

Data Path : W:\HPCHEM1\MSVOA U\DATA\VU053018\
 Data File : VU024241.D
 Acq On : 30 May 2018 15:41
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 31 03:54:19 2018
 Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\SOMULM052518WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu May 31 03:53:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	311175	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	298780	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	142551	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	90199	38.13	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	76.26%
7) Chloroethane-d5	1.68	69	80181	42.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	85.36%
11) 1,1-Dichloroethene-d2	2.27	63	189753	43.12	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.24%
21) 2-Butanone-d5	4.18	46	182918	97.26	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	97.26%
24) Chloroform-d	4.65	84	201949	47.64	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.28%
26) 1,2-Dichloroethane-d4	5.31	65	128792	47.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.92%
32) Benzene-d6	5.35	84	385512	46.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.24%
36) 1,2-Dichloropropane-d6	6.33	67	133924	47.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.52%
41) Toluene-d8	7.57	98	342988	44.76	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.52%
43) trans-1,3-Dichloropropene-	7.85	79	53936	47.86	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.72%
47) 2-Hexanone-d5	8.31	63	129521	95.79	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.79%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	199028	48.14	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.28%
64) 1,2-Dichlorobenzene-d4	11.86	152	144290	46.17	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.34%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.21	85	157747	50.90	ug/L	100
3) Chloromethane	1.33	50	167283	48.55	ug/L	100
5) Vinyl chloride	1.40	62	164252	50.26	ug/L	98
6) Bromomethane	1.62	94	87057	51.63	ug/L	99
8) Chloroethane	1.70	64	100415	51.90	ug/L	99
9) Trichlorofluoromethane	1.89	101	196929	52.18	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	119738	52.31	ug/L	98
12) 1,1-Dichloroethene	2.28	96	106587	49.87	ug/L	93
13) Acetone	2.32	43	199789	121.89	ug/L	100
14) Carbon disulfide	2.48	76	341641	49.29	ug/L	100
15) Methyl Acetate	2.62	43	147717	49.44	ug/L	100
16) Methylene chloride	2.70	84	135506	50.96	ug/L	99
17) trans-1,2-Dichloroethene	2.99	96	114787	51.21	ug/L	99
18) Methyl tert-butyl Ether	3.00	73	362213	53.58	ug/L	100
19) 1,1-Dichloroethane	3.45	63	235001	52.04	ug/L	100
20) cis-1,2-Dichloroethene	4.23	96	130791	52.19	ug/L	100
22) 2-Butanone	4.26	43	229119	106.60	ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	68411	52.55	ug/L	99
25) Chloroform	4.68	83	231553	52.28	ug/L	97
27) 1,2-Dichloroethane	5.41	62	180415	51.30	ug/L	100
29) Cyclohexane	5.00	56	208994	53.28	ug/L	100
30) 1,1,1-Trichloroethane	4.92	97	188005	52.97	ug/L	98
31) Carbon tetrachloride	5.14	117	163285	52.54	ug/L	98
33) Benzene	5.39	78	513987	51.68	ug/L	100
34) Trichloroethene	6.19	95	127058	45.48	ug/L	99
35) Methylcyclohexane	6.42	83	208237	53.86	ug/L	99
37) 1,2-Dichloropropane	6.44	63	145271	52.08	ug/L	100
38) Bromodichloromethane	6.76	83	168727	51.47	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	196774	53.43	ug/L	98
40) 4-Methyl-2-pentanone	7.46	43	372542	98.51	ug/L	99
42) Toluene	7.64	91	541074	53.58	ug/L	100
44) trans-1,3-Dichloropropene	7.88	75	173949	53.04	ug/L	99
45) 1,1,2-Trichloroethane	8.07	97	128579	51.85	ug/L	98
46) Tetrachloroethene	8.23	164	105455	53.95	ug/L	100
48) 2-Hexanone	8.36	43	305728	102.47	ug/L	100
49) Dibromochloromethane	8.48	129	137028	52.53	ug/L	99
50) 1,2-Dibromoethane	8.59	107	129578	51.93	ug/L	99
51) Chlorobenzene	9.12	112	340246	51.91	ug/L	99
52) Ethylbenzene	9.25	91	571056	53.50	ug/L	100
53) m,p-Xylene	9.38	106	225195	55.69	ug/L	100
54) o-xylene	9.78	106	220635	54.48	ug/L	99
55) Styrene	9.80	104	373573	55.81	ug/L	100
56) Isopropylbenzene	10.17	105	563589	54.98	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.46	83	215795	49.47	ug/L	100
59) 1,2,3-Trichloropropane	10.50	75	173903	49.81	ug/L	100
61) Bromoform	9.96	173	98003	48.64	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	245609	51.46	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	254278	52.06	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	271027	51.40	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	42015	44.81	ug/L	96
67) 1,3,5-Trichlorobenzene	12.89	180	192679	54.69	ug/L	99
68) 1,2,4-trichlorobenzene	13.51	180	137947	54.24	ug/L	100
69) Naphthalene	13.75	128	376331	50.24	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	155655	54.39	ug/L	100

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

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