

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041319\
 Data File : VU031173.D
 Acq On : 13 Apr 2019 21:40
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05036

Quant Time: Apr 13 22:33:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Apr 13 22:25:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	454152	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	417928	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	212198	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	173289	42.74	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	85.48%
7) Chloroethane-d5	1.67	69	143633	46.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.36%
11) 1,1-Dichloroethene-d2	2.27	63	330327	45.05	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.10%
21) 2-Butanone-d5	4.17	46	336349	104.68	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.68%
24) Chloroform-d	4.64	84	332189	53.64	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.28%
26) 1,2-Dichloroethane-d4	5.30	65	213843	50.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.20%
32) Benzene-d6	5.33	84	645489	52.91	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.82%
36) 1,2-Dichloropropane-d6	6.32	67	215504	51.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	103.08%
41) Toluene-d8	7.56	98	576146	53.28	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.56%
43) trans-1,3-Dichloropropene-	7.85	79	97392	51.08	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	102.16%
47) 2-Hexanone-d5	8.31	63	201201	105.29	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	105.29%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	301170	53.40	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	106.80%
64) 1,2-Dichlorobenzene-d4	11.85	152	223354	53.52	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	107.04%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	175407	43.970	ug/L 99
3) Chloromethane	1.32	50	213939	41.461	ug/L 97
5) Vinyl chloride	1.40	62	217251	43.494	ug/L 93
6) Bromomethane	1.62	94	117320	45.335	ug/L 96
8) Chloroethane	1.69	64	129897	45.596	ug/L 98
9) Trichlorofluoromethane	1.88	101	288791	49.620	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	150696	46.340	ug/L 97
12) 1,1-Dichloroethene	2.28	96	147533	46.995	ug/L 94
13) Acetone	2.32	43	238112	72.421	ug/L 100
14) Carbon disulfide	2.47	76	397404	40.749	ug/L 98
15) Methyl Acetate	2.61	43	242139	47.498	ug/L 99
16) Methylene chloride	2.69	84	182486	47.851	ug/L 93
17) trans-1,2-Dichloroethene	2.98	96	159220	47.767	ug/L 94
18) Methyl tert-butyl Ether	2.99	73	554776	49.686	ug/L 100
19) 1,1-Dichloroethane	3.44	63	340578	49.511	ug/L 96
20) cis-1,2-Dichloroethene	4.22	96	192307	52.250	ug/L 90
22) 2-Butanone	4.26	43	366371	95.039	ug/L 92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	4.54	128	97545	56.060	ug/L	84
25) Chloroform	4.67	83	356075	51.502	ug/L	98
27) 1,2-Dichloroethane	5.40	62	268381	50.861	ug/L	100
29) Cyclohexane	4.99	56	276327	46.390	ug/L	95
30) 1,1,1-Trichloroethane	4.91	97	282131	55.393	ug/L	98
31) Carbon tetrachloride	5.13	117	246069	56.064	ug/L	100
33) Benzene	5.38	78	732512	53.560	ug/L	100
34) Trichloroethene	6.18	95	189995	56.641	ug/L	98
35) Methylcyclohexane	6.41	83	247522	47.814	ug/L	96
37) 1,2-Dichloropropane	6.43	63	202452	52.278	ug/L	100
38) Bromodichloromethane	6.75	83	260844	55.833	ug/L	98
39) cis-1,3-Dichloropropene	7.27	75	289311	52.487	ug/L	98
40) 4-Methyl-2-pentanone	7.46	43	647620	103.993	ug/L	97
42) Toluene	7.63	91	772696	55.349	ug/L	98
44) trans-1,3-Dichloropropene	7.88	75	260554	53.638	ug/L	98
45) 1,1,2-Trichloroethane	8.06	97	188397	57.362	ug/L	95
46) Tetrachloroethene	8.22	164	133370	54.688	ug/L	99
48) 2-Hexanone	8.36	43	517551	106.522	ug/L	97
49) Dibromochloromethane	8.47	129	204218	58.598	ug/L	99
50) 1,2-Dibromoethane	8.58	107	197480	55.566	ug/L	100
51) Chlorobenzene	9.12	112	458780	53.581	ug/L	96
52) Ethylbenzene	9.25	91	793866	52.169	ug/L	97
53) m,p-Xylene	9.37	106	286582	53.998	ug/L	99
54) o-xylene	9.77	106	282089	53.435	ug/L	99
55) Styrene	9.79	104	495826	54.757	ug/L	98
56) Isopropylbenzene	10.16	105	778502	56.011	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	329301	55.431	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	256883	55.385	ug/L	100
61) Bromoform	9.95	173	145927	52.057	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	340078	50.709	ug/L	97
63) 1,4-Dichlorobenzene	11.50	146	343919	50.415	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	363483	54.032	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	74709	52.240	ug/L	99
67) 1,3,5-Trichlorobenzene	12.88	180	245549	50.100	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	212644	51.028	ug/L	95
69) Naphthalene	13.74	128	698817	51.729	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	235136	54.006	ug/L	96

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

