

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092419\
 Data File : VU034765.D
 Acq On : 24 Sep 2019 12:09
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05043

Quant Time: Sep 25 02:58:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Sep 24 03:36:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	486731	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	458680	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	221933	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	197871	39.71	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	79.42%
7) Chloroethane-d5	1.67	69	166409	43.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	86.42%
11) 1,1-Dichloroethene-d2	2.26	63	352098	41.73	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.46%
21) 2-Butanone-d5	4.15	46	372563	97.56	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	97.56%
24) Chloroform-d	4.62	84	339762	46.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.80%
26) 1,2-Dichloroethane-d4	5.28	65	229636	43.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.24%
32) Benzene-d6	5.32	84	688141	48.40	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.80%
36) 1,2-Dichloropropane-d6	6.31	67	244579	49.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.44%
41) Toluene-d8	7.54	98	665095	49.17	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.34%
43) trans-1,3-Dichloropropene-	7.83	79	111251	46.75	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.50%
47) 2-Hexanone-d5	8.29	63	250492	100.37	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.37%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	333329	48.34	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.68%
64) 1,2-Dichlorobenzene-d4	11.84	152	228321	49.06	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.12%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	209465	41.754	ug/L 99
3) Chloromethane	1.32	50	258522	43.022	ug/L 99
5) Vinyl chloride	1.40	62	243784	44.419	ug/L 97
6) Bromomethane	1.62	94	140392	46.837	ug/L 93
8) Chloroethane	1.69	64	142178	44.999	ug/L 98
9) Trichlorofluoromethane	1.87	101	304518	44.005	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	153765	46.343	ug/L 98
12) 1,1-Dichloroethene	2.27	96	148160	46.525	ug/L 92
13) Acetone	2.31	43	275077	61.921	ug/L 99
14) Carbon disulfide	2.46	76	478593	44.541	ug/L 100
15) Methyl Acetate	2.60	43	263803	44.455	ug/L 98
16) Methylene chloride	2.68	84	183283	45.436	ug/L 93
17) trans-1,2-Dichloroethene	2.96	96	165724	47.598	ug/L 90
18) Methyl tert-butyl Ether	2.98	73	575927	44.587	ug/L 97
19) 1,1-Dichloroethane	3.42	63	351182	43.968	ug/L 99
20) cis-1,2-Dichloroethene	4.20	96	194082	47.674	ug/L 90
22) 2-Butanone	4.23	43	409139	77.415	ug/L 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.52	128	89723	46.046	ug/L	93
25) Chloroform	4.65	83	335965	42.715	ug/L	98
27) 1,2-Dichloroethane	5.38	62	279422	41.126	ug/L	97
29) Cyclohexane	4.97	56	334315	44.158	ug/L	96
30) 1,1,1-Trichloroethane	4.89	97	273009	43.732	ug/L	97
31) Carbon tetrachloride	5.11	117	236028	44.362	ug/L	97
33) Benzene	5.36	78	769276	48.357	ug/L	100
34) Trichloroethene	6.16	95	187087	47.619	ug/L	96
35) Methylcyclohexane	6.39	83	312279	46.838	ug/L	95
37) 1,2-Dichloropropane	6.41	63	219203	46.276	ug/L	100
38) Bromodichloromethane	6.73	83	258188	44.945	ug/L	98
39) cis-1,3-Dichloropropene	7.25	75	332188	46.673	ug/L	100
40) 4-Methyl-2-pentanone	7.44	43	784220	86.717	ug/L	95
42) Toluene	7.61	91	822241	47.826	ug/L	98
44) trans-1,3-Dichloropropene	7.86	75	296427	46.199	ug/L	99
45) 1,1,2-Trichloroethane	8.04	97	180722	47.631	ug/L	96
46) Tetrachloroethene	8.21	164	132039	47.779	ug/L	98
48) 2-Hexanone	8.34	43	597104	84.538	ug/L	96
49) Dibromochloromethane	8.45	129	200028	47.297	ug/L	95
50) 1,2-Dibromoethane	8.56	107	200197	48.957	ug/L	99
51) Chlorobenzene	9.10	112	509066	48.709	ug/L	96
52) Ethylbenzene	9.23	91	911661	47.090	ug/L	99
53) m,p-Xylene	9.35	106	336303	49.044	ug/L	99
54) o-xylene	9.76	106	330501	48.729	ug/L	97
55) Styrene	9.77	104	566239	49.322	ug/L	98
56) Isopropylbenzene	10.14	105	867128	47.416	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.43	83	341797	46.901	ug/L	99
59) 1,2,3-Trichloropropane	10.47	75	258859	43.754	ug/L	97
61) Bromoform	9.94	173	139012	45.494	ug/L	98
62) 1,3-Dichlorobenzene	11.39	146	372168	48.423	ug/L	98
63) 1,4-Dichlorobenzene	11.48	146	375650	47.980	ug/L	97
65) 1,2-Dichlorobenzene	11.86	146	369042	47.522	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.63	75	73642	44.614	ug/L	94
67) 1,3,5-Trichlorobenzene	12.86	180	252032	48.942	ug/L	96
68) 1,2,4-trichlorobenzene	13.48	180	214662	53.009	ug/L	99
69) Naphthalene	13.72	128	755452	53.888	ug/L	100
70) 1,2,3-Trichlorobenzene	13.96	180	211041	50.648	ug/L	96

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

