

<p>RESULTS: Karla Reesor 403 807 2995 Peace River Area Monitoring Program Committee</p> <p>INVOICE: Office Manager</p>	<table border="0" style="width: 100%;"> <tr> <td style="width: 30%;">CLIENT SAMPLE ID</td> <td style="width: 20%;">PRAMP_Reno-20171026</td> <td style="width: 20%;">CANISTER ID</td> <td style="width: 20%;">15750</td> <td style="width: 20%;">Matrix</td> <td style="width: 20%;">Ambient Air</td> <td style="width: 20%;">Priority</td> <td style="width: 20%;">Normal</td> </tr> <tr> <td colspan="8">DESCRIPTION:</td> </tr> <tr> <td>DATE SAMPLED:</td> <td>26-Oct-17</td> <td>20:20</td> <td>DATE RECEIVED:</td> <td colspan="4">31-Oct-17</td> </tr> <tr> <td>REPORT CREATED:</td> <td colspan="2">07-Nov-17</td> <td>REPORT NUMBER:</td> <td colspan="4">17100322</td> </tr> <tr> <td></td> <td></td> <td></td> <td>VERSION:</td> <td colspan="4">Version 01</td> </tr> </table>	CLIENT SAMPLE ID	PRAMP_Reno-20171026	CANISTER ID	15750	Matrix	Ambient Air	Priority	Normal	DESCRIPTION:								DATE SAMPLED:	26-Oct-17	20:20	DATE RECEIVED:	31-Oct-17				REPORT CREATED:	07-Nov-17		REPORT NUMBER:	17100322							VERSION:	Version 01			
CLIENT SAMPLE ID	PRAMP_Reno-20171026	CANISTER ID	15750	Matrix	Ambient Air	Priority	Normal																																		
DESCRIPTION:																																									
DATE SAMPLED:	26-Oct-17	20:20	DATE RECEIVED:	31-Oct-17																																					
REPORT CREATED:	07-Nov-17		REPORT NUMBER:	17100322																																					
			VERSION:	Version 01																																					

Lab ID	Parameter	Qualifier	Result	Units	RDL	Method	Analysis Date
17100322-001	1-Butene	K, T, U	< 0.14	ppmv	0.14	NA-025	03-Nov-17
17100322-001	Acetylene	K, T, U	< 0.3	ppmv	0.3	NA-025	03-Nov-17
17100322-001	n-Butane	K, T, U	< 0.3	ppmv	0.3	NA-025	03-Nov-17
17100322-001	cis-2-Butene	K, T, U	< 0.1	ppmv	0.1	NA-025	03-Nov-17
17100322-001	Ethane	K, T, U	< 0.1	ppmv	0.1	NA-025	03-Nov-17
17100322-001	Ethylacetylene	K, T, U	< 0.08	ppmv	0.08	NA-025	03-Nov-17
17100322-001	Ethylene	K, T, U	< 0.3	ppmv	0.3	NA-025	03-Nov-17
17100322-001	Isobutane	K, T, U	< 0.1	ppmv	0.1	NA-025	03-Nov-17
17100322-001	Isobutylene	K, T, U	< 0.1	ppmv	0.1	NA-025	03-Nov-17
17100322-001	Methane		3.0	ppmv	0.1	NA-025	03-Nov-17
17100322-001	n-Propane	K, T, U	< 0.09	ppmv	0.09	NA-025	03-Nov-17
17100322-001	Propylene	K, T, U	< 0.1	ppmv	0.1	NA-025	03-Nov-17
17100322-001	Propyne	K, T, U	< 0.1	ppmv	0.1	NA-025	03-Nov-17
17100322-001	trans-2-Butene	K, T, U	< 0.12	ppmv	0.12	NA-025	03-Nov-17
17100322-001	2,5-Dimethylthiophene	K, T, U	< 0.4	ppbv	0.4	NA-024	01-Nov-17
17100322-001	2-Ethylthiophene	K, T, U	< 0.3	ppbv	0.3	NA-024	01-Nov-17
17100322-001	2-Methylthiophene	K, T, U	< 0.3	ppbv	0.3	NA-024	01-Nov-17
17100322-001	3-Methylthiophene	K, T, U	< 0.4	ppbv	0.4	NA-024	01-Nov-17

