

Triggered Sample Results at all PRAMP Stations (842, 986, and Reno) for the year of 2017

Station		Reno	986	Reno ¹	Reno ²	Reno	Reno
Sampled Date (MM/DD/YYYY)		2017-02-14	2017-02-16	2017-03-26	2017-07-21	2017-09-07	2017-10-26
Sampled Time		16:40	20:10	16:20	21:00	20:00	20:20
Parameter	Unit	Result	Result	Result	Result	Result	Result
1-Butene	ppmv	0.18	< 0.19	< 0.13	< 0.13	< 0.14	< 0.14
Acetylene	ppmv	0.3	< 0.4	< 0.3	< 0.3	< 0.3	< 0.3
cis-2-Butene	ppmv	0.6	< 0.2	< 0.1	< 0.1	< 0.1	< 0.1
Ethane	ppmv	0.4	< 0.2	0.2	< 0.1	< 0.1	< 0.1
Ethylacetylene	ppmv	0.42	< 0.11	< 0.08	< 0.08	< 0.08	< 0.08
Ethylene	ppmv	< 0.3	< 0.4	< 0.3	< 0.3	< 0.3	< 0.3
Isobutane	ppmv	0.5	< 0.2	< 0.1	< 0.1	< 0.1	< 0.1
Isobutylene	ppmv	0.4	< 0.2	< 0.1	< 0.1	< 0.1	< 0.1
Methane	ppmv	4.6	< 0.2	< 0.1	2.1	3.1	3.0
n-Butane	ppmv	1.1	< 0.4	< 0.3	< 0.3	< 0.3	< 0.3
n-Propane	ppmv	0.47	< 0.13	< 0.09	< 0.09	< 0.10	< 0.09
Propylene	ppmv	0.4	< 0.2	< 0.1	< 0.1	< 0.1	< 0.1
Propyne	ppmv	0.5	< 0.2	< 0.1	< 0.1	< 0.1	< 0.1
trans-2-Butene	ppmv	0.41	< 0.17	< 0.12	< 0.12	< 0.12	< 0.12
2,5-Dimethylthiophene	ppbv	< 1.2	< 0.6	< 0.4	< 0.4	< 0.4	< 0.4
2-Ethylthiophene	ppbv	< 1.4	< 0.4	< 0.3	< 0.3	< 0.3	< 0.3
2-Methylthiophene	ppbv	< 1.1	< 0.4	< 0.3	0.7	< 0.3	< 0.3
3-Methylthiophene	ppbv	< 0.7	< 0.6	< 0.4	< 0.4	< 0.4	< 0.4
Butyl mercaptan	ppbv	< 1.1	< 0.6	< 0.4	< 0.4	< 0.4	< 0.4
Carbon disulphide	ppbv	< 0.8	< 0.4	< 0.3	< 0.3	0.3	< 0.3
Carbonyl sulphide	ppbv	< 1.4	10.3	< 0.4	6.8	1.3	1.9
Dimethyl disulphide	ppbv	< 1.1	< 0.4	< 0.3	< 0.3	< 0.3	< 0.3
Dimethyl sulphide	ppbv	< 1.0	< 0.4	< 0.3	< 0.3	0.9	< 0.3
Ethyl mercaptan	ppbv	< 0.8	< 0.6	< 0.4	< 0.4	< 0.4	< 0.4
Ethyl sulphide	ppbv	< 1.2	< 0.6	< 0.4	< 0.4	< 0.4	< 0.4
Hydrogen sulphide	ppbv	< 1.0	< 0.2	1	1.4	< 0.1	0.4
Isobutyl mercaptan	ppbv	< 1.1	< 0.6	< 0.4	< 0.4	< 0.4	< 0.4
Isopropyl mercaptan	ppbv	< 1.2	< 0.6	1.3	< 0.4	< 0.4	< 0.4
Methyl mercaptan	ppbv	< 1.2	< 0.4	< 0.3	< 0.3	< 0.3	< 0.3
Pentyl mercaptan	ppbv	< 0.05	< 0.8	< 0.5	< 0.5	< 0.6	< 0.5
Propyl mercaptan	ppbv	< 1.4	< 0.8	< 0.5	< 0.5	< 0.6	< 0.5
tert-Butyl mercaptan	ppbv	< 1.2	< 0.6	< 0.4	< 0.4	< 0.4	< 0.4
Thiophene	ppbv	< 1.0	< 0.4	0.6	< 0.3	< 0.3	< 0.3
1,1,1-Trichloroethane	ppbv	< 0.03	< 0.04	< 0.03	< 0.03	< 0.03	< 0.03
