

Data Path : W:\HPCHEM1\MSVOA U\DATA\VU050818\
 Data File : VU023732.D
 Acq On : 08 May 2018 12:58
 Operator : MD/SY
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 09 01:54:01 2018
 Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\SOMULM050818WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed May 09 01:53:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	357819	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	341801	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	178780	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	134914	48.20	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	96.40%
7) Chloroethane-d5	1.68	69	102993	49.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	98.56%
11) 1,1-Dichloroethene-d2	2.27	63	254413	49.05	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.10%
21) 2-Butanone-d5	4.18	46	210685	102.29	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.29%
24) Chloroform-d	4.65	84	230955	49.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.24%
26) 1,2-Dichloroethane-d4	5.31	65	147356	48.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.88%
32) Benzene-d6	5.35	84	487918	49.83	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.66%
36) 1,2-Dichloropropane-d6	6.34	67	159324	49.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.50%
41) Toluene-d8	7.57	98	460404	50.67	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.34%
43) trans-1,3-Dichloropropene-	7.85	79	72162	52.08	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	104.16%
47) 2-Hexanone-d5	8.31	63	152815	106.80	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	106.80%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	213419	49.18	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.36%
64) 1,2-Dichlorobenzene-d4	11.86	152	183660	49.60	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.20%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.20	85	156807	46.96	ug/L	100
3) Chloromethane	1.33	50	142778	47.25	ug/L	99
5) Vinyl chloride	1.40	62	164212	47.77	ug/L	100
6) Bromomethane	1.63	94	71524	55.68	ug/L	97
8) Chloroethane	1.70	64	96270	46.61	ug/L	97
9) Trichlorofluoromethane	1.89	101	193926	47.37	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	126195	47.40	ug/L	99
12) 1,1-Dichloroethene	2.28	96	118540	47.96	ug/L	97
13) Acetone	2.32	43	207353	91.26	ug/L	99
14) Carbon disulfide	2.48	76	385513	48.34	ug/L	99
15) Methyl Acetate	2.62	43	171148	48.44	ug/L	99
16) Methylene chloride	2.70	84	144966	47.85	ug/L	98
17) trans-1,2-Dichloroethene	2.99	96	131901	48.56	ug/L	99
18) Methyl tert-butyl Ether	3.00	73	414749	48.95	ug/L	99
19) 1,1-Dichloroethane	3.45	63	255900	48.12	ug/L	100
20) cis-1,2-Dichloroethene	4.23	96	147646	47.97	ug/L	99
22) 2-Butanone	4.26	43	269241	98.09	ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	73843	48.33	ug/L	97
25) Chloroform	4.68	83	247162	46.80	ug/L	99
27) 1,2-Dichloroethane	5.41	62	194004	47.67	ug/L	99
29) Cyclohexane	5.00	56	234576	49.95	ug/L	99
30) 1,1,1-Trichloroethane	4.92	97	200183	48.15	ug/L	99
31) Carbon tetrachloride	5.14	117	174712	48.77	ug/L	100
33) Benzene	5.39	78	557718	48.42	ug/L	100
34) Trichloroethene	6.19	95	140355	47.74	ug/L	98
35) Methylcyclohexane	6.42	83	225315	49.74	ug/L	99
37) 1,2-Dichloropropane	6.44	63	158342	48.43	ug/L	99
38) Bromodichloromethane	6.76	83	182542	48.03	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	230366	50.25	ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	445044	100.07	ug/L	100
42) Toluene	7.64	91	590929	49.10	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	207634	50.54	ug/L	99
45) 1,1,2-Trichloroethane	8.07	97	138419	48.44	ug/L	99
46) Tetrachloroethene	8.23	164	116831	48.00	ug/L	97
48) 2-Hexanone	8.36	43	364739	99.71	ug/L	100
49) Dibromochloromethane	8.48	129	150229	49.54	ug/L	98
50) 1,2-Dibromoethane	8.59	107	146318	49.73	ug/L	97
51) Chlorobenzene	9.12	112	389812	48.31	ug/L	99
52) Ethylbenzene	9.26	91	654098	49.36	ug/L	100
53) m,p-Xylene	9.38	106	250148	49.68	ug/L	99
54) o-xylene	9.78	106	242942	49.45	ug/L	97
55) Styrene	9.80	104	424007	50.42	ug/L	100
56) Isopropylbenzene	10.17	105	638106	49.53	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.46	83	239198	48.30	ug/L	99
59) 1,2,3-Trichloropropane	10.50	75	190784	48.43	ug/L	99
61) Bromoform	9.96	173	110230	48.07	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	311342	48.67	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	320602	48.29	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	315307	48.31	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	51659	50.48	ug/L	99
67) 1,3,5-Trichlorobenzene	12.89	180	256611	48.72	ug/L	99
68) 1,2,4-trichlorobenzene	13.51	180	232078	51.98	ug/L	100
69) Naphthalene	13.75	128	704038	55.44	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	239370	51.80	ug/L	99

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

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