

Data Path : W:\HPCHEM1\MSVOA U\DATA\VU052618\
 Data File : VU024143.D
 Acq On : 26 May 2018 13:51
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 28 00:57:32 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	311230	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	298273	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	140069	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	95933	40.55	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	81.10%
7) Chloroethane-d5	1.68	69	79948	42.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	85.10%
11) 1,1-Dichloroethene-d2	2.27	63	197453	44.86	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.72%
21) 2-Butanone-d5	4.18	46	166717	88.63	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	88.63%
24) Chloroform-d	4.65	84	197017	46.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.94%
26) 1,2-Dichloroethane-d4	5.31	65	121658	45.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.58%
32) Benzene-d6	5.35	84	386437	46.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.62%
36) 1,2-Dichloropropane-d6	6.34	67	129958	45.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.86%
41) Toluene-d8	7.57	98	361854	47.30	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.60%
43) trans-1,3-Dichloropropene-	7.85	79	53030	47.14	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.28%
47) 2-Hexanone-d5	8.31	63	125368	92.88	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	92.88%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	185185	44.87	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	89.74%
64) 1,2-Dichlorobenzene-d4	11.86	152	144803	47.15	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.30%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.20	85	154967	49.99	ug/L	100
3) Chloromethane	1.33	50	164808	47.83	ug/L	99
5) Vinyl chloride	1.40	62	161557	49.43	ug/L	99
6) Bromomethane	1.62	94	81551	48.35	ug/L	98
8) Chloroethane	1.70	64	98254	50.77	ug/L	100
9) Trichlorofluoromethane	1.89	101	194258	51.46	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	119194	52.06	ug/L	99
12) 1,1-Dichloroethene	2.28	96	107751	50.41	ug/L	87
13) Acetone	2.32	43	175653	107.15	ug/L	98
14) Carbon disulfide	2.48	76	343884	49.61	ug/L	99
15) Methyl Acetate	2.62	43	140442	47.00	ug/L	100
16) Methylene chloride	2.70	84	129665	48.75	ug/L	98
17) trans-1,2-Dichloroethene	2.99	96	111279	49.64	ug/L	99
18) Methyl tert-butyl Ether	3.00	73	345517	51.10	ug/L	99
19) 1,1-Dichloroethane	3.45	63	222671	49.30	ug/L	99
20) cis-1,2-Dichloroethene	4.23	96	125641	50.13	ug/L	94
22) 2-Butanone	4.27	43	215566	100.28	ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	66629	51.17	ug/L	96
25) Chloroform	4.68	83	219524	49.55	ug/L	99
27) 1,2-Dichloroethane	5.41	62	173597	49.35	ug/L	99
29) Cyclohexane	5.00	56	201836	51.54	ug/L	99
30) 1,1,1-Trichloroethane	4.92	97	178176	50.28	ug/L	98
31) Carbon tetrachloride	5.14	117	157406	50.73	ug/L	100
33) Benzene	5.39	78	499080	50.27	ug/L	100
34) Trichloroethene	6.19	95	119958	43.01	ug/L	98
35) Methylcyclohexane	6.42	83	203308	52.67	ug/L	100
37) 1,2-Dichloropropane	6.44	63	137655	49.43	ug/L	100
38) Bromodichloromethane	6.76	83	158696	48.49	ug/L	100
39) cis-1,3-Dichloropropene	7.27	75	186278	50.67	ug/L	98
40) 4-Methyl-2-pentanone	7.46	43	359767	95.29	ug/L	99
42) Toluene	7.64	91	523142	51.89	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	165304	50.49	ug/L	97
45) 1,1,2-Trichloroethane	8.07	97	122235	49.37	ug/L	99
46) Tetrachloroethene	8.23	164	101444	51.99	ug/L	99
48) 2-Hexanone	8.36	43	292432	98.18	ug/L	99
49) Dibromochloromethane	8.48	129	130749	50.21	ug/L	99
50) 1,2-Dibromoethane	8.59	107	124690	50.05	ug/L	100
51) Chlorobenzene	9.12	112	329789	50.40	ug/L	99
52) Ethylbenzene	9.25	91	550393	51.65	ug/L	100
53) m,p-Xylene	9.38	106	217835	53.96	ug/L	100
54) o-xylene	9.78	106	210059	51.96	ug/L	99
55) Styrene	9.80	104	361213	54.06	ug/L	98
56) Isopropylbenzene	10.17	105	541334	52.90	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	208285	47.83	ug/L	99
59) 1,2,3-Trichloropropane	10.50	75	166955	47.90	ug/L	99
61) Bromoform	9.96	173	94736	47.85	ug/L	100
62) 1,3-Dichlorobenzene	11.42	146	235616	50.24	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	241183	50.26	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	262269	50.62	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	42089	45.68	ug/L	97
67) 1,3,5-Trichlorobenzene	12.89	180	183679	53.06	ug/L	99
68) 1,2,4-trichlorobenzene	13.51	180	139104	55.66	ug/L	99
69) Naphthalene	13.75	128	399277	54.25	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	158345	56.31	ug/L	100

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

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