1,1,2,2-Tetrachloroethane	ppbv	< 0.03	< 0.04	< 0.03	< 0.03	< 0.03	< 0.03
1,1,2-Trichloroethane	ppbv	< 0.03	0.17	< 0.03	< 0.03	< 0.03	< 0.03
1,1-Dichloroethane	ppbv	< 0.03	< 0.04	< 0.03	< 0.03	< 0.03	< 0.03
1,1-Dichloroethylene	ppbv	< 0.05	< 0.08	< 0.05	< 0.05	< 0.06	< 0.05
1,2,3-Trimethylbenzene	ppbv	< 0.07	< 0.09	< 0.07	< 0.07	< 0.07	< 0.07
1,2,4-Trichlorobenzene	ppbv	< 1.1	< 1.5	< 1.1	< 1.1	< 1.1	< 1.1
1,2,4-Trimethylbenzene	ppbv	< 0.07	< 0.09	< 0.07	0.29	0.09	< 0.07
1,2-Dibromoethane	ppbv	< 0.03	< 0.04	< 0.03	< 0.03	< 0.03	< 0.03
1,2-Dichlorobenzene	ppbv	< 0.04	< 0.06	< 0.04	< 0.04	< 0.04	< 0.04
1,2-Dichloroethane	ppbv	0.02	0.02	0.02	< 0.01	0.02	< 0.01
1,2-Dichloropropane	ppbv	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01
1,3,5-Trimethylbenzene	ppbv	0.04	< 0.04	< 0.03	< 0.03	0.04	< 0.03
1,3-Butadiene	ppbv	< 0.03	< 0.04	< 0.03	< 0.03	< 0.03	0.28
1,3-Dichlorobenzene	ppbv	< 0.4	< 0.6	< 0.4	< 0.4	< 0.4	< 0.4
1,4-Dichlorobenzene	ppbv	< 0.5	< 0.8	< 0.5	< 0.5	< 0.6	< 0.5

Station		Reno	986	Reno ¹	Reno ²	Reno	Reno
Sampled Date (MM/DD/YYYY)		2017-02-14	2017-02-16	2017-03-26	2017-07-21	2017-09-07	2017-10-26
Sampled Time		16:40	20:10	16:20	21:00	20:00	20:20
Parameter	Unit	Result	Result	Result	Result	Result	Result
1,4-Dioxane	ppbv	< 0.5	< 0.8	< 0.5	< 0.5	< 0.6	< 0.5
1-Butene	ppbv	0.45	0.50	0.08	< 0.03	0.07	0.73
1-Hexene	ppbv	< 0.03	0.09	< 0.03	< 0.03	< 0.03	0.08
1-Pentene	ppbv	< 0.01	0.02	< 0.01	0.02	< 0.01	0.12
2,2,4-Trimethylpentane	ppbv	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01
2,2-Dimethylbutane	ppbv	0.04	0.03	0.05	< 0.01	0.12	< 0.01
2,3,4-Trimethylpentane	ppbv	< 0.01	< 0.02	< 0.01	< 0.01	0.02	< 0.01
2,3-Dimethylbutane	ppbv	0.10	< 0.04	0.07	0.04	0.35	0.04
2,3-Dimethylpentane	ppbv	0.10	< 0.04	0.04	< 0.03	0.29	< 0.03
2,4-Dimethylpentane	ppbv	0.03	< 0.02	0.02	< 0.01	0.10	< 0.01
2-Methylheptane	ppbv	0.06	< 0.02	0.03	< 0.01	0.06	< 0.01
2-Methylhexane	ppbv	0.10	< 0.02	0.12	< 0.01	0.21	< 0.01
2-Methylpentane	ppbv	0.30	0.39	0.53	0.02	0.97	0.06
3-Methylheptane	ppbv	0.04	< 0.04	< 0.03	< 0.03	0.06	< 0.03
3-Methylhexane	ppbv	0.14	0.04	0.13	< 0.03	0.32	< 0.03
3-Methylpentane	ppbv	0.27	0.30	0.3	< 0.01	0.74	0.04
