

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041719\
 Data File : VU031243.D
 Acq On : 17 Apr 2019 05:11
 Operator : JC/SP
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05039

Quant Time: Apr 17 05:54:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Apr 17 04:13:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	465304	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	477472	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	208896	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	256085	59.76	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	119.52%
7) Chloroethane-d5	1.68	69	200890	54.00	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	108.00%
11) 1,1-Dichloroethene-d2	2.27	63	449708	52.98	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	105.96%
21) 2-Butanone-d5	4.19	46	364796	116.89	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	116.89%
24) Chloroform-d	4.64	84	380749	53.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.50%
26) 1,2-Dichloroethane-d4	5.31	65	236308	53.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.34%
32) Benzene-d6	5.34	84	725641	48.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.14%
36) 1,2-Dichloropropane-d6	6.33	67	221112	45.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	90.28%
41) Toluene-d8	7.56	98	683412	51.45	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.90%
43) trans-1,3-Dichloropropene-	7.85	79	111749	47.72	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.44%
47) 2-Hexanone-d5	8.31	63	251718	108.85	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	108.85%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	314098	46.18	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.36%
64) 1,2-Dichlorobenzene-d4	11.85	152	229489	47.90	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	221966	51.682	ug/L 98
3) Chloromethane	1.32	50	285235	55.756	ug/L 100
5) Vinyl chloride	1.40	62	315336	61.930	ug/L 99
6) Bromomethane	1.63	94	172605	51.594	ug/L 99
8) Chloroethane	1.70	64	177107	54.100	ug/L 98
9) Trichlorofluoromethane	1.88	101	375885	53.028	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	193836	52.277	ug/L 99
12) 1,1-Dichloroethene	2.28	96	194217	53.405	ug/L 91
13) Acetone	2.34	43	264355	110.067	ug/L 99
14) Carbon disulfide	2.48	76	504858	51.244	ug/L 99
15) Methyl Acetate	2.62	43	222845	53.329	ug/L 99
16) Methylene chloride	2.70	84	186691	52.608	ug/L 97
17) trans-1,2-Dichloroethene	2.98	96	159543	48.149	ug/L 99
18) Methyl tert-butyl Ether	2.99	73	533358	51.118	ug/L 99
19) 1,1-Dichloroethane	3.44	63	328391	49.860	ug/L 98
20) cis-1,2-Dichloroethene	4.22	96	202502	52.513	ug/L 93
22) 2-Butanone	4.27	43	350468	106.478	ug/L 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	104432	54.664	ug/L	98
25) Chloroform	4.67	83	360382	53.347	ug/L	99
27) 1,2-Dichloroethane	5.40	62	271768	52.892	ug/L	100
29) Cyclohexane	4.99	56	351341	52.315	ug/L	100
30) 1,1,1-Trichloroethane	4.91	97	325394	51.503	ug/L	98
31) Carbon tetrachloride	5.13	117	263918	48.280	ug/L	98
33) Benzene	5.39	78	770174	47.957	ug/L	100
34) Trichloroethene	6.18	95	173986	43.299	ug/L	99
35) Methylcyclohexane	6.41	83	251752	42.083	ug/L	100
37) 1,2-Dichloropropane	6.43	63	189885	44.647	ug/L	99
38) Bromodichloromethane	6.75	83	295728	54.706	ug/L	98
39) cis-1,3-Dichloropropene	7.27	75	319618	50.148	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	735126	122.513	ug/L	100
42) Toluene	7.63	91	831348	52.042	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	275453	49.776	ug/L	96
45) 1,1,2-Trichloroethane	8.06	97	209978	54.855	ug/L	98
46) Tetrachloroethene	8.22	164	147716	48.876	ug/L	97
48) 2-Hexanone	8.36	43	527440	110.519	ug/L	97
49) Dibromochloromethane	8.47	129	209093	50.537	ug/L	97
50) 1,2-Dibromoethane	8.58	107	199219	49.262	ug/L	96
51) Chlorobenzene	9.12	112	461801	46.254	ug/L	98
52) Ethylbenzene	9.25	91	789004	45.370	ug/L	100
53) m,p-Xylene	9.37	106	293011	47.745	ug/L	100
54) o-xylene	9.77	106	287016	46.183	ug/L	98
55) Styrene	9.79	104	495097	47.193	ug/L	99
56) Isopropylbenzene	10.16	105	748792	47.007	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.45	83	303437	46.035	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	242783	47.995	ug/L	99
61) Bromoform	9.95	173	141848	49.049	ug/L	97
62) 1,3-Dichlorobenzene	11.41	146	316522	45.848	ug/L	98
63) 1,4-Dichlorobenzene	11.50	146	330322	47.721	ug/L	98
65) 1,2-Dichlorobenzene	11.87	146	342448	47.159	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	84105	60.705	ug/L	92
67) 1,3,5-Trichlorobenzene	12.88	180	267299	51.736	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	221190	52.830	ug/L	97
69) Naphthalene	13.74	128	818426	62.299	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	262946	57.829	ug/L	97

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

