

Data Path : W:\HPCHEM1\MSVOA U\DATA\VU050318\
 Data File : VU023604.D
 Acq On : 03 May 2018 16:07
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 04 02:55:35 2018
 Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\SOMULM050118WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 04 02:54:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	353931	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	340729	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	177146	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	113432	45.22	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.44%
7) Chloroethane-d5	1.68	69	85226	44.57	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.14%
11) 1,1-Dichloroethene-d2	2.27	63	210020	42.94	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.88%
21) 2-Butanone-d5	4.18	46	203733	117.55	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	117.55%
24) Chloroform-d	4.65	84	210442	50.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.46%
26) 1,2-Dichloroethane-d4	5.31	65	134817	46.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.46%
32) Benzene-d6	5.35	84	421902	46.15	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.30%
36) 1,2-Dichloropropane-d6	6.34	67	141252	46.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.26%
41) Toluene-d8	7.57	98	398710	47.31	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.62%
43) trans-1,3-Dichloropropene-	7.85	79	63317	48.03	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.06%
47) 2-Hexanone-d5	8.31	63	142364	122.43	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	122.43%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	197584	49.89	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.78%
64) 1,2-Dichlorobenzene-d4	11.87	152	155649	45.04	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.08%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.20	85	161125	42.16	ug/L	100
3) Chloromethane	1.33	50	178599	43.57	ug/L	100
5) Vinyl chloride	1.40	62	161858	41.69	ug/L	97
6) Bromomethane	1.62	94	86610	41.62	ug/L	99
8) Chloroethane	1.70	64	93562	39.87	ug/L	100
9) Trichlorofluoromethane	1.88	101	186595	42.71	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	109815	39.86	ug/L	98
12) 1,1-Dichloroethene	2.28	96	103799	40.18	ug/L	99
13) Acetone	2.32	43	196212	76.20	ug/L	100
14) Carbon disulfide	2.47	76	374352	42.04	ug/L	99
15) Methyl Acetate	2.62	43	180921	53.04	ug/L	100
16) Methylene chloride	2.70	84	141920	44.02	ug/L	99
17) trans-1,2-Dichloroethene	2.98	96	122573	43.37	ug/L	99
18) Methyl tert-butyl Ether	3.00	73	382788	45.81	ug/L	99
19) 1,1-Dichloroethane	3.45	63	250622	44.68	ug/L	99
20) cis-1,2-Dichloroethene	4.23	96	140460	44.78	ug/L	97
22) 2-Butanone	4.27	43	276553	96.57	ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	69012	43.83	ug/L	93
25) Chloroform	4.68	83	243212	42.28	ug/L	98
27) 1,2-Dichloroethane	5.41	62	194918	45.70	ug/L	99
29) Cyclohexane	5.00	56	225255	44.73	ug/L	100
30) 1,1,1-Trichloroethane	4.92	97	193998	44.95	ug/L	100
31) Carbon tetrachloride	5.14	117	169015	45.07	ug/L	99
33) Benzene	5.39	78	543956	45.30	ug/L	100
34) Trichloroethene	6.19	95	134898	43.85	ug/L	98
35) Methylcyclohexane	6.42	83	209274	43.49	ug/L	99
37) 1,2-Dichloropropane	6.44	63	156960	45.61	ug/L	99
38) Bromodichloromethane	6.76	83	179532	46.24	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	217829	45.94	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	471368	112.19	ug/L	99
42) Toluene	7.64	91	575535	46.25	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	199794	47.22	ug/L	100
45) 1,1,2-Trichloroethane	8.07	97	134738	46.08	ug/L	99
46) Tetrachloroethene	8.23	164	110018	43.88	ug/L	98
48) 2-Hexanone	8.36	43	379445	103.69	ug/L	100
49) Dibromochloromethane	8.48	129	142745	46.35	ug/L	99
50) 1,2-Dibromoethane	8.59	107	138595	46.93	ug/L	99
51) Chlorobenzene	9.12	112	367258	44.29	ug/L	99
52) Ethylbenzene	9.26	91	627493	46.52	ug/L	99
53) m,p-Xylene	9.38	106	234005	45.48	ug/L	99
54) o-xylene	9.78	106	231426	47.47	ug/L	97
55) Styrene	9.80	104	410121	48.09	ug/L	98
56) Isopropylbenzene	10.17	105	603356	47.16	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.46	83	238383	49.66	ug/L	99
59) 1,2,3-Trichloropropane	10.50	75	192007	50.54	ug/L	99
61) Bromoform	9.96	173	108365	48.66	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	285660	44.72	ug/L	100
63) 1,4-Dichlorobenzene	11.51	146	297471	44.60	ug/L	100
65) 1,2-Dichlorobenzene	11.88	146	296627	45.39	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.66	75	52672	55.51	ug/L	96
67) 1,3,5-Trichlorobenzene	12.89	180	234734	43.87	ug/L	99
68) 1,2,4-trichlorobenzene	13.51	180	205445	45.21	ug/L	99
69) Naphthalene	13.75	128	649354	54.45	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	217503	46.97	ug/L	100

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

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