Acetone	ppbv	2.5	4.7	3.4	3.3	6.4	4.1
Acrolein	ppbv	< 0.4	< 0.6	< 0.4	< 0.4	< 0.4	0.8
Benzene	ppbv	0.15	0.29	0.14	0.09	0.39	1.57
Benzyl chloride	ppbv	< 0.5	< 0.8	< 0.5	< 0.5	< 0.6	< 0.5
Bromodichloromethane	ppbv	< 0.03	< 0.04	< 0.03	< 0.03	< 0.03	< 0.03
Bromoform	ppbv	< 0.03	< 0.04	< 0.03	< 0.03	< 0.03	< 0.03
Bromomethane	ppbv	< 0.01	< 0.02	0.01	0.01	0.02	< 0.01
Carbon disulfide	ppbv	< 0.01	0.22	0.04	1.09	0.46	0.02
Carbon tetrachloride	ppbv	0.12	0.11	0.08	0.09	0.09	0.08
Chlorobenzene	ppbv	< 0.03	< 0.04	< 0.03	< 0.03	< 0.03	< 0.03
Chloroethane	ppbv	< 0.03	< 0.04	< 0.03	< 0.03	< 0.03	< 0.03
Chloroform	ppbv	< 0.03	< 0.04	< 0.03	< 0.03	< 0.03	< 0.03
Chloromethane	ppbv	0.57	0.60	0.63	0.34	0.55	0.59
cis-1,2-Dichloroethene	ppbv	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01
cis-1,3-Dichloropropene	ppbv	< 0.05	< 0.08	< 0.05	< 0.05	< 0.06	< 0.05
cis-2-Butene	ppbv	0.04	0.05	< 0.03	< 0.03	< 0.03	0.13
cis-2-Pentene	ppbv	< 0.03	< 0.04	< 0.03	< 0.03	< 0.03	0.04
Cyclohexane	ppbv	0.25	0.10	0.17	< 0.03	0.69	0.05
Cyclopentane	ppbv	0.09	0.15	0.13	< 0.01	0.21	0.04
Dibromochloromethane	ppbv	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01
Ethanol	ppbv	1.9	1.6	< 0.4	< 0.4	2.2	0.6
Ethyl acetate	ppbv	< 0.5	< 0.8	< 0.5	< 0.5	< 0.6	< 0.5
Ethylbenzene	ppbv	0.05	< 0.02	< 0.01	< 0.01	0.05	0.06
Freon-11	ppbv	0.35	0.31	0.23	0.29	0.31	0.29
Freon-113	ppbv	0.12	0.12	0.09	0.08	0.08	0.08
Freon-114	ppbv	< 0.03	< 0.04	< 0.03	< 0.03	< 0.03	< 0.03
Freon-12	ppbv	0.74	0.64	0.41	0.60	0.66	0.58
Hexachloro-1,3-butadiene	ppbv	< 0.68	< 0.94	< 0.67	< 0.66	< 0.69	< 0.68
Isobutane	ppbv	1.36	1.02	8.37	0.30	2.38	0.95
Isopentane	ppbv	0.95	2.91	3.59	0.17	2.50	0.49
Isoprene	ppbv	< 0.01	< 0.02	< 0.01	< 0.01	3.18	0.07
Isopropyl alcohol	ppbv	< 0.5	< 0.8	< 0.5	< 0.5	< 0.6	< 0.5
Isopropylbenzene	ppbv	0.02	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01
m,p-Xylene	ppbv	0.31	0.06	< 0.04	< 0.04	0.09	0.10
m-Diethylbenzene	ppbv	< 0.05	< 0.08	< 0.05	< 0.05	< 0.06	< 0.05

Station		Reno	986	Reno ¹	Reno ²	Reno	Reno
Sampled Date (MM/DD/YYYY)		2017-02-14	2017-02-16	2017-03-26	2017-07-21	2017-09-07	2017-10-26
Sampled Time		16:40	20:10	16:20	21:00	20:00	20:20
Parameter	Unit	Result	Result	Result	Result	Result	Result
