

Data Path : W:\HPCHEM1\MSVOA U\DATA\VU050318\
 Data File : VU023595.D
 Acq On : 03 May 2018 10:34
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 02:53:07 2018
 Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\SOMULM050118WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu May 03 05:16:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	357524	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	348736	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	183580	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	92470	36.49	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	72.98%
7) Chloroethane-d5	1.68	69	75629	39.16	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	78.32%
11) 1,1-Dichloroethene-d2	2.27	63	204899	41.47	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.94%
21) 2-Butanone-d5	4.18	46	202695	115.78	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	115.78%
24) Chloroform-d	4.65	84	207285	49.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.92%
26) 1,2-Dichloroethane-d4	5.31	65	132585	45.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.98%
32) Benzene-d6	5.35	84	403761	43.15	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.30%
36) 1,2-Dichloropropane-d6	6.34	67	141539	45.16	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	90.32%
41) Toluene-d8	7.57	98	380182	44.07	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.14%
43) trans-1,3-Dichloropropene-	7.85	79	63670	47.19	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.38%
47) 2-Hexanone-d5	8.31	63	147451	123.89	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	123.89%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	201745	49.77	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.54%
64) 1,2-Dichlorobenzene-d4	11.86	152	160892	44.93	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.86%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.20	85	171065	44.31	ug/L	99
3) Chloromethane	1.33	50	187727	45.33	ug/L	99
5) Vinyl chloride	1.40	62	174322	44.45	ug/L	99
6) Bromomethane	1.63	94	95106	45.24	ug/L	99
8) Chloroethane	1.70	64	102321	43.17	ug/L	99
9) Trichlorofluoromethane	1.89	101	200683	45.47	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	130465	46.88	ug/L	99
12) 1,1-Dichloroethene	2.28	96	119013	45.61	ug/L	93
13) Acetone	2.32	43	246711	94.85	ug/L	99
14) Carbon disulfide	2.48	76	402436	44.74	ug/L	99
15) Methyl Acetate	2.62	43	177709	51.58	ug/L	100
16) Methylene chloride	2.70	84	147676	45.34	ug/L	100
17) trans-1,2-Dichloroethene	2.99	96	133355	46.71	ug/L	96
18) Methyl tert-butyl Ether	3.00	73	408591	48.41	ug/L	99
19) 1,1-Dichloroethane	3.45	63	262889	46.40	ug/L	100
20) cis-1,2-Dichloroethene	4.23	96	148982	47.02	ug/L	98
22) 2-Butanone	4.26	43	295469	102.14	ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	74701	46.97	ug/L	98
25) Chloroform	4.68	83	255238	43.93	ug/L	100
27) 1,2-Dichloroethane	5.41	62	202839	47.08	ug/L	100
29) Cyclohexane	5.00	56	243197	47.18	ug/L	99
30) 1,1,1-Trichloroethane	4.92	97	202786	45.91	ug/L	99
31) Carbon tetrachloride	5.14	117	180978	47.15	ug/L	98
33) Benzene	5.39	78	574210	46.73	ug/L	100
34) Trichloroethene	6.19	95	144746	45.97	ug/L	97
35) Methylcyclohexane	6.42	83	230983	46.90	ug/L	99
37) 1,2-Dichloropropane	6.44	63	163478	46.41	ug/L	100
38) Bromodichloromethane	6.76	83	188589	47.46	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	233077	48.02	ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	469971	109.29	ug/L	99
42) Toluene	7.64	91	605257	47.52	ug/L	100
44) trans-1,3-Dichloropropene	7.88	75	214798	49.60	ug/L	99
45) 1,1,2-Trichloroethane	8.07	97	139298	46.55	ug/L	99
46) Tetrachloroethene	8.23	164	118869	46.32	ug/L	98
48) 2-Hexanone	8.36	43	398665	106.44	ug/L	99
49) Dibromochloromethane	8.48	129	151895	48.19	ug/L	99
50) 1,2-Dibromoethane	8.59	107	143585	47.51	ug/L	99
51) Chlorobenzene	9.12	112	389300	45.87	ug/L	99
52) Ethylbenzene	9.25	91	667337	48.33	ug/L	100
53) m,p-Xylene	9.38	106	253386	48.12	ug/L	98
54) o-xylene	9.78	106	242038	48.51	ug/L	96
55) Styrene	9.80	104	434334	49.76	ug/L	99
56) Isopropylbenzene	10.17	105	644696	49.23	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	244256	49.71	ug/L	99
59) 1,2,3-Trichloropropane	10.50	75	195133	50.18	ug/L	100
61) Bromoform	9.96	173	113756	49.29	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	307874	46.51	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	322372	46.64	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	316644	46.76	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	52936	53.83	ug/L	97
67) 1,3,5-Trichlorobenzene	12.89	180	256758	46.30	ug/L	100
68) 1,2,4-trichlorobenzene	13.51	180	226327	48.06	ug/L	98
69) Naphthalene	13.75	128	678701	54.92	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	235164	49.01	ug/L	99

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

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