

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU072318\
 Data File : VU025617.D
 Acq On : 23 Jul 2018 21:25
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05065

Quant Time: Jul 24 02:10:40 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM072018WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jul 24 02:07:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	322862	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	303145	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	164005	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	100604	54.58	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	109.16%
7) Chloroethane-d5	1.68	69	80297	52.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	105.62%
11) 1,1-Dichloroethene-d2	2.27	63	202734	52.83	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	105.66%
21) 2-Butanone-d5	4.18	46	166446	116.97	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	116.97%
24) Chloroform-d	4.65	84	214448	52.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.46%
26) 1,2-Dichloroethane-d4	5.31	65	140954	51.91	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.82%
32) Benzene-d6	5.35	84	406005	52.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.44%
36) 1,2-Dichloropropane-d6	6.34	67	130337	52.03	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	104.06%
41) Toluene-d8	7.57	98	395292	53.02	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.04%
43) trans-1,3-Dichloropropene-	7.85	79	68601	53.61	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	107.22%
47) 2-Hexanone-d5	8.31	63	124400	118.59	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	118.59%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	186877	53.34	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	106.68%
64) 1,2-Dichlorobenzene-d4	11.86	152	172746	51.97	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.94%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	142740	44.871	ug/L 99
3) Chloromethane	1.33	50	124895	54.365	ug/L 97
5) Vinyl chloride	1.41	62	120812	47.946	ug/L 98
6) Bromomethane	1.63	94	51792	59.106	ug/L 92
8) Chloroethane	1.70	64	73443	49.499	ug/L 97
9) Trichlorofluoromethane	1.89	101	169873	47.342	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	95990	47.771	ug/L 99
12) 1,1-Dichloroethene	2.28	96	92270	50.640	ug/L 94
13) Acetone	2.32	43	118476	70.935	ug/L 99
14) Carbon disulfide	2.48	76	282862	47.676	ug/L 99
15) Methyl Acetate	2.62	43	127511	55.227	ug/L 98
16) Methylene chloride	2.71	84	112728	49.665	ug/L 100
17) trans-1,2-Dichloroethene	2.99	96	105331	50.209	ug/L 99
18) Methyl tert-butyl Ether	3.00	73	354651	51.908	ug/L 99
19) 1,1-Dichloroethane	3.45	63	200556	50.257	ug/L 100
20) cis-1,2-Dichloroethene	4.23	96	121341	51.242	ug/L 98
22) 2-Butanone	4.27	43	177757	95.601	ug/L 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	64008	51.211	ug/L	99
25) Chloroform	4.68	83	211302	50.319	ug/L	99
27) 1,2-Dichloroethane	5.41	62	176374	51.494	ug/L	99
29) Cyclohexane	5.00	56	172417	49.093	ug/L	99
30) 1,1,1-Trichloroethane	4.92	97	190058	50.103	ug/L	100
31) Carbon tetrachloride	5.14	117	173521	49.470	ug/L	100
33) Benzene	5.39	78	437451	50.222	ug/L	100
34) Trichloroethene	6.19	95	117800	50.971	ug/L	97
35) Methylcyclohexane	6.42	83	176096	47.256	ug/L	99
37) 1,2-Dichloropropane	6.44	63	120984	50.829	ug/L	100
38) Bromodichloromethane	6.76	83	160378	51.104	ug/L	97
39) cis-1,3-Dichloropropene	7.27	75	190812	51.657	ug/L	97
40) 4-Methyl-2-pentanone	7.46	43	355920	113.867	ug/L	99
42) Toluene	7.64	91	480873	51.193	ug/L	98
44) trans-1,3-Dichloropropene	7.88	75	182171	52.306	ug/L	100
45) 1,1,2-Trichloroethane	8.07	97	115336	50.517	ug/L	99
46) Tetrachloroethene	8.23	164	101390	50.604	ug/L	99
48) 2-Hexanone	8.36	43	282295	106.881	ug/L	99
49) Dibromochloromethane	8.48	129	138438	51.691	ug/L	99
50) 1,2-Dibromoethane	8.59	107	128292	52.158	ug/L	100
51) Chlorobenzene	9.12	112	325173	51.420	ug/L	99
52) Ethylbenzene	9.25	91	542878	52.363	ug/L	100
53) m,p-Xylene	9.38	106	212016	53.389	ug/L	97
54) o-xylene	9.78	106	206507	51.248	ug/L	100
55) Styrene	9.80	104	355838	54.220	ug/L	100
56) Isopropylbenzene	10.17	105	550443	52.932	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.46	83	194414	52.791	ug/L	98
59) 1,2,3-Trichloropropane	10.50	75	148259	53.030	ug/L	99
61) Bromoform	9.96	173	104441	49.232	ug/L	98
62) 1,3-Dichlorobenzene	11.42	146	268424	51.741	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	273398	51.628	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	274704	50.544	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.66	75	46190	54.039	ug/L	97
67) 1,3,5-Trichlorobenzene	12.89	180	213699	53.366	ug/L	99
68) 1,2,4-trichlorobenzene	13.51	180	190457	56.591	ug/L	98
69) Naphthalene	13.74	128	611351	60.405	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	197050	55.387	ug/L	99

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

