

Data Path : W:\HPCHEM1\MSVOA U\DATA\VU050618\
 Data File : VU023703.D
 Acq On : 06 May 2018 21:12
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Quant Time: May 07 00:54:26 2018
 Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\SOMULM050118WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon May 07 00:51:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	389996	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	368206	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	191283	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	117504	42.51	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	85.02%
7) Chloroethane-d5	1.68	69	93627	44.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.88%
11) 1,1-Dichloroethene-d2	2.27	63	240294	44.59	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.18%
21) 2-Butanone-d5	4.18	46	208957	109.42	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	109.42%
24) Chloroform-d	4.65	84	225705	49.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.76%
26) 1,2-Dichloroethane-d4	5.31	65	143721	45.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.42%
32) Benzene-d6	5.35	84	464663	47.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.08%
36) 1,2-Dichloropropane-d6	6.34	67	155290	46.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.86%
41) Toluene-d8	7.57	98	435385	47.80	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.60%
43) trans-1,3-Dichloropropene-	7.85	79	67085	47.09	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.18%
47) 2-Hexanone-d5	8.31	63	151616	120.66	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	120.66%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	212888	49.74	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.48%
64) 1,2-Dichlorobenzene-d4	11.86	152	178797	47.91	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.82%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.20	85	173036	41.09	ug/L	99
3) Chloromethane	1.33	50	175650	38.89	ug/L	100
5) Vinyl chloride	1.40	62	179311	41.92	ug/L	98
6) Bromomethane	1.63	94	78670	34.31	ug/L	98
8) Chloroethane	1.70	64	106457	41.17	ug/L	99
9) Trichlorofluoromethane	1.89	101	203855	42.35	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	134312	44.25	ug/L	98
12) 1,1-Dichloroethene	2.28	96	128119	45.01	ug/L	97
13) Acetone	2.32	43	164557	57.99	ug/L	99
14) Carbon disulfide	2.48	76	396658	40.43	ug/L	99
15) Methyl Acetate	2.62	43	182818	48.64	ug/L	98
16) Methylene chloride	2.70	84	153355	43.17	ug/L	97
17) trans-1,2-Dichloroethene	2.99	96	139750	44.88	ug/L	96
18) Methyl tert-butyl Ether	3.00	73	448425	48.71	ug/L	99
19) 1,1-Dichloroethane	3.45	63	274410	44.40	ug/L	99
20) cis-1,2-Dichloroethene	4.23	96	157935	45.69	ug/L	99
22) 2-Butanone	4.27	43	254432	80.63	ug/L	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	79458	45.80	ug/L	97
25) Chloroform	4.68	83	265422	41.87	ug/L	98
27) 1,2-Dichloroethane	5.41	62	206776	44.00	ug/L	98
29) Cyclohexane	5.00	56	252635	46.42	ug/L	99
30) 1,1,1-Trichloroethane	4.92	97	212347	45.53	ug/L	99
31) Carbon tetrachloride	5.14	117	181312	44.74	ug/L	100
33) Benzene	5.39	78	600861	46.31	ug/L	100
34) Trichloroethene	6.19	95	152485	45.87	ug/L	99
35) Methylcyclohexane	6.42	83	234010	45.00	ug/L	98
37) 1,2-Dichloropropane	6.44	63	169658	45.62	ug/L	100
38) Bromodichloromethane	6.76	83	193431	46.10	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	238959	46.63	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	479751	105.67	ug/L	98
42) Toluene	7.64	91	638824	47.50	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	215006	47.02	ug/L	98
45) 1,1,2-Trichloroethane	8.07	97	147150	46.57	ug/L	100
46) Tetrachloroethene	8.23	164	122403	45.17	ug/L	99
48) 2-Hexanone	8.36	43	375584	94.98	ug/L	99
49) Dibromochloromethane	8.48	129	154808	46.52	ug/L	100
50) 1,2-Dibromoethane	8.59	107	154833	48.52	ug/L	99
51) Chlorobenzene	9.12	112	412358	46.02	ug/L	100
52) Ethylbenzene	9.25	91	701011	48.09	ug/L	100
53) m,p-Xylene	9.38	106	269376	48.45	ug/L	95
54) o-xylene	9.78	106	262824	49.89	ug/L	100
55) Styrene	9.80	104	455472	49.42	ug/L	99
56) Isopropylbenzene	10.17	105	686180	49.63	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	251609	48.50	ug/L	99
59) 1,2,3-Trichloropropane	10.50	75	205293	50.00	ug/L	98
61) Bromoform	9.96	173	115001	47.83	ug/L	100
62) 1,3-Dichlorobenzene	11.42	146	327721	47.51	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	338646	47.02	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	335175	47.50	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	52787	51.52	ug/L	98
67) 1,3,5-Trichlorobenzene	12.89	180	263020	45.52	ug/L	99
68) 1,2,4-trichlorobenzene	13.51	180	235405	47.97	ug/L	99
69) Naphthalene	13.75	128	711482	55.25	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	244099	48.82	ug/L	99

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

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