CLIENT SAMPLE ID PRAMP_Reno-20171026	CANISTER ID 15750	Matrix Ambient Air	DATE SAMPLED 26-Oct-17 20:20
DESCRIPTION:			
REPORT NUMBER: 17100322	REPORT CREATED: 07-Nov-17	VERSION: Version 01	

Lab ID	Parameter	Qualifier	Result	Units	RDL	Method	Analysis Date
17100322-001	Butyl mercaptan	K, T, U	< 0.4	ppbv	0.4	NA-024	01-Nov-17
17100322-001	Carbon disulphide	K, T, U	< 0.3	ppbv	0.3	NA-024	01-Nov-17
17100322-001	Carbonyl sulphide		1.9	ppbv	0.4	NA-024	01-Nov-17
17100322-001	Dimethyl disulphide	K, T, U	< 0.3	ppbv	0.3	NA-024	01-Nov-17
17100322-001	Dimethyl sulphide	K, T, U	< 0.3	ppbv	0.3	NA-024	01-Nov-17
17100322-001	Ethyl mercaptan	K, T, U	< 0.4	ppbv	0.4	NA-024	01-Nov-17
17100322-001	Ethyl sulphide	K, T, U	< 0.4	ppbv	0.4	NA-024	01-Nov-17
17100322-001	Hydrogen sulphide		0.4	ppbv	0.1	NA-024	01-Nov-17
17100322-001	Isobutyl mercaptan	K, T, U	< 0.4	ppbv	0.4	NA-024	01-Nov-17
17100322-001	Isopropyl mercaptan	K, T, U	< 0.4	ppbv	0.4	NA-024	01-Nov-17
17100322-001	Methyl mercaptan	K, T, U	< 0.3	ppbv	0.3	NA-024	01-Nov-17
17100322-001	Pentyl mercaptan	K, T, U	< 0.5	ppbv	0.5	NA-024	01-Nov-17
17100322-001	Propyl mercaptan	K, T, U	< 0.5	ppbv	0.5	NA-024	01-Nov-17
17100322-001	tert-Butyl mercaptan	K, T, U	< 0.4	ppbv	0.4	NA-024	01-Nov-17
17100322-001	Thiophene	K, T, U	< 0.3	ppbv	0.3	NA-024	01-Nov-17
17100322-001	1,1,1-Trichloroethane	K, T, U	< 0.03	ppbv	0.03	AC-058	02-Nov-17
17100322-001	1,1,2,2-Tetrachloroethane	K, T, U	< 0.03	ppbv	0.03	AC-058	02-Nov-17
17100322-001	1,1,2-Trichloroethane	K, T, U	< 0.03	ppbv	0.03	AC-058	02-Nov-17
17100322-001	1,1-Dichloroethane	K, T, U	< 0.03	ppbv	0.03	AC-058	02-Nov-17
17100322-001	1,1-Dichloroethylene	K, T, U	< 0.05	ppbv	0.05	AC-058	02-Nov-17
17100322-001	1,2,3-Trimethylbenzene	K, T, U	< 0.07	ppbv	0.07	AC-058	02-Nov-17
17100322-001	1,2,4-Trichlorobenzene	K, T, U	< 1.1	ppbv	1.1	AC-058	02-Nov-17
17100322-001	1,2,4-Trimethylbenzene	K, T, U	< 0.07	ppbv	0.07	AC-058	02-Nov-17
17100322-001	1,2-Dibromoethane	K, T, U	< 0.03	ppbv	0.03	AC-058	02-Nov-17
17100322-001	1,2-Dichlorobenzene	K, T, U	< 0.04	ppbv	0.04	AC-058	02-Nov-17

Report certified by: Rebecca Holgate, Account Coordinator

On behalf of: PJ Pretorius, Manager, Analysis and Testing Services

Date: Tuesday, November 07, 2017

Inquiries: (780) 632 8455

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CLIENT SAMPLE ID	CANISTER ID	Matrix	DATE SAMPLED	
PRAMP_Reno-20171026	15750	Ambient Air	26-Oct-17	20:20
DESCRIPTION:				
REPORT NUMBER:	17100322	REPORT CREATED:	07-Nov-17	VERSION: Version 01

