

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU042219\
 Data File : VU031396.D
 Acq On : 22 Apr 2019 16:01
 Operator : JC/SP
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05045

Quant Time: Apr 23 01:04:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Apr 23 00:59:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	504380	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	482686	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	237873	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	240456	51.77	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	103.54%
7) Chloroethane-d5	1.68	69	189623	47.02	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.04%
11) 1,1-Dichloroethene-d2	2.27	63	414906	45.09	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.18%
21) 2-Butanone-d5	4.19	46	399041	117.95	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	117.95%
24) Chloroform-d	4.65	84	411739	53.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.26%
26) 1,2-Dichloroethane-d4	5.31	65	234182	49.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.14%
32) Benzene-d6	5.34	84	831122	54.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	108.94%
36) 1,2-Dichloropropane-d6	6.33	67	203618	41.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	82.24%
41) Toluene-d8	7.56	98	594886	44.30	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.60%
43) trans-1,3-Dichloropropene-	7.85	79	97601	41.23	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.46%
47) 2-Hexanone-d5	8.31	63	208461	89.17	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	89.17%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	353065	51.35	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.70%
64) 1,2-Dichlorobenzene-d4	11.85	152	231842	42.50	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	203114	43.629	ug/L 99
3) Chloromethane	1.32	50	303122	54.662	ug/L 100
5) Vinyl chloride	1.40	62	310322	56.224	ug/L 94
6) Bromomethane	1.63	94	180395	49.745	ug/L 100
8) Chloroethane	1.70	64	177763	50.094	ug/L 99
9) Trichlorofluoromethane	1.88	101	382985	49.844	ug/L 96
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	213697	53.169	ug/L 95
12) 1,1-Dichloroethene	2.28	96	206880	52.480	ug/L 82
13) Acetone	2.34	43	335575	128.896	ug/L 97
14) Carbon disulfide	2.47	76	482626	45.193	ug/L 100
15) Methyl Acetate	2.62	43	214742	47.409	ug/L 96
16) Methylene chloride	2.70	84	186104	48.380	ug/L 94
17) trans-1,2-Dichloroethene	2.98	96	174817	48.671	ug/L 92
18) Methyl tert-butyl Ether	3.00	73	567938	50.216	ug/L 98
19) 1,1-Dichloroethane	3.44	63	329782	46.192	ug/L 99
20) cis-1,2-Dichloroethene	4.22	96	253881	60.736	ug/L 87
22) 2-Butanone	4.27	43	483199	135.431	ug/L 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	124943	60.334	ug/L	96
25) Chloroform	4.67	83	422480	57.695	ug/L	97
27) 1,2-Dichloroethane	5.40	62	293800	52.750	ug/L #	94
29) Cyclohexane	4.99	56	405748	59.764	ug/L	95
30) 1,1,1-Trichloroethane	4.91	97	350363	54.856	ug/L	99
31) Carbon tetrachloride	5.13	117	300980	54.466	ug/L	98
33) Benzene	5.39	78	907779	55.915	ug/L	100
34) Trichloroethene	6.18	95	194793	47.954	ug/L	95
35) Methylcyclohexane	6.41	83	295268	48.825	ug/L	95
37) 1,2-Dichloropropane	6.43	63	189550	44.087	ug/L	99
38) Bromodichloromethane	6.75	83	237564	43.472	ug/L	98
39) cis-1,3-Dichloropropene	7.27	75	320034	49.671	ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	571821	94.268	ug/L	96
42) Toluene	7.63	91	784895	48.603	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	257872	46.096	ug/L	98
45) 1,1,2-Trichloroethane	8.06	97	182116	47.062	ug/L	97
46) Tetrachloroethene	8.22	164	155975	51.051	ug/L	97
48) 2-Hexanone	8.36	43	479973	99.487	ug/L	99
49) Dibromochloromethane	8.47	129	200375	47.906	ug/L	100
50) 1,2-Dibromoethane	8.58	107	215438	52.697	ug/L	99
51) Chlorobenzene	9.12	112	489874	48.536	ug/L	97
52) Ethylbenzene	9.25	91	853035	48.522	ug/L	98
53) m,p-Xylene	9.37	106	324800	52.353	ug/L	97
54) o-xylene	9.77	106	321948	51.244	ug/L	95
55) Styrene	9.79	104	543093	51.209	ug/L	95
56) Isopropylbenzene	10.16	105	843958	52.409	ug/L	98
58) 1,1,1,2,2-Tetrachloroethane	10.45	83	375479	56.350	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	293981	57.489	ug/L	100
61) Bromoform	9.95	173	157336	47.777	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	372334	47.363	ug/L	96
63) 1,4-Dichlorobenzene	11.50	146	382560	48.535	ug/L	97
65) 1,2-Dichlorobenzene	11.87	146	386289	46.716	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	69213	43.870	ug/L	97
67) 1,3,5-Trichlorobenzene	12.88	180	292594	49.733	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	250256	52.491	ug/L	98
69) Naphthalene	13.74	128	810103	54.153	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	260923	50.394	ug/L	98

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

