

Data Path : W:\HPCHEM1\MSVOA U\DATA\VU052118\
 Data File : VU023981.D
 Acq On : 21 May 2018 20:44
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Quant Time: May 22 01:10:18 2018
 Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\SOMULM051218WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue May 22 01:05:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	308040	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	301465	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	153236	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	109270	38.17	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	76.34%
7) Chloroethane-d5	1.68	69	87144	38.64	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	77.28%
11) 1,1-Dichloroethene-d2	2.27	63	211264	40.23	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	80.46%
21) 2-Butanone-d5	4.18	46	220125	110.51	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	110.51%
24) Chloroform-d	4.65	84	209930	48.05	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.10%
26) 1,2-Dichloroethane-d4	5.31	65	137717	47.91	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.82%
32) Benzene-d6	5.35	84	404339	45.95	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.90%
36) 1,2-Dichloropropane-d6	6.34	67	141549	47.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.24%
41) Toluene-d8	7.57	98	386699	47.69	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.38%
43) trans-1,3-Dichloropropene-	7.85	79	61055	48.83	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.66%
47) 2-Hexanone-d5	8.31	63	152109	111.02	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	111.02%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	212830	50.84	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.68%
64) 1,2-Dichlorobenzene-d4	11.87	152	158332	47.84	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.68%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.20	85	128628	40.84	ug/L	99
3) Chloromethane	1.33	50	133704	45.64	ug/L	100
5) Vinyl chloride	1.40	62	146040	43.02	ug/L	99
6) Bromomethane	1.62	94	53899	39.83	ug/L	99
8) Chloroethane	1.70	64	90417	42.48	ug/L	98
9) Trichlorofluoromethane	1.88	101	175405	41.38	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	101607	39.27	ug/L	97
12) 1,1-Dichloroethene	2.28	96	94384	41.02	ug/L	90
13) Acetone	2.32	43	170055	84.75	ug/L	97
14) Carbon disulfide	2.47	76	272300	44.40	ug/L	99
15) Methyl Acetate	2.62	43	174997	52.00	ug/L	98
16) Methylene chloride	2.70	84	128881	47.10	ug/L	95
17) trans-1,2-Dichloroethene	2.98	96	105175	46.35	ug/L	98
18) Methyl tert-butyl Ether	3.00	73	360224	49.45	ug/L	98
19) 1,1-Dichloroethane	3.45	63	231035	47.90	ug/L	99
20) cis-1,2-Dichloroethene	4.23	96	127440	48.09	ug/L	98
22) 2-Butanone	4.27	43	258528	105.87	ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	62415	45.47	ug/L	93
25) Chloroform	4.68	83	233149	47.83	ug/L	98
27) 1,2-Dichloroethane	5.41	62	183089	49.40	ug/L	99
29) Cyclohexane	5.00	56	181647	50.17	ug/L	98
30) 1,1,1-Trichloroethane	4.92	97	181234	48.14	ug/L	99
31) Carbon tetrachloride	5.14	117	150151	46.27	ug/L	100
33) Benzene	5.39	78	489870	49.39	ug/L	100
34) Trichloroethene	6.19	95	116804	46.17	ug/L	98
35) Methylcyclohexane	6.42	83	170653	47.53	ug/L	99
37) 1,2-Dichloropropane	6.44	63	145285	49.50	ug/L	99
38) Bromodichloromethane	6.76	83	170618	49.06	ug/L	98
39) cis-1,3-Dichloropropene	7.27	75	194507	50.21	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	464585	112.36	ug/L	97
42) Toluene	7.64	91	520801	50.39	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	178941	50.16	ug/L	99
45) 1,1,2-Trichloroethane	8.07	97	129327	49.05	ug/L	99
46) Tetrachloroethene	8.23	164	91710	44.34	ug/L	98
48) 2-Hexanone	8.36	43	375622	111.86	ug/L	99
49) Dibromochloromethane	8.48	129	135825	48.46	ug/L	100
50) 1,2-Dibromoethane	8.59	107	130522	48.54	ug/L	100
51) Chlorobenzene	9.12	112	334341	47.68	ug/L	98
52) Ethylbenzene	9.26	91	559603	50.22	ug/L	99
53) m,p-Xylene	9.38	106	210473	49.84	ug/L	96
54) o-xylene	9.79	106	206284	50.28	ug/L	98
55) Styrene	9.80	104	371103	51.73	ug/L	96
56) Isopropylbenzene	10.17	105	539194	49.97	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.46	83	235369	49.61	ug/L	100
59) 1,2,3-Trichloropropane	10.50	75	193444	50.79	ug/L	98
61) Bromoform	9.96	173	101602	46.92	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	253445	47.49	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	267685	47.33	ug/L	100
65) 1,2-Dichlorobenzene	11.89	146	271462	47.16	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.66	75	52221	51.44	ug/L	92
67) 1,3,5-Trichlorobenzene	12.89	180	206623	46.82	ug/L	98
68) 1,2,4-trichlorobenzene	13.51	180	175877	48.66	ug/L	99
69) Naphthalene	13.75	128	574663	55.85	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	194234	50.22	ug/L	99

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

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