2.61	43	271025	46.542	ug/L 99
16) Methylene chloride	2.69	84	218310	50.113	ug/L 95
17) trans-1,2-Dichloroethene	2.98	96	198395	52.105	ug/L 97
18) Methyl tert-butyl Ether	2.99	73	649218	50.901	ug/L 99
19) 1,1-Dichloroethane	3.44	63	397051	50.530	ug/L 98
20) cis-1,2-Dichloroethene	4.22	96	218798	52.042	ug/L 90
22) 2-Butanone	4.25	43	440847	100.112	ug/L 91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	109004	54.842	ug/L	92
25) Chloroform	4.67	83	400767	50.745	ug/L	99
27) 1,2-Dichloroethane	5.40	62	314351	52.151	ug/L	98
29) Cyclohexane	4.99	56	355341	48.626	ug/L	95
30) 1,1,1-Trichloroethane	4.91	97	326266	52.215	ug/L	99
31) Carbon tetrachloride	5.13	117	287214	53.340	ug/L	100
33) Benzene	5.38	78	866271	51.630	ug/L	100
34) Trichloroethene	6.18	95	219054	53.230	ug/L	97
35) Methylcyclohexane	6.41	83	334762	52.711	ug/L	96
37) 1,2-Dichloropropane	6.43	63	232366	48.909	ug/L	99
38) Bromodichloromethane	6.75	83	296925	51.806	ug/L	98
39) cis-1,3-Dichloropropene	7.26	75	352907	52.187	ug/L	99
40) 4-Methyl-2-pentanone	7.45	43	725526	94.964	ug/L	98
42) Toluene	7.63	91	903068	52.728	ug/L	100
44) trans-1,3-Dichloropropene	7.87	75	311023	52.190	ug/L	98
45) 1,1,2-Trichloroethane	8.06	97	211111	52.394	ug/L	98
46) Tetrachloroethene	8.22	164	162038	54.159	ug/L	98
48) 2-Hexanone	8.36	43	591783	99.282	ug/L	98
49) Dibromochloromethane	8.47	129	222977	52.152	ug/L	97
50) 1,2-Dibromoethane	8.58	107	219088	50.248	ug/L	98
51) Chlorobenzene	9.12	112	561403	53.445	ug/L	99
52) Ethylbenzene	9.24	91	985236	52.774	ug/L	99
53) m,p-Xylene	9.37	106	354985	54.520	ug/L	100
54) o-xylene	9.77	106	348245	53.771	ug/L	98
55) Styrene	9.79	104	616742	55.518	ug/L	98
56) Isopropylbenzene	10.16	105	932985	54.715	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.45	83	360662	49.486	ug/L	100
59) 1,2,3-Trichloropropane	10.49	75	285203	50.122	ug/L	98
61) Bromoform	9.95	173	167681	50.642	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	411142	51.901	ug/L	98
63) 1,4-Dichlorobenzene	11.50	146	430896	53.476	ug/L	98
65) 1,2-Dichlorobenzene	11.87	146	419669	52.815	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.65	75	79334	46.965	ug/L	99
67) 1,3,5-Trichlorobenzene	12.88	180	316271	54.631	ug/L	97
68) 1,2,4-trichlorobenzene	13.50	180	277601	56.397	ug/L	99
69) Naphthalene	13.74	128	874490	54.803	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	281704	54.777	ug/L	98

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

