

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU072318\
 Data File : VU025596.D
 Acq On : 23 Jul 2018 11:23
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05064

Quant Time: Jul 24 02:03:17 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM072018WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Jul 23 16:29:04 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	303511	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	286699	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	155421	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	78601	45.36	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.72%
7) Chloroethane-d5	1.68	69	69945	48.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.88%
11) 1,1-Dichloroethene-d2	2.27	63	176607	48.96	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.92%
21) 2-Butanone-d5	4.18	46	154934	115.82	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	115.82%
24) Chloroform-d	4.65	84	204281	52.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.86%
26) 1,2-Dichloroethane-d4	5.31	65	138270	54.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	108.34%
32) Benzene-d6	5.35	84	387840	52.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.50%
36) 1,2-Dichloropropane-d6	6.34	67	127137	53.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	107.32%
41) Toluene-d8	7.57	98	376454	53.39	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.78%
43) trans-1,3-Dichloropropene-	7.85	79	68674	56.75	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	113.50%
47) 2-Hexanone-d5	8.31	63	113314	114.22	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	114.22%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	182071	54.95	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	109.90%
64) 1,2-Dichlorobenzene-d4	11.86	152	168263	53.42	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.84%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	136265	45.566 ug/L	99
3) Chloromethane	1.33	50	110506	51.168 ug/L	99
5) Vinyl chloride	1.41	62	112193	47.364 ug/L	99
6) Bromomethane	1.63	94	52062	63.202 ug/L	95
8) Chloroethane	1.70	64	64579	46.300 ug/L	99
9) Trichlorofluoromethane	1.89	101	157247	46.617 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	92430	48.932 ug/L	99
12) 1,1-Dichloroethene	2.29	96	83500	48.749 ug/L	92
13) Acetone	2.32	43	138600	88.274 ug/L	98
14) Carbon disulfide	2.48	76	261110	46.815 ug/L	100
15) Methyl Acetate	2.62	43	101547	46.786 ug/L	100
16) Methylene chloride	2.70	84	100921	47.298 ug/L	99
17) trans-1,2-Dichloroethene	2.99	96	92969	47.141 ug/L	99
18) Methyl tert-butyl Ether	3.00	73	305597	47.580 ug/L	99
19) 1,1-Dichloroethane	3.45	63	176828	47.136 ug/L	99
20) cis-1,2-Dichloroethene	4.23	96	106445	47.817 ug/L	96
22) 2-Butanone	4.26	43	159727	91.381 ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	57065	48.567	ug/L	92
25) Chloroform	4.68	83	188642	47.787	ug/L	97
27) 1,2-Dichloroethane	5.41	62	153371	47.633	ug/L	100
29) Cyclohexane	5.00	56	157055	47.284	ug/L	98
30) 1,1,1-Trichloroethane	4.92	97	170717	47.586	ug/L	99
31) Carbon tetrachloride	5.14	117	154260	46.501	ug/L	99
33) Benzene	5.39	78	388769	47.194	ug/L	100
34) Trichloroethene	6.19	95	104353	47.743	ug/L	98
35) Methylcyclohexane	6.42	83	171959	48.793	ug/L	99
37) 1,2-Dichloropropane	6.44	63	104849	46.577	ug/L	100
38) Bromodichloromethane	6.76	83	141466	47.664	ug/L	98
39) cis-1,3-Dichloropropene	7.27	75	168812	48.322	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	284169	96.127	ug/L	100
42) Toluene	7.64	91	424600	47.795	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	162559	49.353	ug/L	99
45) 1,1,2-Trichloroethane	8.07	97	99478	46.071	ug/L	98
46) Tetrachloroethene	8.23	164	91162	48.110	ug/L	97
48) 2-Hexanone	8.36	43	234501	93.878	ug/L	99
49) Dibromochloromethane	8.48	129	122306	48.287	ug/L	98
50) 1,2-Dibromoethane	8.59	107	109283	46.978	ug/L	99
51) Chlorobenzene	9.12	112	286660	47.931	ug/L	99
52) Ethylbenzene	9.25	91	479208	48.873	ug/L	99
53) m,p-Xylene	9.38	106	189642	50.494	ug/L	100
54) o-xylene	9.78	106	181957	47.746	ug/L	99
55) Styrene	9.80	104	311353	50.163	ug/L	100
56) Isopropylbenzene	10.17	105	493806	50.210	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.46	83	163204	46.859	ug/L	98
59) 1,2,3-Trichloropropane	10.50	75	122832	46.456	ug/L	99
61) Bromoform	9.96	173	90980	45.256	ug/L	98
62) 1,3-Dichlorobenzene	11.42	146	239834	48.784	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	243758	48.573	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	242731	47.128	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	38180	47.135	ug/L	98
67) 1,3,5-Trichlorobenzene	12.89	180	195271	51.457	ug/L	100
68) 1,2,4-trichlorobenzene	13.51	180	170203	53.366	ug/L	98
69) Naphthalene	13.74	128	475667	49.594	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	171138	50.761	ug/L	99

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

