

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU073118\
 Data File : VU025731.D
 Acq On : 31 Jul 2018 08:17
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05043

Quant Time: Jul 31 11:43:36 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM072018WMA.M
 Quant Title : VOC Analysis
 OLast Update : Fri Jul 27 18:17:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	OIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	336559	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	320204	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	180261	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	76374	39.75	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	79.50%		
7) Chloroethane-d5	1.68	69	66838	42.17	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	84.34%		
11) 1,1-Dichloroethene-d2	2.28	63	166713	41.68	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	83.36%		
21) 2-Butanone-d5	4.18	46	137616	92.77	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	92.77%		
24) Chloroform-d	4.65	84	191884	44.83	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	89.66%		
26) 1,2-Dichloroethane-d4	5.31	65	124486	43.98	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	87.96%		
32) Benzene-d6	5.35	84	354688	43.19	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	86.38%		
36) 1,2-Dichloropropane-d6	6.33	67	115096	43.50	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	87.00%		
41) Toluene-d8	7.57	98	337881	42.90	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	85.80%		
43) trans-1,3-Dichloropropene-	7.85	79	60999	45.13	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	90.26%		
47) 2-Hexanone-d5	8.31	63	100007	90.26	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	90.26%		
57) 1,1,2,2-Tetrachloroethane-	10.44	84	164465	44.44	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	88.88%		
64) 1,2-Dichlorobenzene-d4	11.86	152	151887	41.58	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	83.16%		

Target Compounds

Target Compounds	R.T.	OIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.21	85	145172	43.78	ug/L	100
3) Chloromethane	1.33	50	109839	45.87	ug/L	100
5) Vinyl chloride	1.41	62	115994	44.16	ug/L	99
6) Bromomethane	1.63	94	46443	50.84	ug/L	93
8) Chloroethane	1.70	64	68910	44.55	ug/L	97
9) Trichlorofluoromethane	1.89	101	167364	44.74	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	97948	46.76	ug/L	98
12) 1,1-Dichloroethene	2.29	96	87235	45.93	ug/L	94
13) Acetone	2.32	43	161516	92.77	ug/L	100
14) Carbon disulfide	2.48	76	272698	44.09	ug/L	100
15) Methyl Acetate	2.62	43	107724	44.76	ug/L	98
16) Methylene chloride	2.70	84	107336	45.37	ug/L	97
17) trans-1,2-Dichloroethene	2.99	96	101479	46.40	ug/L	99
18) Methyl tert-butyl Ether	3.00	73	337180	47.34	ug/L	100
19) 1,1-Dichloroethane	3.45	63	191043	45.92	ug/L	99
20) cis-1,2-Dichloroethene	4.23	96	115661	46.86	ug/L	93
22) 2-Butanone	4.26	43	175369	90.48	ug/L	99
23) Bromochloromethane	4.55	128	61042	46.85	ug/L	96
25) Chloroform	4.68	83	203049	46.39	ug/L	99

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Internal Standards	R.T.	OIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.41	62	165391	46.32	ug/L	99
29) Cyclohexane	5.00	56	166585	44.91	ug/L	99
30) 1,1,1-Trichloroethane	4.92	97	183790	45.87	ug/L	100
31) Carbon tetrachloride	5.14	117	168185	45.39	ug/L	99
33) Benzene	5.39	78	418595	45.50	ug/L	100
34) Trichloroethene	6.19	95	115023	47.12	ug/L	98
35) Methylcyclohexane	6.42	83	177131	45.00	ug/L	100
37) 1,2-Dichloropropane	6.44	63	115906	46.10	ug/L	100
38) Bromodichloromethane	6.76	83	156859	47.32	ug/L	95
39) cis-1,3-Dichloropropene	7.27	75	181365	46.48	ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	302658	91.67	ug/L	100
42) Toluene	7.64	91	466866	47.05	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	178631	48.56	ug/L	100
45) 1,1,2-Trichloroethane	8.07	97	110115	45.66	ug/L	98
46) Tetrachloroethene	8.23	164	99497	47.01	ug/L	97
48) 2-Hexanone	8.36	43	257152	92.17	ug/L	99
49) Dibromochloromethane	8.48	129	136624	48.30	ug/L	100
50) 1,2-Dibromoethane	8.59	107	118797	45.72	ug/L	99
51) Chlorobenzene	9.12	112	314174	47.03	ug/L	100
52) Ethylbenzene	9.25	91	528068	48.22	ug/L	99
53) m,p-Xylene	9.38	106	203983	48.63	ug/L	99
54) o-xylene	9.78	106	199296	46.82	ug/L	98
55) Styrene	9.80	104	343840	49.60	ug/L	98
56) Isopropylbenzene	10.17	105	531403	48.38	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.46	83	177949	45.75	ug/L	100
59) 1,2,3-Trichloropropane	10.50	75	132220	44.77	ug/L	99
61) Bromoform	9.96	173	101652	43.60	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	267100	46.84	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	274068	47.09	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	265651	44.47	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.66	75	39711	42.27	ug/L	97
67) 1,3,5-Trichlorobenzene	12.89	180	208885	47.46	ug/L	99
68) 1,2,4-trichlorobenzene	13.51	180	185573	50.17	ug/L	99
69) Naphthalene	13.74	128	526516	47.33	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	187153	47.86	ug/L	99

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

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