Lab ID	Parameter	Qualifier	Result	Units	RDL	Method	Analysis Date
17100322-001	1,2-Dichloroethane	K, T, U	< 0.01	ppbv	0.01	AC-058	02-Nov-17
17100322-001	1,2-Dichloropropane	K, T, U	< 0.01	ppbv	0.01	AC-058	02-Nov-17
17100322-001	1,3,5-Trimethylbenzene	K, T, U	< 0.03	ppbv	0.03	AC-058	02-Nov-17
17100322-001	1,3-Butadiene	I	0.28	ppbv	0.03	AC-058	02-Nov-17
17100322-001	1,3-Dichlorobenzene	K, T, U	< 0.4	ppbv	0.4	AC-058	02-Nov-17
17100322-001	1,4-Dichlorobenzene	K, T, U	< 0.5	ppbv	0.5	AC-058	02-Nov-17
17100322-001	1,4-Dioxane	K, T, U	< 0.5	ppbv	0.5	AC-058	02-Nov-17
17100322-001	1-Butene		0.73	ppbv	0.03	AC-058	02-Nov-17
17100322-001	1-Hexene	I	0.08	ppbv	0.03	AC-058	02-Nov-17
17100322-001	1-Pentene		0.12	ppbv	0.01	AC-058	02-Nov-17
17100322-001	2,2,4-Trimethylpentane	K, T, U	< 0.01	ppbv	0.01	AC-058	02-Nov-17
17100322-001	2,2-Dimethylbutane	K, T, U	< 0.01	ppbv	0.01	AC-058	02-Nov-17
17100322-001	2,3,4-Trimethylpentane	K, T, U	< 0.01	ppbv	0.01	AC-058	02-Nov-17
17100322-001	2,3-Dimethylbutane		0.04	ppbv	0.03	AC-058	02-Nov-17
17100322-001	2,3-Dimethylpentane	K, T, U	< 0.03	ppbv	0.03	AC-058	02-Nov-17
17100322-001	2,4-Dimethylpentane	K, T, U	< 0.01	ppbv	0.01	AC-058	02-Nov-17
17100322-001	2-Methylheptane	K, T, U	< 0.01	ppbv	0.01	AC-058	02-Nov-17
17100322-001	2-Methylhexane	K, T, U	< 0.01	ppbv	0.01	AC-058	02-Nov-17
17100322-001	2-Methylpentane		0.06	ppbv	0.01	AC-058	02-Nov-17
17100322-001	3-Methylheptane	K, T, U	< 0.03	ppbv	0.03	AC-058	02-Nov-17
17100322-001	3-Methylhexane	K, T, U	< 0.03	ppbv	0.03	AC-058	02-Nov-17
17100322-001	3-Methylpentane		0.04	ppbv	0.01	AC-058	02-Nov-17
17100322-001	Acetone		4.1	ppbv	0.5	AC-058	02-Nov-17
17100322-001	Acrolein		0.8	ppbv	0.4	AC-058	02-Nov-17
17100322-001	Benzene		1.57	ppbv	0.01	AC-058	02-Nov-17

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CLIENT SAMPLE ID PRAMP_Reno-20171026	CANISTER ID 15750	Matrix Ambient Air	DATE SAMPLED 26-Oct-17 20:20
DESCRIPTION:			
REPORT NUMBER: 17100322	REPORT CREATED: 07-Nov-17	VERSION: Version 01	

