

Data Path : W:\HPCHEM1\MSVOA U\DATA\VU050118\
 Data File : VU023550.D
 Acq On : 01 May 2018 13:03
 Operator : MD/SY
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 02 03:12:59 2018
 Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\SOMULM050118WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed May 02 03:12:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	349803	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	331764	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	171526	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	118577	47.83	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	95.66%
7) Chloroethane-d5	1.68	69	90576	47.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.86%
11) 1,1-Dichloroethene-d2	2.28	63	225955	46.75	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.50%
21) 2-Butanone-d5	4.17	46	178060	103.95	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	103.95%
24) Chloroform-d	4.65	84	201503	49.15	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.30%
26) 1,2-Dichloroethane-d4	5.31	65	137514	48.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.44%
32) Benzene-d6	5.35	84	446212	50.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.26%
36) 1,2-Dichloropropane-d6	6.34	67	147478	49.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.92%
41) Toluene-d8	7.57	98	420193	51.20	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.40%
43) trans-1,3-Dichloropropene-	7.85	79	66681	51.95	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	103.90%
47) 2-Hexanone-d5	8.31	63	119640	105.67	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	105.67%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	189435	49.12	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.24%
64) 1,2-Dichlorobenzene-d4	11.86	152	165556	49.48	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.96%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.21	85	170894	45.25	ug/L	100
3) Chloromethane	1.33	50	185978	45.90	ug/L	99
5) Vinyl chloride	1.40	62	174600	45.50	ug/L	98
6) Bromomethane	1.63	94	97693	47.50	ug/L	100
8) Chloroethane	1.70	64	101852	43.92	ug/L	99
9) Trichlorofluoromethane	1.89	101	197808	45.81	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	121970	44.80	ug/L	99
12) 1,1-Dichloroethene	2.29	96	114069	44.68	ug/L	98
13) Acetone	2.32	43	197694	77.68	ug/L	99
14) Carbon disulfide	2.48	76	410628	46.66	ug/L	99
15) Methyl Acetate	2.62	43	157318	46.67	ug/L	99
16) Methylene chloride	2.71	84	143757	45.11	ug/L	99
17) trans-1,2-Dichloroethene	2.99	96	132210	47.33	ug/L	98
18) Methyl tert-butyl Ether	3.00	73	396979	48.07	ug/L	99
19) 1,1-Dichloroethane	3.45	63	255680	46.12	ug/L	99
20) cis-1,2-Dichloroethene	4.23	96	145144	46.82	ug/L	99
22) 2-Butanone	4.26	43	248442	87.78	ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	71879	46.19	ug/L	99
25) Chloroform	4.68	83	257106	45.22	ug/L	98
27) 1,2-Dichloroethane	5.41	62	193398	45.88	ug/L	99
29) Cyclohexane	5.00	56	244632	49.89	ug/L	100
30) 1,1,1-Trichloroethane	4.92	97	199915	47.57	ug/L	99
31) Carbon tetrachloride	5.14	117	172784	47.32	ug/L	99
33) Benzene	5.39	78	563115	48.17	ug/L	100
34) Trichloroethene	6.19	95	139850	46.69	ug/L	99
35) Methylcyclohexane	6.42	83	226707	48.39	ug/L	99
37) 1,2-Dichloropropane	6.44	63	158861	47.41	ug/L	99
38) Bromodichloromethane	6.76	83	177576	46.97	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	226464	49.05	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	402285	98.34	ug/L	100
42) Toluene	7.64	91	587187	48.46	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	206144	50.03	ug/L	100
45) 1,1,2-Trichloroethane	8.07	97	134396	47.21	ug/L	98
46) Tetrachloroethene	8.23	164	116138	47.57	ug/L	98
48) 2-Hexanone	8.36	43	333748	93.67	ug/L	99
49) Dibromochloromethane	8.48	129	141823	47.29	ug/L	98
50) 1,2-Dibromoethane	8.59	107	136195	47.37	ug/L	100
51) Chlorobenzene	9.12	112	378947	46.93	ug/L	99
52) Ethylbenzene	9.25	91	644249	49.05	ug/L	100
53) m,p-Xylene	9.38	106	246609	49.22	ug/L	99
54) o-xylene	9.78	106	236969	49.92	ug/L	98
55) Styrene	9.80	104	414297	49.89	ug/L	100
56) Isopropylbenzene	10.17	105	619418	49.72	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.46	83	218346	46.71	ug/L	99
59) 1,2,3-Trichloropropane	10.50	75	174101	47.06	ug/L	99
61) Bromoform	9.96	173	101924	47.27	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	296213	47.89	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	303401	46.98	ug/L	100
65) 1,2-Dichlorobenzene	11.88	146	298211	47.13	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	43580	47.43	ug/L	100
67) 1,3,5-Trichlorobenzene	12.89	180	248054	47.88	ug/L	100
68) 1,2,4-trichlorobenzene	13.51	180	225043	51.14	ug/L	98
69) Naphthalene	13.75	128	649993	56.29	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	229560	51.20	ug/L	99

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

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