

Data Path : W:\HPCHEM1\MSVOA U\DATA\VU050718\
 Data File : VU023724.D
 Acq On : 07 May 2018 19:55
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Quant Time: May 08 04:51:17 2018
 Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\SOMULM050118WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue May 08 04:32:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	380747	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	364505	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	192711	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	100605	37.28	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	74.56%
7) Chloroethane-d5	1.68	69	85195	41.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	82.84%
11) 1,1-Dichloroethene-d2	2.27	63	222402	42.27	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.54%
21) 2-Butanone-d5	4.18	46	219279	117.61	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	117.61%
24) Chloroform-d	4.65	84	222838	49.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.86%
26) 1,2-Dichloroethane-d4	5.31	65	140076	45.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.26%
32) Benzene-d6	5.35	84	444715	45.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.94%
36) 1,2-Dichloropropane-d6	6.34	67	152469	46.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.08%
41) Toluene-d8	7.57	98	415285	46.06	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.12%
43) trans-1,3-Dichloropropene-	7.85	79	65683	46.58	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.16%
47) 2-Hexanone-d5	8.31	63	163204	131.20	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	131.20%#
57) 1,1,2,2-Tetrachloroethane-	10.44	84	217459	51.32	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.64%
64) 1,2-Dichlorobenzene-d4	11.86	152	176171	46.86	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.72%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.21	85	160057	38.93	ug/L	100
3) Chloromethane	1.33	50	141930	32.18	ug/L	99
5) Vinyl chloride	1.40	62	161945	38.78	ug/L	# 70
6) Bromomethane	1.62	94	32363	14.46	ug/L	99
8) Chloroethane	1.70	64	104023	41.21	ug/L	97
9) Trichlorofluoromethane	1.89	101	194250	41.33	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	127238	42.93	ug/L	98
12) 1,1-Dichloroethene	2.28	96	121232	43.63	ug/L	94
13) Acetone	2.32	43	177360	64.03	ug/L	99
14) Carbon disulfide	2.48	76	387012	40.40	ug/L	100
15) Methyl Acetate	2.62	43	182844	49.83	ug/L	100
16) Methylene chloride	2.70	84	147628	42.56	ug/L	97
17) trans-1,2-Dichloroethene	2.99	96	132675	43.64	ug/L	97
18) Methyl tert-butyl Ether	3.00	73	435215	48.42	ug/L	99
19) 1,1-Dichloroethane	3.45	63	264103	43.77	ug/L	99
20) cis-1,2-Dichloroethene	4.23	96	153523	45.49	ug/L	99
22) 2-Butanone	4.27	43	265601	86.22	ug/L	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	75802	44.75	ug/L	97
25) Chloroform	4.68	83	251832	40.70	ug/L	99
27) 1,2-Dichloroethane	5.41	62	197805	43.11	ug/L	99
29) Cyclohexane	5.00	56	242229	44.96	ug/L	98
30) 1,1,1-Trichloroethane	4.92	97	203817	44.15	ug/L	99
31) Carbon tetrachloride	5.14	117	173945	43.36	ug/L	100
33) Benzene	5.39	78	576079	44.85	ug/L	100
34) Trichloroethene	6.19	95	145539	44.22	ug/L	99
35) Methylcyclohexane	6.42	83	222002	43.13	ug/L	98
37) 1,2-Dichloropropane	6.44	63	162503	44.14	ug/L	99
38) Bromodichloromethane	6.76	83	186445	44.89	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	232786	45.89	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	481642	107.16	ug/L	99
42) Toluene	7.64	91	607810	45.65	ug/L	98
44) trans-1,3-Dichloropropene	7.88	75	206960	45.72	ug/L	100
45) 1,1,2-Trichloroethane	8.07	97	143784	45.97	ug/L	100
46) Tetrachloroethene	8.23	164	117719	43.89	ug/L	98
48) 2-Hexanone	8.36	43	381266	97.39	ug/L	99
49) Dibromochloromethane	8.48	129	151327	45.93	ug/L	97
50) 1,2-Dibromoethane	8.59	107	152554	48.29	ug/L	100
51) Chlorobenzene	9.12	112	395590	44.59	ug/L	99
52) Ethylbenzene	9.25	91	679578	47.09	ug/L	99
53) m,p-Xylene	9.38	106	259004	47.05	ug/L	96
54) o-xylene	9.78	106	253763	48.66	ug/L	99
55) Styrene	9.80	104	437455	47.95	ug/L	98
56) Isopropylbenzene	10.17	105	664535	48.55	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.46	83	250314	48.74	ug/L	99
59) 1,2,3-Trichloropropane	10.50	75	200499	49.33	ug/L	100
61) Bromoform	9.96	173	111248	45.92	ug/L	100
62) 1,3-Dichlorobenzene	11.42	146	320485	46.12	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	326067	44.94	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	326684	45.95	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.66	75	53293	51.63	ug/L	97
67) 1,3,5-Trichlorobenzene	12.89	180	261821	44.98	ug/L	100
68) 1,2,4-trichlorobenzene	13.51	180	238804	48.30	ug/L	99
69) Naphthalene	13.75	128	779247	60.07	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	246560	48.95	ug/L	100

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

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