m-Ethyltoluene	ppbv	< 0.4	< 0.15	< 0.11	< 0.11	< 0.11	< 0.11
Methyl butyl ketone	ppbv	< 0.68	< 0.94	< 0.67	< 0.66	< 0.69	< 0.68
Methyl ethyl ketone	ppbv	< 0.4	< 0.6	< 0.4	0.4	0.7	0.5
Methyl isobutyl ketone	ppbv	< 0.5	4.8	< 0.5	< 0.5	< 0.6	< 0.5
Methyl methacrylate	ppbv	< 0.10	< 0.13	< 0.09	< 0.09	< 0.10	< 0.09
Methyl tert butyl ether	ppbv	< 0.04	0.13	< 0.04	< 0.04	< 0.04	< 0.04
Methylcyclohexane	ppbv	0.26	0.06	0.18	< 0.01	0.80	0.04
Methylcyclopentane	ppbv	0.36	0.42	0.24	< 0.03	0.74	0.07
Methylene chloride	ppbv	< 0.4	< 0.6	< 0.4	< 0.4	< 0.4	< 0.4
n-Butane	ppbv	1.34	6.03	13.4	0.32	2.90	1.47
n-Decane	ppbv	< 0.08	< 0.11	< 0.08	< 0.08	< 0.08	< 0.08
n-Dodecane	ppbv	< 0.5	< 0.8	< 0.5	< 0.5	< 0.6	< 0.5
n-Heptane	ppbv	< 0.01	0.05	0.17	< 0.01	0.11	0.06
n-Hexane	ppbv	0.25	1.04	0.55	0.02	0.38	0.11
n-Nonane	ppbv	0.07	< 0.02	0.02	< 0.01	0.03	0.02
n-Octane	ppbv	0.12	< 0.04	0.05	< 0.03	0.04	0.03
n-Pentane	ppbv	0.5	2.6	2.9	< 0.1	1.0	0.5
n-Propylbenzene	ppbv	< 0.07	< 0.09	< 0.07	< 0.07	< 0.07	< 0.07
n-Undecane	ppbv	< 0.7	< 0.9	< 0.7	< 0.7	< 0.7	< 0.7
Naphthalene	ppbv	< 0.4	< 0.9	< 0.7	< 0.7	< 0.7	< 0.7
o-Ethyltoluene	ppbv	0.02	< 0.02	< 0.01	< 0.01	0.02	0.02
o-Xylene	ppbv	0.10	0.10	0.06	0.02	0.04	0.06
p-Diethylbenzene	ppbv	< 0.05	< 0.08	< 0.05	< 0.05	< 0.06	< 0.05
p-Ethyltoluene	ppbv	< 0.10	< 0.13	< 0.09	< 0.09	< 0.10	< 0.09
Styrene	ppbv	< 0.05	< 0.08	< 0.05	< 0.05	< 0.06	0.06
Tetrachloroethylene	ppbv	< 0.05	< 0.08	< 0.05	< 0.05	< 0.06	< 0.05
Tetrahydrofuran	ppbv	< 0.5	< 0.8	< 0.5	< 0.5	< 0.6	< 0.5
Toluene	ppbv	0.41	0.09	0.08	0.06	0.54	0.66
trans-1,2-Dichloroethylene	ppbv	< 0.01	< 0.02	< 0.01	0.04	< 0.01	< 0.01
trans-1,3-Dichloropropylene	ppbv	< 0.05	< 0.08	< 0.05	< 0.05	< 0.06	< 0.05
trans-2-Butene	ppbv	< 0.01	< 0.02	< 0.01	< 0.01	0.03	0.20
trans-2-Pentene	ppbv	< 0.03	< 0.04	< 0.03	< 0.03	< 0.03	0.05
Trichloroethylene	ppbv	< 0.05	< 0.08	< 0.05	< 0.05	< 0.06	< 0.05
Vinyl acetate	ppbv	< 0.5	< 0.8	< 0.5	< 0.5	< 0.6	< 0.5
Vinyl chloride	ppbv	< 0.03	< 0.04	< 0.03	< 0.03	< 0.03	< 0.03

Note:

1. Canister collected on March 26 is not considered a valid event due to an anomalous spike.
2. Canister sample passed sample hold time. Results may be compromised.