

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071618\
 Data File : VU025419.D
 Acq On : 16 Jul 2018 12:03
 Operator : MD/SY
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV56

Quant Time: Jul 17 02:25:43 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071618WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jul 17 02:25:49 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	347521	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	323845	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	160283	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	88339	47.27	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	94.54%
7) Chloroethane-d5	1.67	69	74392	48.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.98%
11) 1,1-Dichloroethene-d2	2.28	63	184424	45.67	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.34%
21) 2-Butanone-d5	4.18	46	211217	111.87	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	111.87%
24) Chloroform-d	4.65	84	223948	50.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.02%
26) 1,2-Dichloroethane-d4	5.31	65	155551	51.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.84%
32) Benzene-d6	5.35	84	412676	50.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.44%
36) 1,2-Dichloropropane-d6	6.34	67	137284	52.16	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	104.32%
41) Toluene-d8	7.57	98	401147	50.18	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.36%
43) trans-1,3-Dichloropropene-	7.85	79	68591	51.37	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	102.74%
47) 2-Hexanone-d5	8.31	63	152558	108.67	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	108.67%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	216628	53.61	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	107.22%
64) 1,2-Dichlorobenzene-d4	11.86	152	174810	52.20	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.40%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.20	85	136073	44.70	ug/L	99
3) Chloromethane	1.33	50	150468	46.24	ug/L	97
5) Vinyl chloride	1.40	62	122152	46.03	ug/L	99
6) Bromomethane	1.62	94	36533	51.72	ug/L	95
8) Chloroethane	1.69	64	73844	47.36	ug/L	99
9) Trichlorofluoromethane	1.89	101	159593	43.72	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	99689	44.36	ug/L	99
12) 1,1-Dichloroethene	2.28	96	92065	45.14	ug/L	98
13) Acetone	2.32	43	157102	79.04	ug/L	98
14) Carbon disulfide	2.48	76	297442	46.38	ug/L	99
15) Methyl Acetate	2.62	43	156597	53.00	ug/L	99
16) Methylene chloride	2.70	84	130209	49.35	ug/L	99
17) trans-1,2-Dichloroethene	2.98	96	108013	47.53	ug/L	97
18) Methyl tert-butyl Ether	3.00	73	403300	50.46	ug/L	99
19) 1,1-Dichloroethane	3.45	63	210380	47.60	ug/L	100
20) cis-1,2-Dichloroethene	4.23	96	131244	49.22	ug/L	95
22) 2-Butanone	4.27	43	234135	97.81	ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	65192	52.12	ug/L	96
25) Chloroform	4.68	83	228746	48.93	ug/L	100
27) 1,2-Dichloroethane	5.41	62	192036	49.96	ug/L	100
29) Cyclohexane	5.00	56	176232	46.31	ug/L	100
30) 1,1,1-Trichloroethane	4.92	97	197140	47.06	ug/L	99
31) Carbon tetrachloride	5.14	117	170882	46.41	ug/L	100
33) Benzene	5.39	78	459590	48.96	ug/L	100
34) Trichloroethene	6.19	95	119416	47.34	ug/L	98
35) Methylcyclohexane	6.42	83	180885	44.83	ug/L	100
37) 1,2-Dichloropropane	6.44	63	128336	49.61	ug/L	100
38) Bromodichloromethane	6.76	83	164811	49.35	ug/L	100
39) cis-1,3-Dichloropropene	7.27	75	201169	50.81	ug/L	95
40) 4-Methyl-2-pentanone	7.46	43	432415	107.12	ug/L	100
42) Toluene	7.64	91	490081	48.28	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	184654	50.44	ug/L	99
45) 1,1,2-Trichloroethane	8.07	97	125830	50.59	ug/L	99
46) Tetrachloroethene	8.23	164	96873	46.34	ug/L	100
48) 2-Hexanone	8.36	43	352506	101.24	ug/L	99
49) Dibromochloromethane	8.48	129	136964	51.13	ug/L	96
50) 1,2-Dibromoethane	8.59	107	140087	51.88	ug/L	100
51) Chlorobenzene	9.12	112	334917	48.20	ug/L	99
52) Ethylbenzene	9.25	91	545146	47.19	ug/L	98
53) m,p-Xylene	9.38	106	212430	47.95	ug/L	100
54) o-xylene	9.78	106	218093	48.58	ug/L	99
55) Styrene	9.80	104	363656	49.50	ug/L	99
56) Isopropylbenzene	10.17	105	544317	46.90	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.46	83	225290	51.12	ug/L	99
59) 1,2,3-Trichloropropane	10.50	75	184670	50.77	ug/L	100
61) Bromoform	9.96	173	95482	51.53	ug/L	100
62) 1,3-Dichlorobenzene	11.42	146	259606	48.81	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	261220	48.95	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	279451	49.83	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	53081	54.44	ug/L	98
67) 1,3,5-Trichlorobenzene	12.89	180	192531	48.40	ug/L	99
68) 1,2,4-trichlorobenzene	13.51	180	174855	50.83	ug/L	99
69) Naphthalene	13.75	128	650249	54.25	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	189036	51.13	ug/L	100

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

