

Data Path : W:\HPCHEM1\MSVOA U\DATA\VU052718\
 Data File : VU024213.D
 Acq On : 28 May 2018 01:57
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 34 Sample Multiplier: 1

Quant Time: May 28 05:17:17 2018
 Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\SOMULM052518WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon May 28 05:15:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	332672	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	316136	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	145679	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	131381	51.95	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	103.90%
7) Chloroethane-d5	1.67	69	104584	52.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	104.16%
11) 1,1-Dichloroethene-d2	2.27	63	238066	50.60	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.20%
21) 2-Butanone-d5	4.18	46	189734	94.37	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	94.37%
24) Chloroform-d	4.65	84	229070	50.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.08%
26) 1,2-Dichloroethane-d4	5.31	65	146595	51.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.12%
32) Benzene-d6	5.35	84	464183	53.05	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.10%
36) 1,2-Dichloropropane-d6	6.34	67	151636	50.57	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.14%
41) Toluene-d8	7.57	98	428247	52.81	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.62%
43) trans-1,3-Dichloropropene-	7.85	79	59530	49.93	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.86%
47) 2-Hexanone-d5	8.31	63	134355	93.91	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	93.91%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	214458	49.03	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.06%
64) 1,2-Dichlorobenzene-d4	11.86	152	163169	51.09	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.18%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.20	85	158180	47.74	ug/L	99
3) Chloromethane	1.33	50	171926	46.68	ug/L	99
5) Vinyl chloride	1.40	62	168208	48.15	ug/L	99
6) Bromomethane	1.61	94	84025	46.61	ug/L	98
8) Chloroethane	1.69	64	101759	49.19	ug/L	100
9) Trichlorofluoromethane	1.88	101	198552	49.21	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	117310	47.94	ug/L	99
12) 1,1-Dichloroethene	2.28	96	111015	48.59	ug/L	93
13) Acetone	2.32	43	137879	78.68	ug/L	99
14) Carbon disulfide	2.48	76	347802	46.94	ug/L	100
15) Methyl Acetate	2.62	43	154151	48.26	ug/L	100
16) Methylene chloride	2.70	84	137014	48.20	ug/L	100
17) trans-1,2-Dichloroethene	2.99	96	114966	47.98	ug/L	99
18) Methyl tert-butyl Ether	3.00	73	368708	51.02	ug/L	100
19) 1,1-Dichloroethane	3.45	63	238880	49.48	ug/L	100
20) cis-1,2-Dichloroethene	4.23	96	132840	49.58	ug/L	100
22) 2-Butanone	4.26	43	212378	92.42	ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	69597	50.00	ug/L	97
25) Chloroform	4.68	83	231079	48.80	ug/L	97
27) 1,2-Dichloroethane	5.41	62	183254	48.74	ug/L	100
29) Cyclohexane	5.00	56	210235	50.65	ug/L	100
30) 1,1,1-Trichloroethane	4.92	97	187065	49.81	ug/L	99
31) Carbon tetrachloride	5.14	117	162077	49.28	ug/L	100
33) Benzene	5.39	78	529656	50.33	ug/L	100
34) Trichloroethene	6.19	95	126267	42.71	ug/L	99
35) Methylcyclohexane	6.42	83	198071	48.42	ug/L	98
37) 1,2-Dichloropropane	6.44	63	146442	49.62	ug/L	100
38) Bromodichloromethane	6.76	83	166871	48.11	ug/L	98
39) cis-1,3-Dichloropropene	7.27	75	185580	47.63	ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	390969	97.70	ug/L	100
42) Toluene	7.64	91	549088	51.39	ug/L	100
44) trans-1,3-Dichloropropene	7.88	75	165734	47.76	ug/L	99
45) 1,1,2-Trichloroethane	8.07	97	129280	49.27	ug/L	98
46) Tetrachloroethene	8.23	164	98953	47.85	ug/L	100
48) 2-Hexanone	8.36	43	303100	96.01	ug/L	99
49) Dibromochloromethane	8.48	129	136252	49.36	ug/L	99
50) 1,2-Dibromoethane	8.59	107	131602	49.84	ug/L	100
51) Chlorobenzene	9.12	112	342277	49.36	ug/L	99
52) Ethylbenzene	9.25	91	572432	50.69	ug/L	99
53) m,p-Xylene	9.38	106	225014	52.59	ug/L	99
54) o-xylene	9.78	106	219322	51.18	ug/L	100
55) Styrene	9.80	104	372506	52.60	ug/L	97
56) Isopropylbenzene	10.17	105	555958	51.26	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.46	83	224556	48.65	ug/L	100
59) 1,2,3-Trichloropropane	10.50	75	182888	49.51	ug/L	100
61) Bromoform	9.96	173	97299	47.25	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	240379	49.28	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	248406	49.77	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	274235	50.89	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.66	75	44112	46.03	ug/L	99
67) 1,3,5-Trichlorobenzene	12.89	180	178028	49.45	ug/L	99
68) 1,2,4-trichlorobenzene	13.51	180	127198	48.94	ug/L	100
69) Naphthalene	13.75	128	376094	49.13	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	146531	50.10	ug/L	99

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

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