

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071918\
 Data File : VU025512.D
 Acq On : 19 Jul 2018 09:46
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05051

Quant Time: Jul 20 02:35:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071718WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jul 19 01:07:14 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	325827	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	308320	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	161125	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	66913	43.55	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	87.10%
7) Chloroethane-d5	1.68	69	60986	46.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.18%
11) 1,1-Dichloroethene-d2	2.28	63	160908	47.69	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.38%
21) 2-Butanone-d5	4.17	46	140963	86.21	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	86.21%
24) Chloroform-d	4.65	84	193571	48.56	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.12%
26) 1,2-Dichloroethane-d4	5.31	65	126707	46.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.42%
32) Benzene-d6	5.35	84	345636	46.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.78%
36) 1,2-Dichloropropane-d6	6.33	67	117686	47.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.40%
41) Toluene-d8	7.57	98	337392	46.78	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.56%
43) trans-1,3-Dichloropropene-	7.85	79	60187	46.86	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.72%
47) 2-Hexanone-d5	8.31	63	104109	81.39	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	81.39%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	173239	47.29	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.58%
64) 1,2-Dichlorobenzene-d4	11.86	152	151427	46.90	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.80%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	134632	50.224	ug/L 99
3) Chloromethane	1.33	50	118257	49.851	ug/L 100
5) Vinyl chloride	1.41	62	118027	49.484	ug/L 98
6) Bromomethane	1.63	94	76301	58.694	ug/L 95
8) Chloroethane	1.70	64	72477	50.777	ug/L 100
9) Trichlorofluoromethane	1.89	101	180950	51.604	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	103444	54.335	ug/L 99
12) 1,1-Dichloroethene	2.29	96	89319	50.576	ug/L 93
13) Acetone	2.32	43	169504	118.718	ug/L 98
14) Carbon disulfide	2.48	76	275063	48.201	ug/L 100
15) Methyl Acetate	2.62	43	112028	42.456	ug/L 99
16) Methylene chloride	2.71	84	119537	51.758	ug/L 99
17) trans-1,2-Dichloroethene	2.99	96	105892	50.692	ug/L 94
18) Methyl tert-butyl Ether	3.00	73	359796	48.611	ug/L 100
19) 1,1-Dichloroethane	3.45	63	207762	49.719	ug/L 98
20) cis-1,2-Dichloroethene	4.23	96	124036	48.498	ug/L 97
22) 2-Butanone	4.26	43	193302	98.359	ug/L 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	65920	51.424	ug/L	96
25) Chloroform	4.68	83	218152	49.683	ug/L	97
27) 1,2-Dichloroethane	5.41	62	176499	48.404	ug/L	98
29) Cyclohexane	5.00	56	178918	50.393	ug/L	98
30) 1,1,1-Trichloroethane	4.92	97	201007	48.990	ug/L	100
31) Carbon tetrachloride	5.14	117	180441	50.060	ug/L	100
33) Benzene	5.39	78	447738	49.087	ug/L	100
34) Trichloroethene	6.19	95	118117	48.918	ug/L	97
35) Methylcyclohexane	6.42	83	194594	53.081	ug/L	97
37) 1,2-Dichloropropane	6.44	63	123416	49.048	ug/L	99
38) Bromodichloromethane	6.76	83	167460	49.290	ug/L	98
39) cis-1,3-Dichloropropene	7.27	75	198662	50.957	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	309115	84.705	ug/L	100
42) Toluene	7.64	91	492440	50.632	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	187390	50.069	ug/L	100
45) 1,1,2-Trichloroethane	8.07	97	119174	49.954	ug/L	97
46) Tetrachloroethene	8.23	164	103089	51.179	ug/L	99
48) 2-Hexanone	8.36	43	263392	90.338	ug/L	99
49) Dibromochloromethane	8.48	129	143666	49.746	ug/L	97
50) 1,2-Dibromoethane	8.59	107	126242	47.942	ug/L	99
51) Chlorobenzene	9.12	112	332615	50.969	ug/L	98
52) Ethylbenzene	9.25	91	551635	50.811	ug/L	100
53) m,p-Xylene	9.38	106	214597	51.571	ug/L	100
54) o-xylene	9.78	106	215238	51.272	ug/L	94
55) Styrene	9.80	104	361389	52.122	ug/L	98
56) Isopropylbenzene	10.17	105	562780	51.767	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.46	83	190281	46.327	ug/L	99
59) 1,2,3-Trichloropropane	10.50	75	150239	44.899	ug/L	99
61) Bromoform	9.96	173	105997	46.636	ug/L	98
62) 1,3-Dichlorobenzene	11.42	146	268474	50.274	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	270927	50.203	ug/L	98
65) 1,2-Dichlorobenzene	11.88	146	281818	49.978	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.66	75	41764	39.577	ug/L	98
67) 1,3,5-Trichlorobenzene	12.89	180	214931	52.362	ug/L	98
68) 1,2,4-trichlorobenzene	13.51	180	182393	49.832	ug/L	100
69) Naphthalene	13.74	128	544699	43.010	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	191255	48.450	ug/L	100

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

