

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072018\
 Data File : VU025534.D
 Acq On : 20 Jul 2018 12:01
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05059

Quant Time: Jul 21 01:14:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM072018WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jul 21 01:12:55 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	340572	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	321538	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	167215	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	95451	49.09	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	98.18%
7) Chloroethane-d5	1.68	69	78569	48.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.98%
11) 1,1-Dichloroethene-d2	2.28	63	201453	49.77	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.54%
21) 2-Butanone-d5	4.18	46	160136	106.68	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	106.68%
24) Chloroform-d	4.65	84	216855	50.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.14%
26) 1,2-Dichloroethane-d4	5.31	65	140868	49.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.36%
32) Benzene-d6	5.35	84	414890	50.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.62%
36) 1,2-Dichloropropane-d6	6.34	67	131385	49.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.90%
41) Toluene-d8	7.57	98	396093	50.08	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.16%
43) trans-1,3-Dichloropropene-	7.85	79	70316	51.81	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	103.62%
47) 2-Hexanone-d5	8.31	63	119249	107.18	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	107.18%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	188644	50.76	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.52%
64) 1,2-Dichlorobenzene-d4	11.86	152	170607	50.34	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.68%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.21	85	158596	47.26	ug/L	100
3) Chloromethane	1.33	50	118525	48.91	ug/L	100
5) Vinyl chloride	1.41	62	128328	48.28	ug/L	99
6) Bromomethane	1.63	94	56785	61.43	ug/L	93
8) Chloroethane	1.70	64	73608	47.03	ug/L	98
9) Trichlorofluoromethane	1.89	101	178183	47.08	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	105526	49.79	ug/L	99
12) 1,1-Dichloroethene	2.29	96	93384	48.59	ug/L	98
13) Acetone	2.32	43	149245	84.71	ug/L	99
14) Carbon disulfide	2.48	76	302018	48.26	ug/L	100
15) Methyl Acetate	2.62	43	121433	49.86	ug/L	99
16) Methylene chloride	2.71	84	117335	49.01	ug/L	98
17) trans-1,2-Dichloroethene	2.99	96	105536	47.69	ug/L	99
18) Methyl tert-butyl Ether	3.00	73	357660	49.63	ug/L	99
19) 1,1-Dichloroethane	3.45	63	201099	47.77	ug/L	99
20) cis-1,2-Dichloroethene	4.23	96	123551	49.46	ug/L	99
22) 2-Butanone	4.26	43	181756	92.67	ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	64812	49.16	ug/L	98
25) Chloroform	4.68	83	212721	48.02	ug/L	98
27) 1,2-Dichloroethane	5.41	62	175971	48.70	ug/L	97
29) Cyclohexane	5.00	56	181187	48.64	ug/L	99
30) 1,1,1-Trichloroethane	4.92	97	192021	47.72	ug/L	99
31) Carbon tetrachloride	5.14	117	174006	46.77	ug/L	99
33) Benzene	5.39	78	445936	48.27	ug/L	100
34) Trichloroethene	6.19	95	118350	48.28	ug/L	96
35) Methylcyclohexane	6.42	83	196031	49.60	ug/L	97
37) 1,2-Dichloropropane	6.44	63	124065	49.14	ug/L	100
38) Bromodichloromethane	6.76	83	162111	48.70	ug/L	98
39) cis-1,3-Dichloropropene	7.27	75	195900	50.00	ug/L	98
40) 4-Methyl-2-pentanone	7.46	43	328267	99.01	ug/L	98
42) Toluene	7.64	91	481804	48.36	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	182367	49.37	ug/L	97
45) 1,1,2-Trichloroethane	8.07	97	115691	47.77	ug/L	100
46) Tetrachloroethene	8.23	164	104144	49.01	ug/L	98
48) 2-Hexanone	8.36	43	274394	97.95	ug/L	99
49) Dibromochloromethane	8.48	129	140481	49.45	ug/L	97
50) 1,2-Dibromoethane	8.59	107	126401	48.45	ug/L	98
51) Chlorobenzene	9.12	112	320644	47.80	ug/L	100
52) Ethylbenzene	9.25	91	543042	49.38	ug/L	99
53) m,p-Xylene	9.38	106	211012	50.10	ug/L	96
54) o-xylene	9.78	106	208272	48.73	ug/L	99
55) Styrene	9.80	104	350756	50.39	ug/L	99
56) Isopropylbenzene	10.17	105	546337	49.53	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.46	83	190160	48.68	ug/L	98
59) 1,2,3-Trichloropropane	10.50	75	143586	48.42	ug/L	100
61) Bromoform	9.96	173	103139	47.69	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	263762	49.87	ug/L	98
63) 1,4-Dichlorobenzene	11.51	146	266163	49.30	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	270696	48.85	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	44966	51.60	ug/L	97
67) 1,3,5-Trichlorobenzene	12.89	180	208713	51.12	ug/L	99
68) 1,2,4-trichlorobenzene	13.51	180	179458	52.30	ug/L	97
69) Naphthalene	13.74	128	549411	53.24	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	188055	51.84	ug/L	100

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

