

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082318\
 Data File : VU026325.D
 Acq On : 24 Aug 2018 02:01
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05051

Quant Time: Aug 24 04:08:48 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM082218WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 24 02:06:29 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	331842	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	323836	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	177468	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	78314	38.69	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	77.38%
7) Chloroethane-d5	1.68	69	69897	42.35	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	84.70%
11) 1,1-Dichloroethene-d2	2.27	63	171472	43.10	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.20%
21) 2-Butanone-d5	4.18	46	160749	99.51	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.51%
24) Chloroform-d	4.65	84	212117	47.02	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.04%
26) 1,2-Dichloroethane-d4	5.31	65	134977	45.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.94%
32) Benzene-d6	5.35	84	387759	44.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.52%
36) 1,2-Dichloropropane-d6	6.33	67	130829	47.03	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.06%
41) Toluene-d8	7.57	98	370194	44.71	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.42%
43) trans-1,3-Dichloropropene-	7.85	79	64512	44.89	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.78%
47) 2-Hexanone-d5	8.31	63	118602	99.76	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.76%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	192451	46.75	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.50%
64) 1,2-Dichlorobenzene-d4	11.86	152	166356	44.18	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.36%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.20	85	133235	51.13	ug/L	99
3) Chloromethane	1.33	50	129040	53.71	ug/L	99
5) Vinyl chloride	1.40	62	130372	53.86	ug/L	98
6) Bromomethane	1.63	94	63916	42.47	ug/L	95
8) Chloroethane	1.70	64	73557	52.99	ug/L	99
9) Trichlorofluoromethane	1.89	101	181630	52.98	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	97336	51.17	ug/L	99
12) 1,1-Dichloroethene	2.28	96	91210	52.22	ug/L	94
13) Acetone	2.32	43	107530	86.01	ug/L	99
14) Carbon disulfide	2.48	76	344777	51.46	ug/L	100
15) Methyl Acetate	2.62	43	127307	52.91	ug/L	100
16) Methylene chloride	2.70	84	125667	53.47	ug/L	97
17) trans-1,2-Dichloroethene	2.99	96	113590	52.76	ug/L	99
18) Methyl tert-butyl Ether	3.00	73	355630	55.14	ug/L	99
19) 1,1-Dichloroethane	3.45	63	212506	54.21	ug/L	99
20) cis-1,2-Dichloroethene	4.23	96	152840	64.32	ug/L	98
22) 2-Butanone	4.26	43	171999	102.83	ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	68279	53.73	ug/L	98
25) Chloroform	4.68	83	223230	53.34	ug/L	97
27) 1,2-Dichloroethane	5.41	62	178548	53.56	ug/L	98
29) Cyclohexane	5.00	56	181611	54.68	ug/L	100
30) 1,1,1-Trichloroethane	4.92	97	197806	52.57	ug/L	99
31) Carbon tetrachloride	5.14	117	184231	52.08	ug/L	99
33) Benzene	5.39	78	473830	53.67	ug/L	100
34) Trichloroethene	6.19	95	213723	91.55	ug/L	99
35) Methylcyclohexane	6.42	83	190447	53.35	ug/L	97
37) 1,2-Dichloropropane	6.44	63	131233	54.39	ug/L	100
38) Bromodichloromethane	6.76	83	173392	53.74	ug/L	98
39) cis-1,3-Dichloropropene	7.27	75	189409	51.68	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	326176	106.67	ug/L	100
42) Toluene	7.64	91	517938	55.14	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	185420	52.58	ug/L	99
45) 1,1,2-Trichloroethane	8.07	97	120530	52.88	ug/L	98
46) Tetrachloroethene	8.23	164	106602	53.07	ug/L	95
48) 2-Hexanone	8.36	43	257870	104.78	ug/L	99
49) Dibromochloromethane	8.48	129	150457	53.71	ug/L	100
50) 1,2-Dibromoethane	8.59	107	133763	53.17	ug/L	98
51) Chlorobenzene	9.12	112	338327	52.66	ug/L	98
52) Ethylbenzene	9.25	91	564474	55.17	ug/L	100
53) m,p-Xylene	9.38	106	222699	56.31	ug/L	99
54) o-xylene	9.78	106	215225	55.79	ug/L	95
55) Styrene	9.80	104	378903	57.54	ug/L	98
56) Isopropylbenzene	10.17	105	554620	55.42	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.46	83	201804	52.31	ug/L	98
59) 1,2,3-Trichloropropane	10.50	75	157747	52.44	ug/L	98
61) Bromoform	9.96	173	114114	51.91	ug/L	98
62) 1,3-Dichlorobenzene	11.42	146	279635	53.45	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	292028	52.83	ug/L	100
65) 1,2-Dichlorobenzene	11.88	146	286932	52.15	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.66	75	47441	51.61	ug/L	97
67) 1,3,5-Trichlorobenzene	12.89	180	211514	51.51	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	193300	53.92	ug/L	99
69) Naphthalene	13.74	128	612309	57.34	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	205902	53.91	ug/L	98

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

