

Data Path : W:\HPCHEM1\MSVOA U\DATA\VU050118\
 Data File : VU023567.D
 Acq On : 01 May 2018 21:08
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Quant Time: May 02 03:17:42 2018
 Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\SOMULM050118WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed May 02 03:12:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	341948	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	325446	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	170541	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	106857	44.09	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	88.18%
7) Chloroethane-d5	1.68	69	83296	45.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.18%
11) 1,1-Dichloroethene-d2	2.27	63	219940	46.55	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.10%
21) 2-Butanone-d5	4.18	46	191121	114.14	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	114.14%
24) Chloroform-d	4.65	84	207688	51.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.64%
26) 1,2-Dichloroethane-d4	5.31	65	133826	48.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.02%
32) Benzene-d6	5.35	84	423688	48.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.04%
36) 1,2-Dichloropropane-d6	6.34	67	143517	49.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.14%
41) Toluene-d8	7.57	98	397858	49.42	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.84%
43) trans-1,3-Dichloropropene-	7.85	79	63721	50.61	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.22%
47) 2-Hexanone-d5	8.31	63	139919	125.98	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	125.98%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	194925	51.53	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	103.06%
64) 1,2-Dichlorobenzene-d4	11.86	152	160346	48.20	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.40%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.20	85	162673	44.06	ug/L	99
3) Chloromethane	1.33	50	179737	45.38	ug/L	100
5) Vinyl chloride	1.40	62	166631	44.42	ug/L	96
6) Bromomethane	1.63	94	89095	44.32	ug/L	99
8) Chloroethane	1.70	64	96200	42.44	ug/L	99
9) Trichlorofluoromethane	1.89	101	189027	44.78	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	122331	45.96	ug/L	99
12) 1,1-Dichloroethene	2.28	96	114803	46.00	ug/L	97
13) Acetone	2.32	43	163394	65.68	ug/L	99
14) Carbon disulfide	2.48	76	383228	44.55	ug/L	99
15) Methyl Acetate	2.62	43	170836	51.84	ug/L	99
16) Methylene chloride	2.70	84	141642	45.47	ug/L	99
17) trans-1,2-Dichloroethene	2.99	96	125689	46.03	ug/L	99
18) Methyl tert-butyl Ether	3.00	73	394056	48.82	ug/L	100
19) 1,1-Dichloroethane	3.45	63	250568	46.24	ug/L	100
20) cis-1,2-Dichloroethene	4.23	96	141517	46.69	ug/L	97
22) 2-Butanone	4.27	43	239933	86.72	ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	70191	46.14	ug/L	97
25) Chloroform	4.68	83	240984	43.36	ug/L	98
27) 1,2-Dichloroethane	5.41	62	193390	46.93	ug/L	99
29) Cyclohexane	5.00	56	234920	48.84	ug/L	98
30) 1,1,1-Trichloroethane	4.92	97	193877	47.03	ug/L	99
31) Carbon tetrachloride	5.14	117	167749	46.83	ug/L	100
33) Benzene	5.39	78	548831	47.86	ug/L	100
34) Trichloroethene	6.19	95	149258	50.80	ug/L	99
35) Methylcyclohexane	6.42	83	217919	47.41	ug/L	100
37) 1,2-Dichloropropane	6.44	63	155082	47.18	ug/L	99
38) Bromodichloromethane	6.76	83	177236	47.79	ug/L	100
39) cis-1,3-Dichloropropene	7.27	75	220791	48.75	ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	446820	111.34	ug/L	99
42) Toluene	7.64	91	571280	48.06	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	198829	49.20	ug/L	100
45) 1,1,2-Trichloroethane	8.07	97	132366	47.40	ug/L	99
46) Tetrachloroethene	8.23	164	109273	45.63	ug/L	98
48) 2-Hexanone	8.36	43	343251	98.21	ug/L	99
49) Dibromochloromethane	8.48	129	140677	47.82	ug/L	98
50) 1,2-Dibromoethane	8.59	107	137234	48.66	ug/L	100
51) Chlorobenzene	9.12	112	372543	47.04	ug/L	99
52) Ethylbenzene	9.25	91	630012	48.90	ug/L	100
53) m,p-Xylene	9.38	106	240639	48.96	ug/L	99
54) o-xylene	9.78	106	230622	49.53	ug/L	97
55) Styrene	9.80	104	405985	49.84	ug/L	100
56) Isopropylbenzene	10.17	105	608243	49.77	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.46	83	228368	49.81	ug/L	100
59) 1,2,3-Trichloropropane	10.50	75	182083	50.18	ug/L	98
61) Bromoform	9.96	173	102707	47.91	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	286616	46.61	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	297204	46.29	ug/L	98
65) 1,2-Dichlorobenzene	11.88	146	294524	46.81	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	49441	54.12	ug/L	96
67) 1,3,5-Trichlorobenzene	12.89	180	234834	45.59	ug/L	99
68) 1,2,4-trichlorobenzene	13.51	180	210546	48.12	ug/L	100
69) Naphthalene	13.75	128	651625	56.76	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	222211	49.85	ug/L	100

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

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