

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091518\
 Data File : VU026752.D
 Acq On : 14 Sep 2018 08:16
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05043

Quant Time: Sep 15 00:55:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091018WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Sep 15 00:18:06 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	181705	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	178009	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	94143	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	54056	39.92	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	79.84%
7) Chloroethane-d5	1.64	69	39872	36.54	ug/L	-0.04
Spiked Amount	50.000	Range	70 - 130	Recovery	=	73.08%
11) 1,1-Dichloroethene-d2	2.25	63	111539	46.03	ug/L	-0.02
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.06%
21) 2-Butanone-d5	4.19	46	80244	95.23	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	95.23%
24) Chloroform-d	4.64	84	102728	45.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.26%
26) 1,2-Dichloroethane-d4	5.31	65	66013	44.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.60%
32) Benzene-d6	5.34	84	201901	43.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.64%
36) 1,2-Dichloropropane-d6	6.33	67	69322	44.84	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	89.68%
41) Toluene-d8	7.57	98	192324	44.49	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.98%
43) trans-1,3-Dichloropropene-	7.85	79	31388	43.67	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.34%
47) 2-Hexanone-d5	8.32	63	62187	98.58	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.58%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	105021	49.61	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.22%
64) 1,2-Dichlorobenzene-d4	11.86	152	83072	44.26	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.52%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	56229	49.160	ug/L 99
3) Chloromethane	1.32	50	69775	46.407	ug/L 99
5) Vinyl chloride	1.40	62	73120	47.064	ug/L 99
6) Bromomethane	1.60	94	37973	41.942	ug/L 99
8) Chloroethane	1.66	64	38103	39.545	ug/L 100
9) Trichlorofluoromethane	1.84	101	100479	51.289	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.26	101	61196	54.852	ug/L 98
12) 1,1-Dichloroethene	2.26	96	55499	51.800	ug/L 94
13) Acetone	2.33	43	95402	99.405	ug/L 100
14) Carbon disulfide	2.45	76	164115	47.162	ug/L 100
15) Methyl Acetate	2.62	43	75326	55.016	ug/L 97
16) Methylene chloride	2.69	84	66581	52.657	ug/L 98
17) trans-1,2-Dichloroethene	2.97	96	57829	50.939	ug/L 98
18) Methyl tert-butyl Ether	3.00	73	189313	54.118	ug/L 99
19) 1,1-Dichloroethane	3.44	63	117837	53.521	ug/L 99
20) cis-1,2-Dichloroethene	4.22	96	67385	52.697	ug/L 99
22) 2-Butanone	4.27	43	117845	107.244	ug/L 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	33478	51.188	ug/L	94
25) Chloroform	4.67	83	118894	53.726	ug/L	100
27) 1,2-Dichloroethane	5.40	62	95456	54.322	ug/L	100
29) Cyclohexane	4.99	56	102964	52.806	ug/L	100
30) 1,1,1-Trichloroethane	4.91	97	97085	51.482	ug/L	99
31) Carbon tetrachloride	5.13	117	87552	51.364	ug/L	98
33) Benzene	5.39	78	260445	52.247	ug/L	100
34) Trichloroethene	6.18	95	63769	51.468	ug/L	97
35) Methylcyclohexane	6.41	83	105931	53.412	ug/L	100
37) 1,2-Dichloropropane	6.43	63	74401	53.426	ug/L	100
38) Bromodichloromethane	6.76	83	90891	53.258	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	108836	52.815	ug/L	100
40) 4-Methyl-2-pentanone	7.47	43	205322	115.584	ug/L	99
42) Toluene	7.64	91	273169	52.871	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	103337	53.903	ug/L	99
45) 1,1,2-Trichloroethane	8.07	97	68361	55.341	ug/L	99
46) Tetrachloroethene	8.23	164	53355	51.239	ug/L	99
48) 2-Hexanone	8.37	43	177522	118.367	ug/L	99
49) Dibromochloromethane	8.48	129	78122	54.715	ug/L	99
50) 1,2-Dibromoethane	8.59	107	70670	53.481	ug/L	99
51) Chlorobenzene	9.12	112	183280	54.025	ug/L	99
52) Ethylbenzene	9.25	91	300771	53.827	ug/L	99
53) m,p-Xylene	9.38	106	114929	54.549	ug/L	99
54) o-xylene	9.78	106	116889	55.900	ug/L	99
55) Styrene	9.79	104	200919	56.803	ug/L	98
56) Isopropylbenzene	10.17	105	302653	56.818	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.46	83	127157	59.420	ug/L	100
59) 1,2,3-Trichloropropane	10.50	75	95608	58.025	ug/L	100
61) Bromoform	9.96	173	63237	54.528	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	145948	53.992	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	155404	54.269	ug/L	100
65) 1,2-Dichlorobenzene	11.88	146	161008	56.358	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	23885	51.750	ug/L	98
67) 1,3,5-Trichlorobenzene	12.89	180	114955	53.612	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	94874	50.908	ug/L	99
69) Naphthalene	13.75	128	290796	50.921	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	102216	50.634	ug/L	100

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