Lab ID	Parameter	Qualifier	Result	Units	RDL	Method	Analysis Date
17100322-001	Benzyl chloride	K, T, U	< 0.5	ppbv	0.5	AC-058	02-Nov-17
17100322-001	Bromodichloromethane	K, T, U	< 0.03	ppbv	0.03	AC-058	02-Nov-17
17100322-001	Bromoform	K, T, U	< 0.03	ppbv	0.03	AC-058	02-Nov-17
17100322-001	Bromomethane	K, T, U	< 0.01	ppbv	0.01	AC-058	02-Nov-17
17100322-001	Carbon disulfide	I	0.02	ppbv	0.01	AC-058	02-Nov-17
17100322-001	Carbon tetrachloride	I	0.08	ppbv	0.01	AC-058	02-Nov-17
17100322-001	Chlorobenzene	K, T, U	< 0.03	ppbv	0.03	AC-058	02-Nov-17
17100322-001	Chloroethane	K, T, U	< 0.03	ppbv	0.03	AC-058	02-Nov-17
17100322-001	Chloroform	K, T, U	< 0.03	ppbv	0.03	AC-058	02-Nov-17
17100322-001	Chloromethane		0.59	ppbv	0.03	AC-058	02-Nov-17
17100322-001	cis-1,2-Dichloroethene	K, T, U	< 0.01	ppbv	0.01	AC-058	02-Nov-17
17100322-001	cis-1,3-Dichloropropene	K, T, U	< 0.05	ppbv	0.05	AC-058	02-Nov-17
17100322-001	cis-2-Butene		0.13	ppbv	0.03	AC-058	02-Nov-17
17100322-001	cis-2-Pentene		0.04	ppbv	0.03	AC-058	02-Nov-17
17100322-001	Cyclohexane		0.05	ppbv	0.03	AC-058	02-Nov-17
17100322-001	Cyclopentane		0.04	ppbv	0.01	AC-058	02-Nov-17
17100322-001	Dibromochloromethane	K, T, U	< 0.01	ppbv	0.01	AC-058	02-Nov-17
17100322-001	Ethanol		0.6	ppbv	0.4	AC-058	02-Nov-17
17100322-001	Ethyl acetate	K, T, U	< 0.5	ppbv	0.5	AC-058	02-Nov-17
17100322-001	Ethylbenzene		0.06	ppbv	0.01	AC-058	02-Nov-17
17100322-001	Freon-11	I	0.29	ppbv	0.03	AC-058	02-Nov-17
17100322-001	Freon-113	I	0.08	ppbv	0.01	AC-058	02-Nov-17
17100322-001	Freon-114	K, T, U	< 0.03	ppbv	0.03	AC-058	02-Nov-17
17100322-001	Freon-12		0.58	ppbv	0.03	AC-058	02-Nov-17
17100322-001	Hexachloro-1,3-butadiene	K, T, U	< 0.68	ppbv	0.68	AC-058	02-Nov-17

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PRAMP_Reno-20171026	15750	Ambient Air	26-Oct-17 20:20
DESCRIPTION:			
REPORT NUMBER:	17100322	REPORT CREATED:	07-Nov-17
			VERSION: Version 01

Lab ID	Parameter	Qualifier	Result	Units	RDL	Method	Analysis Date
17100322-001	Isobutane		0.95	ppbv	0.03	AC-058	02-Nov-17
17100322-001	Isopentane		0.49	ppbv	0.04	AC-058	02-Nov-17
17100322-001	Isoprene		0.07	ppbv	0.01	AC-058	02-Nov-17
17100322-001	Isopropyl alcohol	K, T, U	< 0.5	ppbv	0.5	AC-058	02-Nov-17
17100322-001	Isopropylbenzene	K, T, U	< 0.01	ppbv	0.01	AC-058	02-Nov-17
17100322-001	m,p-Xylene		0.10	ppbv	0.04	AC-058	02-Nov-17
17100322-001	m-Diethylbenzene	K, T, U	< 0.05	ppbv	0.05	AC-058	02-Nov-17
17100322-001	m-Ethyltoluene	K, T, U	< 0.11	ppbv	0.11	AC-058	02-Nov-17
17100322-001	Methyl butyl ketone	K, T, U	< 0.68	ppbv	0.68	AC-058	02-Nov-17
17100322-001	Methyl ethyl ketone		0.5	ppbv	0.4	AC-058	02-Nov-17
17100322-001	Methyl isobutyl ketone	K, T, U	< 0.5	ppbv	0.5	AC-058	02-Nov-17
17100322-001	Methyl methacrylate	K, T, U	< 0.09	ppbv	0.09	AC-058	02-Nov-17
17100322-001	Methyl tert butyl ether	K, T, U	< 0.04	ppbv	0.04	AC-058	02-Nov-17
17100322-001	Methylcyclohexane		0.04	ppbv	0.01	AC-058	02-Nov-17
17100322-001	Methylcyclopentane		0.07	ppbv	0.03	AC-058	02-Nov-17
17100322-001	Methylene chloride	K, T, U	< 0.4	ppbv	0.4	AC-058	02-Nov-17
17100322-001	n-Butane		1.47	ppbv	0.04	AC-058	02-Nov-17
17100322-001	n-Decane	K, T, U	< 0.08	ppbv	0.08	AC-058	02-Nov-17
17100322-001	n-Dodecane	K, T, U	< 0.5	ppbv	0.5	AC-058	02-Nov-17
17100322-001	n-Heptane		0.06	ppbv	0.01	AC-058	02-Nov-17
17100322-001	n-Hexane		0.11	ppbv	0.01	AC-058	02-Nov-17
17100322-001	n-Octane		0.03	ppbv	0.03	AC-058	02-Nov-17
17100322-001	n-Pentane		0.5	ppbv	0.1	AC-058	02-Nov-17
17100322-001	n-Propylbenzene	K, T, U	< 0.07	ppbv	0.07	AC-058	02-Nov-17
17100322-001	n-Undecane	K, T, U	< 0.7	ppbv	0.7	AC-058	02-Nov-17

