

Data Path : W:\HPCHEM1\MSVOA U\DATA\VU050818\
 Data File : VU023752.D
 Acq On : 08 May 2018 22:41
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 30 Sample Multiplier: 1

Quant Time: May 09 04:59:03 2018
 Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\SOMULM050818WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed May 09 03:02:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	383765	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	358698	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	188874	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	117295	39.08	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	78.16%
7) Chloroethane-d5	1.68	69	97102	43.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	86.64%
11) 1,1-Dichloroethene-d2	2.27	63	250582	45.05	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.10%
21) 2-Butanone-d5	4.18	46	224391	101.58	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	101.58%
24) Chloroform-d	4.65	84	232314	46.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.08%
26) 1,2-Dichloroethane-d4	5.31	65	144660	44.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.60%
32) Benzene-d6	5.35	84	478803	46.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.18%
36) 1,2-Dichloropropane-d6	6.34	67	160408	47.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.46%
41) Toluene-d8	7.57	98	450584	47.25	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.50%
43) trans-1,3-Dichloropropene-	7.85	79	68501	47.11	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.22%
47) 2-Hexanone-d5	8.31	63	161543	107.58	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	107.58%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	219015	48.10	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.20%
64) 1,2-Dichlorobenzene-d4	11.86	152	184160	47.08	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.16%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.20	85	149807	41.83	ug/L	100
3) Chloromethane	1.33	50	113524	35.03	ug/L	99
5) Vinyl chloride	1.40	62	151177	41.01	ug/L	# 55
6) Bromomethane	1.62	94	24278	17.62	ug/L	98
8) Chloroethane	1.70	64	98454	44.44	ug/L	92
9) Trichlorofluoromethane	1.89	101	189976	43.27	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	124344	43.55	ug/L	100
12) 1,1-Dichloroethene	2.28	96	121059	45.66	ug/L	86
13) Acetone	2.32	43	179083	73.49	ug/L	99
14) Carbon disulfide	2.48	76	377707	44.16	ug/L	99
15) Methyl Acetate	2.62	43	179921	47.48	ug/L	100
16) Methylene chloride	2.70	84	144204	44.38	ug/L	98
17) trans-1,2-Dichloroethene	2.98	96	131066	44.99	ug/L	99
18) Methyl tert-butyl Ether	3.00	73	432240	47.56	ug/L	100
19) 1,1-Dichloroethane	3.45	63	257891	45.22	ug/L	99
20) cis-1,2-Dichloroethene	4.23	96	151927	46.03	ug/L	98
22) 2-Butanone	4.26	43	264273	89.77	ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	4.55	128	74856	45.68	ug/L	97
25) Chloroform	4.68	83	251670	44.44	ug/L	100
27) 1,2-Dichloroethane	5.41	62	194395	44.54	ug/L	100
29) Cyclohexane	5.00	56	234261	47.53	ug/L	99
30) 1,1,1-Trichloroethane	4.92	97	204110	46.79	ug/L	99
31) Carbon tetrachloride	5.14	117	174700	46.47	ug/L	98
33) Benzene	5.39	78	564546	46.71	ug/L	100
34) Trichloroethene	6.19	95	144484	46.83	ug/L	99
35) Methylcyclohexane	6.42	83	216224	45.48	ug/L	100
37) 1,2-Dichloropropane	6.44	63	160039	46.64	ug/L	99
38) Bromodichloromethane	6.76	83	188981	47.38	ug/L	100
39) cis-1,3-Dichloropropene	7.27	75	228717	47.54	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	475958	101.98	ug/L	100
42) Toluene	7.64	91	594010	47.03	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	203089	47.11	ug/L	100
45) 1,1,2-Trichloroethane	8.07	97	142211	47.42	ug/L	98
46) Tetrachloroethene	8.23	164	116538	45.63	ug/L	97
48) 2-Hexanone	8.36	43	368556	96.01	ug/L	99
49) Dibromochloromethane	8.48	129	151378	47.56	ug/L	99
50) 1,2-Dibromoethane	8.59	107	148613	48.13	ug/L	98
51) Chlorobenzene	9.12	112	393071	46.42	ug/L	99
52) Ethylbenzene	9.26	91	668050	48.04	ug/L	99
53) m,p-Xylene	9.38	106	254696	48.20	ug/L	100
54) o-xylene	9.78	106	248817	48.26	ug/L	99
55) Styrene	9.80	104	432171	48.97	ug/L	99
56) Isopropylbenzene	10.17	105	655927	48.52	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.46	83	245426	47.22	ug/L	98
59) 1,2,3-Trichloropropane	10.50	75	195392	47.26	ug/L	99
61) Bromoform	9.96	173	110570	45.64	ug/L	100
62) 1,3-Dichlorobenzene	11.42	146	317806	47.02	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	324586	46.28	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	319945	46.40	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	52374	48.44	ug/L	97
67) 1,3,5-Trichlorobenzene	12.89	180	258867	46.52	ug/L	100
68) 1,2,4-trichlorobenzene	13.51	180	240080	50.90	ug/L	99
69) Naphthalene	13.75	128	824618	61.47	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	248650	50.93	ug/L	99

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

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