

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041119\
 Data File : VU031125.D
 Acq On : 12 Apr 2019 13:13
 Operator : JC/SP
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 117 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05032

Quant Time: Apr 12 23:38:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Apr 12 23:21:49 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	498072	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	485904	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	240087	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	225090	50.63	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	101.26%
7) Chloroethane-d5	1.67	69	173928	51.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	103.08%
11) 1,1-Dichloroethene-d2	2.27	63	385213	47.90	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.80%
21) 2-Butanone-d5	4.17	46	351096	99.63	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.63%
24) Chloroform-d	4.64	84	360609	53.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.18%
26) 1,2-Dichloroethane-d4	5.30	65	229400	49.50	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.00%
32) Benzene-d6	5.33	84	720753	50.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.62%
36) 1,2-Dichloropropane-d6	6.32	67	238642	49.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.18%
41) Toluene-d8	7.56	98	646782	51.44	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.88%
43) trans-1,3-Dichloropropene-	7.85	79	110071	49.66	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.32%
47) 2-Hexanone-d5	8.31	63	218809	98.48	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.48%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	331853	50.61	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.22%
64) 1,2-Dichlorobenzene-d4	11.86	152	237692	50.34	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.68%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	208185	47.585	ug/L 100
3) Chloromethane	1.32	50	248942	43.990	ug/L 99
5) Vinyl chloride	1.40	62	255966	46.726	ug/L 94
6) Bromomethane	1.62	94	130638	46.030	ug/L 95
8) Chloroethane	1.69	64	153142	49.015	ug/L 99
9) Trichlorofluoromethane	1.88	101	331932	52.003	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	174266	48.863	ug/L 98
12) 1,1-Dichloroethene	2.28	96	165359	48.029	ug/L 91
13) Acetone	2.32	43	349263	96.860	ug/L 99
14) Carbon disulfide	2.47	76	480985	44.971	ug/L 99
15) Methyl Acetate	2.61	43	277392	49.615	ug/L 100
16) Methylene chloride	2.69	84	209713	50.141	ug/L 94
17) trans-1,2-Dichloroethene	2.98	96	178825	48.917	ug/L 96
18) Methyl tert-butyl Ether	2.99	73	611716	49.955	ug/L 99
19) 1,1-Dichloroethane	3.44	63	375053	49.714	ug/L 99
20) cis-1,2-Dichloroethene	4.22	96	211061	52.289	ug/L 91
22) 2-Butanone	4.25	43	430402	101.803	ug/L 91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	103184	54.072	ug/L	92
25) Chloroform	4.67	83	383912	50.632	ug/L	100
27) 1,2-Dichloroethane	5.40	62	297844	51.467	ug/L	98
29) Cyclohexane	4.99	56	323280	46.680	ug/L	94
30) 1,1,1-Trichloroethane	4.91	97	312084	52.702	ug/L	99
31) Carbon tetrachloride	5.13	117	270578	53.024	ug/L	100
33) Benzene	5.38	78	808810	50.866	ug/L	100
34) Trichloroethene	6.18	95	198651	50.937	ug/L	94
35) Methylcyclohexane	6.41	83	306009	50.843	ug/L	96
37) 1,2-Dichloropropane	6.43	63	221055	49.096	ug/L	100
38) Bromodichloromethane	6.75	83	280973	51.728	ug/L	99
39) cis-1,3-Dichloropropene	7.26	75	332452	51.876	ug/L	100
40) 4-Methyl-2-pentanone	7.45	43	709101	97.936	ug/L	98
42) Toluene	7.63	91	847839	52.235	ug/L	100
44) trans-1,3-Dichloropropene	7.87	75	301492	53.383	ug/L	99
45) 1,1,2-Trichloroethane	8.06	97	199240	52.176	ug/L	96
46) Tetrachloroethene	8.23	164	151217	53.332	ug/L	99
48) 2-Hexanone	8.36	43	576305	102.021	ug/L	96
49) Dibromochloromethane	8.47	129	216384	53.403	ug/L	99
50) 1,2-Dibromoethane	8.58	107	213707	51.719	ug/L	97
51) Chlorobenzene	9.12	112	524906	52.728	ug/L	96
52) Ethylbenzene	9.24	91	911002	51.491	ug/L	100
53) m,p-Xylene	9.37	106	325765	52.794	ug/L	99
54) o-xylene	9.77	106	325258	52.993	ug/L	100
55) Styrene	9.79	104	580442	55.134	ug/L	100
56) Isopropylbenzene	10.16	105	864779	53.515	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.45	83	354206	51.282	ug/L	98
59) 1,2,3-Trichloropropane	10.49	75	282520	52.391	ug/L	98
61) Bromoform	9.95	173	160758	50.686	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	379477	50.010	ug/L	97
63) 1,4-Dichlorobenzene	11.50	146	389990	50.528	ug/L	98
65) 1,2-Dichlorobenzene	11.87	146	394019	51.767	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	76048	47.000	ug/L	95
67) 1,3,5-Trichlorobenzene	12.88	180	280223	50.533	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	238926	50.675	ug/L	99
69) Naphthalene	13.74	128	771723	50.490	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	255169	51.799	ug/L	98

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

