

Data Path : W:\HPCHEM1\MSVOA U\DATA\VU052618\
 Data File : VU024166.D
 Acq On : 26 May 2018 23:53
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Quant Time: May 28 01:02:33 2018
 Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\SOMULM052518WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon May 28 00:49:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	314103	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	294900	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	134607	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	98024	41.05	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	82.10%
7) Chloroethane-d5	1.68	69	83520	44.05	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.10%
11) 1,1-Dichloroethene-d2	2.27	63	199485	44.91	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.82%
21) 2-Butanone-d5	4.18	46	182136	95.94	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	95.94%
24) Chloroform-d	4.65	84	199853	46.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.40%
26) 1,2-Dichloroethane-d4	5.31	65	124457	45.91	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.82%
32) Benzene-d6	5.35	84	389673	47.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.48%
36) 1,2-Dichloropropane-d6	6.34	67	131868	47.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.28%
41) Toluene-d8	7.57	98	363665	48.08	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.16%
43) trans-1,3-Dichloropropene-	7.85	79	50789	45.66	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.32%
47) 2-Hexanone-d5	8.31	63	128120	96.00	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	96.00%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	191688	46.98	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.96%
64) 1,2-Dichlorobenzene-d4	11.86	152	144848	49.08	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.16%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.20	85	151975	48.58	ug/L	100
3) Chloromethane	1.33	50	164628	47.34	ug/L	99
5) Vinyl chloride	1.40	62	161729	49.03	ug/L	100
6) Bromomethane	1.62	94	81642	47.96	ug/L	97
8) Chloroethane	1.70	64	97384	49.86	ug/L	98
9) Trichlorofluoromethane	1.89	101	191375	50.23	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	114816	49.69	ug/L	99
12) 1,1-Dichloroethene	2.28	96	108176	50.15	ug/L	93
13) Acetone	2.32	43	133914	80.94	ug/L	99
14) Carbon disulfide	2.48	76	339459	48.52	ug/L	100
15) Methyl Acetate	2.62	43	148212	49.15	ug/L	99
16) Methylene chloride	2.70	84	130871	48.76	ug/L	99
17) trans-1,2-Dichloroethene	2.99	96	111751	49.39	ug/L	99
18) Methyl tert-butyl Ether	3.00	73	348539	51.08	ug/L	100
19) 1,1-Dichloroethane	3.45	63	226019	49.59	ug/L	100
20) cis-1,2-Dichloroethene	4.23	96	126108	49.85	ug/L	96
22) 2-Butanone	4.27	43	205148	94.56	ug/L	99

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

23) Bromochloromethane	4.55	128	66740	50.79	ug/L	97
25) Chloroform	4.68	83	220605	49.34	ug/L	97
27) 1,2-Dichloroethane	5.41	62	175019	49.30	ug/L	100
29) Cyclohexane	5.00	56	199915	51.64	ug/L	100
30) 1,1,1-Trichloroethane	4.92	97	179229	51.16	ug/L	98
31) Carbon tetrachloride	5.14	117	156827	51.12	ug/L	99
33) Benzene	5.39	78	499782	50.91	ug/L	100
34) Trichloroethene	6.19	95	117840	42.73	ug/L	98
35) Methylcyclohexane	6.42	83	189241	49.59	ug/L	99
37) 1,2-Dichloropropane	6.44	63	136327	49.52	ug/L	100
38) Bromodichloromethane	6.76	83	159220	49.21	ug/L	98
39) cis-1,3-Dichloropropene	7.27	75	175310	48.23	ug/L	98
40) 4-Methyl-2-pentanone	7.46	43	363618	97.41	ug/L	99
42) Toluene	7.64	91	519422	52.11	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	154283	47.66	ug/L	98
45) 1,1,2-Trichloroethane	8.07	97	124504	50.86	ug/L	99
46) Tetrachloroethene	8.23	164	96065	49.80	ug/L	98
48) 2-Hexanone	8.36	43	286863	97.41	ug/L	99
49) Dibromochloromethane	8.48	129	130470	50.67	ug/L	100
50) 1,2-Dibromoethane	8.59	107	125747	51.06	ug/L	98
51) Chlorobenzene	9.12	112	328512	50.78	ug/L	98
52) Ethylbenzene	9.25	91	545619	51.79	ug/L	99
53) m,p-Xylene	9.38	106	212490	53.24	ug/L	100
54) o-xylene	9.78	106	208367	52.13	ug/L	99
55) Styrene	9.80	104	355416	53.80	ug/L	98
56) Isopropylbenzene	10.17	105	531208	52.50	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.46	83	207835	48.27	ug/L	98
59) 1,2,3-Trichloropropane	10.50	75	169614	49.22	ug/L	99
61) Bromoform	9.96	173	93627	49.21	ug/L	100
62) 1,3-Dichlorobenzene	11.42	146	227706	50.52	ug/L	100
63) 1,4-Dichlorobenzene	11.51	146	231972	50.30	ug/L	98
65) 1,2-Dichlorobenzene	11.88	146	255464	51.30	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.66	75	42461	47.95	ug/L	98
67) 1,3,5-Trichlorobenzene	12.89	180	167682	50.40	ug/L	99
68) 1,2,4-trichlorobenzene	13.51	180	125266	52.16	ug/L	99
69) Naphthalene	13.75	128	375697	53.11	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	145698	53.91	ug/L	99

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

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