

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041719\
 Data File : VU031219.D
 Acq On : 16 Apr 2019 18:27
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05038

Quant Time: Apr 17 04:12:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Apr 17 02:53:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	560728	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	520151	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	243677	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	222074	43.01	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	86.02%
7) Chloroethane-d5	1.68	69	211443	47.16	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.32%
11) 1,1-Dichloroethene-d2	2.27	63	446015	43.60	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.20%
21) 2-Butanone-d5	4.19	46	363809	96.73	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	96.73%
24) Chloroform-d	4.64	84	392266	45.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.06%
26) 1,2-Dichloroethane-d4	5.31	65	241307	45.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.96%
32) Benzene-d6	5.34	84	782897	47.61	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.22%
36) 1,2-Dichloropropane-d6	6.32	67	258386	48.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.84%
41) Toluene-d8	7.56	98	713368	49.30	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.60%
43) trans-1,3-Dichloropropene-	7.85	79	123554	48.43	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.86%
47) 2-Hexanone-d5	8.31	63	258642	102.66	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	102.66%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	350587	47.32	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.64%
64) 1,2-Dichlorobenzene-d4	11.86	152	258688	46.29	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.58%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.20	85	241302	46.623	ug/L	100
3) Chloromethane	1.32	50	278309	45.144	ug/L	99
5) Vinyl chloride	1.40	62	275120	44.837	ug/L	95
6) Bromomethane	1.63	94	187881	46.603	ug/L	99
8) Chloroethane	1.70	64	179903	45.602	ug/L	98
9) Trichlorofluoromethane	1.88	101	399955	46.821	ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	201638	45.127	ug/L	99
12) 1,1-Dichloroethene	2.28	96	193945	44.254	ug/L	98
13) Acetone	2.34	43	250527	86.558	ug/L	96
14) Carbon disulfide	2.48	76	554427	46.699	ug/L	99
15) Methyl Acetate	2.62	43	253171	50.276	ug/L	100
16) Methylene chloride	2.70	84	210798	49.293	ug/L	98
17) trans-1,2-Dichloroethene	2.98	96	195847	49.047	ug/L	97
18) Methyl tert-butyl Ether	2.99	73	622194	49.484	ug/L	100
19) 1,1-Dichloroethane	3.44	63	379891	47.863	ug/L	98
20) cis-1,2-Dichloroethene	4.22	96	214745	46.211	ug/L	94
22) 2-Butanone	4.27	43	369623	93.187	ug/L	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	104198	45.260	ug/L	95
25) Chloroform	4.67	83	374504	46.004	ug/L	98
27) 1,2-Dichloroethane	5.40	62	288136	46.535	ug/L	98
29) Cyclohexane	4.99	56	353041	48.255	ug/L	98
30) 1,1,1-Trichloroethane	4.91	97	315544	45.846	ug/L	99
31) Carbon tetrachloride	5.13	117	275180	46.210	ug/L	100
33) Benzene	5.39	78	826471	47.240	ug/L	100
34) Trichloroethene	6.18	95	207447	47.391	ug/L	98
35) Methylcyclohexane	6.41	83	311306	47.769	ug/L	100
37) 1,2-Dichloropropane	6.43	63	216431	46.713	ug/L	99
38) Bromodichloromethane	6.75	83	282808	48.024	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	341734	49.219	ug/L	98
40) 4-Methyl-2-pentanone	7.46	43	668093	102.205	ug/L	100
42) Toluene	7.63	91	869795	49.981	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	295626	49.038	ug/L	100
45) 1,1,2-Trichloroethane	8.06	97	201641	48.355	ug/L	98
46) Tetrachloroethene	8.22	164	154932	47.057	ug/L	98
48) 2-Hexanone	8.36	43	543232	104.489	ug/L	98
49) Dibromochloromethane	8.47	129	216093	47.943	ug/L	96
50) 1,2-Dibromoethane	8.58	107	213619	48.488	ug/L	98
51) Chlorobenzene	9.12	112	523605	48.141	ug/L	99
52) Ethylbenzene	9.25	91	913055	48.195	ug/L	99
53) m,p-Xylene	9.37	106	335695	50.212	ug/L	99
54) o-xylene	9.77	106	327370	48.354	ug/L	94
55) Styrene	9.79	104	569284	49.813	ug/L	100
56) Isopropylbenzene	10.16	105	867617	49.997	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	339070	47.221	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	263451	47.808	ug/L	99
61) Bromoform	9.95	173	158392	46.952	ug/L	97
62) 1,3-Dichlorobenzene	11.41	146	384717	47.772	ug/L	97
63) 1,4-Dichlorobenzene	11.50	146	383332	47.475	ug/L	98
65) 1,2-Dichlorobenzene	11.87	146	401762	47.430	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	77114	47.714	ug/L	95
67) 1,3,5-Trichlorobenzene	12.88	180	294253	48.824	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	249874	51.162	ug/L	97
69) Naphthalene	13.74	128	835263	54.505	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	272919	51.455	ug/L	97

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

