

Data Path : W:\HPCHEM1\MSVOA U\DATA\VU052318\
 Data File : VU024050.D
 Acq On : 23 May 2018 21:03
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Quant Time: May 24 04:18:14 2018
 Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\SOMULM051218WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu May 24 04:14:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	287017	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	287588	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	143045	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	114516	42.94	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	85.88%
7) Chloroethane-d5	1.68	69	90257	42.95	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	85.90%
11) 1,1-Dichloroethene-d2	2.27	63	213597	43.65	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.30%
21) 2-Butanone-d5	4.18	46	219725	118.39	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	118.39%
24) Chloroform-d	4.65	84	210118	51.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.24%
26) 1,2-Dichloroethane-d4	5.31	65	138407	51.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.36%
32) Benzene-d6	5.35	84	415216	49.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.92%
36) 1,2-Dichloropropane-d6	6.34	67	143531	50.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.24%
41) Toluene-d8	7.57	98	392759	50.78	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.56%
43) trans-1,3-Dichloropropene-	7.85	79	60859	51.03	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	102.06%
47) 2-Hexanone-d5	8.31	63	154245	118.01	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	118.01%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	214564	53.73	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	107.46%
64) 1,2-Dichlorobenzene-d4	11.87	152	157663	51.03	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.06%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.20	85	120670	41.12	ug/L	99
3) Chloromethane	1.33	50	124805	45.72	ug/L	99
5) Vinyl chloride	1.40	62	134874	42.64	ug/L	96
6) Bromomethane	1.62	94	55071	43.68	ug/L	97
8) Chloroethane	1.70	64	84208	42.46	ug/L	99
9) Trichlorofluoromethane	1.88	101	166357	42.12	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	98084	40.68	ug/L	97
12) 1,1-Dichloroethene	2.28	96	89520	41.76	ug/L	93
13) Acetone	2.32	43	170107	90.99	ug/L	97
14) Carbon disulfide	2.47	76	250211	43.79	ug/L	99
15) Methyl Acetate	2.62	43	163524	52.15	ug/L	98
16) Methylene chloride	2.70	84	122469	48.03	ug/L	97
17) trans-1,2-Dichloroethene	2.98	96	97718	46.22	ug/L	98
18) Methyl tert-butyl Ether	3.00	73	335781	49.48	ug/L	98
19) 1,1-Dichloroethane	3.45	63	218009	48.51	ug/L	99
20) cis-1,2-Dichloroethene	4.23	96	118392	47.95	ug/L	98
22) 2-Butanone	4.27	43	246666	108.41	ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	59691	46.67	ug/L	93
25) Chloroform	4.68	83	224859	49.51	ug/L	98
27) 1,2-Dichloroethane	5.41	62	177260	51.33	ug/L	97
29) Cyclohexane	5.00	56	163622	47.37	ug/L	100
30) 1,1,1-Trichloroethane	4.92	97	172421	48.01	ug/L	99
31) Carbon tetrachloride	5.14	117	143917	46.49	ug/L	99
33) Benzene	5.39	78	461971	48.83	ug/L	100
34) Trichloroethene	6.19	95	113453	47.01	ug/L	95
35) Methylcyclohexane	6.42	83	157981	46.13	ug/L	99
37) 1,2-Dichloropropane	6.44	63	137257	49.02	ug/L	99
38) Bromodichloromethane	6.76	83	164876	49.69	ug/L	98
39) cis-1,3-Dichloropropene	7.27	75	179578	48.59	ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	439872	111.52	ug/L	97
42) Toluene	7.64	91	491521	49.85	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	167833	49.32	ug/L	99
45) 1,1,2-Trichloroethane	8.07	97	123326	49.04	ug/L	99
46) Tetrachloroethene	8.23	164	87871	44.54	ug/L	99
48) 2-Hexanone	8.36	43	357584	111.63	ug/L	99
49) Dibromochloromethane	8.48	129	129939	48.59	ug/L	99
50) 1,2-Dibromoethane	8.59	107	124890	48.69	ug/L	100
51) Chlorobenzene	9.12	112	318815	47.66	ug/L	97
52) Ethylbenzene	9.26	91	529668	49.83	ug/L	100
53) m,p-Xylene	9.38	106	200080	49.67	ug/L	96
54) o-xylene	9.79	106	195118	49.85	ug/L	98
55) Styrene	9.80	104	353730	51.69	ug/L	96
56) Isopropylbenzene	10.17	105	511787	49.72	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	224737	49.65	ug/L	98
59) 1,2,3-Trichloropropane	10.50	75	183452	50.49	ug/L	98
61) Bromoform	9.96	173	96744	47.86	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	239387	48.05	ug/L	98
63) 1,4-Dichlorobenzene	11.51	146	251511	47.64	ug/L	100
65) 1,2-Dichlorobenzene	11.89	146	258952	48.19	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.66	75	48978	51.68	ug/L	95
67) 1,3,5-Trichlorobenzene	12.89	180	192224	46.66	ug/L	99
68) 1,2,4-trichlorobenzene	13.51	180	161915	47.99	ug/L	99
69) Naphthalene	13.75	128	517885	53.92	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	181347	50.23	ug/L	100

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

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