

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072018\
 Data File : VU025570.D
 Acq On : 21 Jul 2018 02:14
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05061

Quant Time: Jul 21 02:56:33 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM072018WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jul 21 02:53:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	335313	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	311525	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	161406	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	89496	46.75	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	93.50%
7) Chloroethane-d5	1.68	69	74321	47.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.14%
11) 1,1-Dichloroethene-d2	2.28	63	197037	49.44	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.88%
21) 2-Butanone-d5	4.18	46	147178	99.59	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.59%
24) Chloroform-d	4.65	84	206312	48.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.76%
26) 1,2-Dichloroethane-d4	5.31	65	137972	48.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.86%
32) Benzene-d6	5.35	84	397363	49.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.46%
36) 1,2-Dichloropropane-d6	6.34	67	125081	48.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.18%
41) Toluene-d8	7.57	98	382854	49.97	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.94%
43) trans-1,3-Dichloropropene-	7.85	79	61333	46.64	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.28%
47) 2-Hexanone-d5	8.31	63	112347	104.22	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	104.22%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	175195	48.66	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.32%
64) 1,2-Dichlorobenzene-d4	11.86	152	161473	49.36	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.72%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.21	85	155281	47.00	ug/L	99
3) Chloromethane	1.33	50	120567	50.53	ug/L	99
5) Vinyl chloride	1.41	62	127967	48.90	ug/L	100
6) Bromomethane	1.63	94	52626	57.83	ug/L	97
8) Chloroethane	1.70	64	74593	48.41	ug/L	99
9) Trichlorofluoromethane	1.89	101	179719	48.23	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	104592	50.12	ug/L	99
12) 1,1-Dichloroethene	2.29	96	94288	49.83	ug/L	98
13) Acetone	2.32	43	127485	73.49	ug/L	100
14) Carbon disulfide	2.48	76	292427	47.46	ug/L	100
15) Methyl Acetate	2.62	43	117849	49.15	ug/L	100
16) Methylene chloride	2.71	84	121490	51.54	ug/L	98
17) trans-1,2-Dichloroethene	2.99	96	104754	48.08	ug/L	99
18) Methyl tert-butyl Ether	3.00	73	351198	49.49	ug/L	100
19) 1,1-Dichloroethane	3.45	63	203486	49.10	ug/L	98
20) cis-1,2-Dichloroethene	4.23	96	122399	49.77	ug/L	100
22) 2-Butanone	4.26	43	168635	87.33	ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	65337	50.33	ug/L	97
25) Chloroform	4.68	83	217089	49.78	ug/L	99
27) 1,2-Dichloroethane	5.41	62	173921	48.89	ug/L	98
29) Cyclohexane	5.00	56	178472	49.45	ug/L	98
30) 1,1,1-Trichloroethane	4.92	97	194405	49.87	ug/L	99
31) Carbon tetrachloride	5.14	117	173985	48.27	ug/L	98
33) Benzene	5.39	78	442611	49.45	ug/L	100
34) Trichloroethene	6.19	95	119499	50.32	ug/L	99
35) Methylcyclohexane	6.42	83	184898	48.28	ug/L	99
37) 1,2-Dichloropropane	6.44	63	121811	49.80	ug/L	100
38) Bromodichloromethane	6.76	83	160225	49.68	ug/L	98
39) cis-1,3-Dichloropropene	7.27	75	182443	48.06	ug/L	98
40) 4-Methyl-2-pentanone	7.46	43	321687	100.15	ug/L	100
42) Toluene	7.64	91	486077	50.36	ug/L	100
44) trans-1,3-Dichloropropene	7.88	75	170707	47.70	ug/L	99
45) 1,1,2-Trichloroethane	8.07	97	115975	49.43	ug/L	98
46) Tetrachloroethene	8.23	164	100191	48.66	ug/L	99
48) 2-Hexanone	8.36	43	253065	93.24	ug/L	99
49) Dibromochloromethane	8.48	129	138900	50.47	ug/L	99
50) 1,2-Dibromoethane	8.59	107	124476	49.25	ug/L	98
51) Chlorobenzene	9.12	112	319370	49.14	ug/L	99
52) Ethylbenzene	9.25	91	537372	50.44	ug/L	100
53) m,p-Xylene	9.38	106	208037	50.98	ug/L	97
54) o-xylene	9.78	106	202854	48.99	ug/L	98
55) Styrene	9.80	104	344654	51.10	ug/L	99
56) Isopropylbenzene	10.17	105	538411	50.38	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.46	83	179919	47.54	ug/L	99
59) 1,2,3-Trichloropropane	10.50	75	142157	49.48	ug/L	99
61) Bromoform	9.96	173	102310	49.00	ug/L	97
62) 1,3-Dichlorobenzene	11.42	146	250488	49.06	ug/L	98
63) 1,4-Dichlorobenzene	11.51	146	255741	49.07	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	263858	49.33	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	40143	47.72	ug/L	96
67) 1,3,5-Trichlorobenzene	12.89	180	190191	48.26	ug/L	100
68) 1,2,4-trichlorobenzene	13.51	180	163804	49.46	ug/L	98
69) Naphthalene	13.74	128	506052	50.81	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	175477	50.12	ug/L	99

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

