

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU071819\
 Data File : VU033330.D
 Acq On : 18 Jul 2019 20:12
 Operator : JC/SP
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05052

Quant Time: Jul 19 01:50:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071219WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jul 19 01:43:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	379155	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	363984	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	191360	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	102126	35.58	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	71.16%
7) Chloroethane-d5	1.67	69	93076	37.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	75.92%
11) 1,1-Dichloroethene-d2	2.26	63	203288	39.05	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	78.10%
21) 2-Butanone-d5	4.15	46	189603	104.26	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.26%
24) Chloroform-d	4.62	84	209124	43.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.96%
26) 1,2-Dichloroethane-d4	5.28	65	129088	41.84	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.68%
32) Benzene-d6	5.32	84	398720	44.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.30%
36) 1,2-Dichloropropane-d6	6.31	67	130415	45.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.18%
41) Toluene-d8	7.55	98	371560	44.13	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.26%
43) trans-1,3-Dichloropropene-	7.83	79	64336	45.87	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.74%
47) 2-Hexanone-d5	8.29	63	135371	104.98	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	104.98%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	207554	47.94	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.88%
64) 1,2-Dichlorobenzene-d4	11.84	152	160204	46.94	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.88%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	169310	45.061	ug/L 99
3) Chloromethane	1.32	50	171177	46.243	ug/L 99
5) Vinyl chloride	1.40	62	186097	43.495	ug/L 99
6) Bromomethane	1.61	94	116168	43.553	ug/L 97
8) Chloroethane	1.68	64	114878	44.390	ug/L 97
9) Trichlorofluoromethane	1.87	101	246231	43.766	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	118842	45.945	ug/L 95
12) 1,1-Dichloroethene	2.27	96	117633	46.482	ug/L 87
13) Acetone	2.31	43	147790	65.042	ug/L 99
14) Carbon disulfide	2.46	76	333910	43.141	ug/L 99
15) Methyl Acetate	2.60	43	146894	49.505	ug/L 99
16) Methylene chloride	2.68	84	136598	47.274	ug/L 96
17) trans-1,2-Dichloroethene	2.96	96	122814	46.955	ug/L 99
18) Methyl tert-butyl Ether	2.98	73	405372	50.211	ug/L 98
19) 1,1-Dichloroethane	3.42	63	234569	46.655	ug/L 99
20) cis-1,2-Dichloroethene	4.20	96	143268	48.561	ug/L 95
22) 2-Butanone	4.23	43	217039	85.983	ug/L 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.52	128	72999	48.321	ug/L	97
25) Chloroform	4.65	83	242102	45.276	ug/L	100
27) 1,2-Dichloroethane	5.38	62	191182	46.172	ug/L	100
29) Cyclohexane	4.97	56	202974	51.176	ug/L	99
30) 1,1,1-Trichloroethane	4.89	97	206294	48.580	ug/L	99
31) Carbon tetrachloride	5.11	117	182117	49.007	ug/L	99
33) Benzene	5.36	78	529432	49.877	ug/L	100
34) Trichloroethene	6.16	95	134923	48.603	ug/L	97
35) Methylcyclohexane	6.40	83	213989	50.321	ug/L	99
37) 1,2-Dichloropropane	6.41	63	141001	48.981	ug/L	100
38) Bromodichloromethane	6.74	83	175687	47.313	ug/L	98
39) cis-1,3-Dichloropropene	7.25	75	220433	49.943	ug/L	99
40) 4-Methyl-2-pentanone	7.44	43	408197	105.703	ug/L	99
42) Toluene	7.62	91	582067	50.863	ug/L	100
44) trans-1,3-Dichloropropene	7.86	75	199104	50.020	ug/L	99
45) 1,1,2-Trichloroethane	8.05	97	135172	49.649	ug/L	98
46) Tetrachloroethene	8.21	164	113316	52.729	ug/L	97
48) 2-Hexanone	8.34	43	322132	102.392	ug/L	99
49) Dibromochloromethane	8.46	129	148595	48.928	ug/L	99
50) 1,2-Dibromoethane	8.57	107	147415	49.660	ug/L #	100
51) Chlorobenzene	9.10	112	374712	50.165	ug/L	98
52) Ethylbenzene	9.23	91	635928	51.931	ug/L	99
53) m,p-Xylene	9.36	106	246307	53.103	ug/L	99
54) o-xylene	9.76	106	242209	52.590	ug/L	96
55) Styrene	9.77	104	408560	52.324	ug/L	99
56) Isopropylbenzene	10.15	105	620097	52.323	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.44	83	235427	49.229	ug/L	99
59) 1,2,3-Trichloropropane	10.48	75	185614	49.529	ug/L	100
61) Bromoform	9.94	173	111526	47.720	ug/L	98
62) 1,3-Dichlorobenzene	11.40	146	296093	50.266	ug/L	99
63) 1,4-Dichlorobenzene	11.49	146	301159	48.897	ug/L	98
65) 1,2-Dichlorobenzene	11.86	146	302409	50.058	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.64	75	51011	44.241	ug/L	95
67) 1,3,5-Trichlorobenzene	12.87	180	225154	52.890	ug/L	99
68) 1,2,4-trichlorobenzene	13.49	180	200881	54.023	ug/L	99
69) Naphthalene	13.73	128	647959	54.347	ug/L	99
70) 1,2,3-Trichlorobenzene	13.97	180	208565	51.664	ug/L	98

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

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