

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080218\
 Data File : VU025788.D
 Acq On : 02 Aug 2018 09:44
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05047

Quant Time: Aug 03 04:23:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM072018WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jul 31 17:05:15 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	331603	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	310009	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	172849	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	77293	40.83	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	81.66%
7) Chloroethane-d5	1.68	69	68026	43.56	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.12%
11) 1,1-Dichloroethene-d2	2.27	63	174727	44.33	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.66%
21) 2-Butanone-d5	4.18	46	147132	100.67	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.67%
24) Chloroform-d	4.65	84	196918	46.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.40%
26) 1,2-Dichloroethane-d4	5.31	65	132621	47.56	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.12%
32) Benzene-d6	5.34	84	363139	45.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.34%
36) 1,2-Dichloropropane-d6	6.33	67	120389	46.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.98%
41) Toluene-d8	7.57	98	350461	45.96	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.92%
43) trans-1,3-Dichloropropene-	7.85	79	61477	46.98	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.96%
47) 2-Hexanone-d5	8.31	63	108301	100.96	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.96%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	175407	48.95	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.90%
64) 1,2-Dichlorobenzene-d4	11.86	152	157314	44.91	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.82%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.21	85	137444	42.07	ug/L	98
3) Chloromethane	1.33	50	97657	41.39	ug/L	99
5) Vinyl chloride	1.40	62	111185	42.96	ug/L	100
6) Bromomethane	1.63	94	35526	39.47	ug/L	91
8) Chloroethane	1.70	64	64972	42.64	ug/L	98
9) Trichlorofluoromethane	1.89	101	165240	44.84	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	99113	48.03	ug/L	98
12) 1,1-Dichloroethene	2.28	96	87837	46.94	ug/L	99
13) Acetone	2.32	43	188476	109.87	ug/L	100
14) Carbon disulfide	2.48	76	264881	43.47	ug/L	100
15) Methyl Acetate	2.62	43	105883	44.65	ug/L	99
16) Methylene chloride	2.70	84	105025	45.05	ug/L	96
17) trans-1,2-Dichloroethene	2.99	96	98331	45.64	ug/L	97
18) Methyl tert-butyl Ether	3.00	73	327142	46.62	ug/L	100
19) 1,1-Dichloroethane	3.45	63	185031	45.14	ug/L	99
20) cis-1,2-Dichloroethene	4.23	96	112875	46.41	ug/L	93
22) 2-Butanone	4.26	43	193282	101.21	ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	58780	45.79	ug/L	100
25) Chloroform	4.68	83	193180	44.79	ug/L	99
27) 1,2-Dichloroethane	5.41	62	160280	45.56	ug/L	99
29) Cyclohexane	5.00	56	160012	44.55	ug/L	99
30) 1,1,1-Trichloroethane	4.92	97	178802	46.09	ug/L	99
31) Carbon tetrachloride	5.14	117	163319	45.53	ug/L	98
33) Benzene	5.39	78	398235	44.71	ug/L	100
34) Trichloroethene	6.19	95	110487	46.75	ug/L	97
35) Methylcyclohexane	6.42	83	166127	43.59	ug/L	98
37) 1,2-Dichloropropane	6.44	63	108931	44.75	ug/L	100
38) Bromodichloromethane	6.76	83	148947	46.41	ug/L	98
39) cis-1,3-Dichloropropene	7.27	75	177918	47.10	ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	293690	91.88	ug/L	99
42) Toluene	7.64	91	442912	46.11	ug/L	98
44) trans-1,3-Dichloropropene	7.88	75	172259	48.37	ug/L	100
45) 1,1,2-Trichloroethane	8.07	97	104184	44.62	ug/L	98
46) Tetrachloroethene	8.23	164	97743	47.70	ug/L	98
48) 2-Hexanone	8.36	43	267622	99.08	ug/L	99
49) Dibromochloromethane	8.48	129	132031	48.21	ug/L	100
50) 1,2-Dibromoethane	8.59	107	116168	46.18	ug/L	99
51) Chlorobenzene	9.12	112	305152	47.19	ug/L	99
52) Ethylbenzene	9.25	91	503410	47.48	ug/L	100
53) m,p-Xylene	9.38	106	196154	48.30	ug/L	98
54) o-xylene	9.78	106	189728	46.04	ug/L	98
55) Styrene	9.80	104	328029	48.88	ug/L	100
56) Isopropylbenzene	10.17	105	507309	47.70	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.46	83	170248	45.21	ug/L	99
59) 1,2,3-Trichloropropane	10.50	75	127529	44.61	ug/L	99
61) Bromoform	9.96	173	99648	44.57	ug/L	98
62) 1,3-Dichlorobenzene	11.42	146	253900	46.44	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	261747	46.90	ug/L	98
65) 1,2-Dichlorobenzene	11.88	146	257968	45.04	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	38358	42.58	ug/L	97
67) 1,3,5-Trichlorobenzene	12.89	180	190922	45.24	ug/L	100
68) 1,2,4-trichlorobenzene	13.51	180	169697	47.84	ug/L	99
69) Naphthalene	13.74	128	495119	46.42	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	170004	45.34	ug/L	98

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

