

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU040719\
 Data File : VU030817.D
 Acq On : 06 Apr 2019 21:40
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05054

Quant Time: Apr 08 05:08:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Apr 08 05:01:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	488499	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	477710	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	221038	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	216436	49.63	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	99.26%
7) Chloroethane-d5	1.67	69	180264	54.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	108.94%
11) 1,1-Dichloroethene-d2	2.27	63	411629	52.19	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	104.38%
21) 2-Butanone-d5	4.17	46	390610	113.02	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	113.02%
24) Chloroform-d	4.64	84	372111	55.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	111.72%
26) 1,2-Dichloroethane-d4	5.30	65	245377	53.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.96%
32) Benzene-d6	5.33	84	723904	51.91	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.82%
36) 1,2-Dichloropropane-d6	6.32	67	250273	52.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	104.74%
41) Toluene-d8	7.56	98	657383	53.18	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.36%
43) trans-1,3-Dichloropropene-	7.85	79	111777	51.29	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	102.58%
47) 2-Hexanone-d5	8.31	63	239216	109.51	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	109.51%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	341037	52.90	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	105.80%
64) 1,2-Dichlorobenzene-d4	11.85	152	228924	52.66	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.32%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	210103	48.964	ug/L 99
3) Chloromethane	1.32	50	276557	49.828	ug/L 100
5) Vinyl chloride	1.40	62	269471	50.156	ug/L 96
6) Bromomethane	1.62	94	133367	47.913	ug/L 100
8) Chloroethane	1.69	64	158697	51.788	ug/L 98
9) Trichlorofluoromethane	1.88	101	324614	51.853	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	171554	49.045	ug/L 98
12) 1,1-Dichloroethene	2.28	96	174514	51.681	ug/L 94
13) Acetone	2.32	43	282391	79.849	ug/L 98
14) Carbon disulfide	2.47	76	511841	48.793	ug/L 100
15) Methyl Acetate	2.61	43	298437	54.426	ug/L 96
16) Methylene chloride	2.69	84	209993	51.192	ug/L 98
17) trans-1,2-Dichloroethene	2.98	96	178616	49.818	ug/L 98
18) Methyl tert-butyl Ether	2.99	73	618802	51.524	ug/L 99
19) 1,1-Dichloroethane	3.44	63	392045	52.985	ug/L 99
20) cis-1,2-Dichloroethene	4.22	96	200594	50.670	ug/L 98
22) 2-Butanone	4.26	43	421713	101.703	ug/L 96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	99042	52.918	ug/L	98
25) Chloroform	4.67	83	383897	51.622	ug/L	100
27) 1,2-Dichloroethane	5.40	62	305192	53.770	ug/L	97
29) Cyclohexane	4.99	56	332225	48.794	ug/L	99
30) 1,1,1-Trichloroethane	4.91	97	312232	53.631	ug/L	99
31) Carbon tetrachloride	5.13	117	258477	51.521	ug/L	99
33) Benzene	5.38	78	828431	52.993	ug/L	100
34) Trichloroethene	6.18	95	200056	52.177	ug/L	98
35) Methylcyclohexane	6.41	83	291324	49.233	ug/L	100
37) 1,2-Dichloropropane	6.43	63	234389	52.950	ug/L	100
38) Bromodichloromethane	6.75	83	277951	52.050	ug/L	98
39) cis-1,3-Dichloropropene	7.26	75	326113	51.759	ug/L	97
40) 4-Methyl-2-pentanone	7.46	43	780262	109.613	ug/L	100
42) Toluene	7.63	91	845937	53.012	ug/L	100
44) trans-1,3-Dichloropropene	7.87	75	293049	52.778	ug/L	99
45) 1,1,2-Trichloroethane	8.06	97	199314	53.091	ug/L	97
46) Tetrachloroethene	8.22	164	139116	49.906	ug/L	97
48) 2-Hexanone	8.36	43	616987	111.096	ug/L	99
49) Dibromochloromethane	8.47	129	207029	51.971	ug/L	100
50) 1,2-Dibromoethane	8.58	107	213296	52.505	ug/L	98
51) Chlorobenzene	9.12	112	503629	51.459	ug/L	98
52) Ethylbenzene	9.25	91	900216	51.754	ug/L	99
53) m,p-Xylene	9.37	106	319953	52.742	ug/L	95
54) o-xylene	9.77	106	317839	52.673	ug/L	96
55) Styrene	9.79	104	558663	53.976	ug/L	99
56) Isopropylbenzene	10.16	105	837404	52.709	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.45	83	357593	52.661	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	287716	54.270	ug/L	99
61) Bromoform	9.95	173	151151	51.764	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	355169	50.841	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	357714	50.340	ug/L	98
65) 1,2-Dichlorobenzene	11.87	146	368313	52.560	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	80863	54.282	ug/L	95
67) 1,3,5-Trichlorobenzene	12.88	180	258618	50.656	ug/L	97
68) 1,2,4-trichlorobenzene	13.50	180	216110	49.786	ug/L	98
69) Naphthalene	13.74	128	759310	53.959	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	242365	53.440	ug/L	97

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