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DESCRIPTION:			
REPORT NUMBER: 17100322	REPORT CREATED: 07-Nov-17	VERSION: Version 01	

Lab ID	Parameter	Qualifier	Result	Units	RDL	Method	Analysis Date
17100322-001	Naphthalene	K, T, U	< 0.7	ppbv	0.7	AC-058	02-Nov-17
17100322-001	n-Nonane		0.02	ppbv	0.01	AC-058	02-Nov-17
17100322-001	o-Ethyltoluene	I	0.02	ppbv	0.01	AC-058	02-Nov-17
17100322-001	o-Xylene		0.06	ppbv	0.01	AC-058	02-Nov-17
17100322-001	p-Diethylbenzene	K, T, U	< 0.05	ppbv	0.05	AC-058	02-Nov-17
17100322-001	p-Ethyltoluene	K, T, U	< 0.09	ppbv	0.09	AC-058	02-Nov-17
17100322-001	Styrene	I	0.06	ppbv	0.05	AC-058	02-Nov-17
17100322-001	Tetrachloroethylene	K, T, U	< 0.05	ppbv	0.05	AC-058	02-Nov-17
17100322-001	Tetrahydrofuran	K, T, U	< 0.5	ppbv	0.5	AC-058	02-Nov-17
17100322-001	Toluene		0.66	ppbv	0.01	AC-058	02-Nov-17
17100322-001	trans-1,2-Dichloroethylene	K, T, U	< 0.01	ppbv	0.01	AC-058	02-Nov-17
17100322-001	trans-1,3-Dichloropropylene	K, T, U	< 0.05	ppbv	0.05	AC-058	02-Nov-17
17100322-001	trans-2-Butene		0.20	ppbv	0.01	AC-058	02-Nov-17
17100322-001	trans-2-Pentene		0.05	ppbv	0.03	AC-058	02-Nov-17
17100322-001	Trichloroethylene	K, T, U	< 0.05	ppbv	0.05	AC-058	02-Nov-17
17100322-001	Vinyl acetate	K, T, U	< 0.5	ppbv	0.5	AC-058	02-Nov-17
17100322-001	Vinyl chloride	K, T, U	< 0.03	ppbv	0.03	AC-058	02-Nov-17

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ENVIRONMENTAL ANALYTICAL SERVICES

TEST REPORT

Revision History

Order ID	Ver	Date	Reason
17100322	01	07-Nov-17	Report created

Methods

Method	Description
AC-058	Determination of Volatile Organic Compounds in Ambient Air by Gas Chromatography Mass Spectrometry
NA-024	Analysis for Reduced Sulfur Compounds in Air Samples
NA-025	Determination of Light Hydrocarbons (C1C4) in Ambient Air by Gas Chromatography Flame Ionization Detector

Qualifiers

Data Qualifier Translation

B	Blank contamination; Analyte detected above the method reporting limit in an associated blank
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit
J1	Reported value is estimated; Surrogate recoveries limits were exceeded
J2	Reported value is estimated; No known QC criteria for this component
J3	Reported value is estimated; The value failed to meet QC criteria for either precision or accuracy
J4	Reported value is estimated; The sample matrix interfered with the analysis
K	Off-scale low. Actual value is known to be less than the value given
L	Off-scale high. Actual value is known to be greater than value given
N	Non-target analyte; Tentatively identified compound (using mass spectroscopy)
Q	Sample held beyond the accepted holding time
R	Rejected data; Not suitable for the projects intended use
T	Value reported is less than the laboratory method detection limit
U	Compound was analyzed for but not detected
V	Analyte was detected in both the sample and the associated method blank



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ENVIRONMENTAL ANALYTICAL SERVICES

TEST REPORT

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Order Comments

17100322

Send results to pramptech@prampairshed.ca, and officemanager@prampairshed.ca.



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ENVIRONMENTAL ANALYTICAL SERVICES

TEST REPORT

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Sample Comments



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ENVIRONMENTAL ANALYTICAL SERVICES

TEST REPORT

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Result Comments

Note: Results relate only to items tested