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ENVIRONMENTAL ANALYTICAL SERVICES

TEST REPORT

<p>RESULTS: Office Manager Peace River Area Monitoring Program Committee</p>	<p style="text-align: center;">CLIENT SAMPLE ID Pramp_Reno_Blank</p> <p>MATRIX: Ambient Air</p> <p>CANISTER ID: 32199</p> <p>PRIORITY: Normal</p> <p>DESCRIPTION: Methane Blank</p> <p>DATE SAMPLED: 20-Oct-20</p> <p>REPORT CREATED: 02-Nov-20</p>
<p>INVOICE: Karla Reesor 403 807 2995</p>	<p>DATE RECEIVED: 27-Oct-20</p> <p>REPORT NUMBER: 20100276</p> <p>VERSION: Version 01</p>

Lab ID	Parameter	Qualifier	Result	Units	RDL	Method	Analysis Date
20100276-002	1-Butene	K, T, U	< 0.10	ppmv	0.10	NA-025	28-Oct-20
20100276-002	Acetylene	K, T, U	< 0.08	ppmv	0.08	NA-025	28-Oct-20
20100276-002	n-Butane	K, T, U	< 0.2	ppmv	0.2	NA-025	28-Oct-20
20100276-002	cis-2-Butene	K, T, U	< 0.04	ppmv	0.04	NA-025	28-Oct-20
20100276-002	Ethane	K, T, U	< 0.1	ppmv	0.1	NA-025	28-Oct-20
20100276-002	Ethylacetylene	K, T, U	< 0.06	ppmv	0.06	NA-025	28-Oct-20
20100276-002	Ethylene	K, T, U	< 0.07	ppmv	0.07	NA-025	28-Oct-20
20100276-002	Isobutane	K, T, U	< 0.1	ppmv	0.1	NA-025	28-Oct-20
20100276-002	Isobutylene	K, T, U	< 0.1	ppmv	0.1	NA-025	28-Oct-20
20100276-002	Methane	K, T, U	< 0.1	ppmv	0.1	NA-025	28-Oct-20
20100276-002	n-Propane	K, T, U	< 0.07	ppmv	0.07	NA-025	28-Oct-20
20100276-002	Propylene	K, T, U	< 0.1	ppmv	0.1	NA-025	28-Oct-20
20100276-002	Propyne	K, T, U	< 0.1	ppmv	0.1	NA-025	28-Oct-20
20100276-002	trans-2-Butene	K, T, U	< 0.09	ppmv	0.09	NA-025	28-Oct-20
20100276-002	2,5-Dimethylthiophene	K, Q, T, U	< 0.3	ppbv	0.3	NA-024	29-Oct-20
20100276-002	2-Ethylthiophene	K, Q, T, U	< 0.2	ppbv	0.2	NA-024	29-Oct-20
20100276-002	2-Methylthiophene	K, Q, T, U	< 0.2	ppbv	0.2	NA-024	29-Oct-20
20100276-002	3-Methylthiophene	K, Q, T, U	< 0.3	ppbv	0.3	NA-024	29-Oct-20

CLIENT SAMPLE ID	Pramp_Reno_Blank	CANISTER ID	32199	Matrix	Ambient Air	DATE SAMPLED	20-Oct-20
DESCRIPTION:	Methane Blank						
REPORT NUMBER:	20100276	REPORT CREATED:	02-Nov-20	VERSION:	Version 01		

Lab ID	Parameter	Qualifier	Result	Units	RDL	Method	Analysis Date
20100276-002	Butyl mercaptan	K, Q, T, U	< 0.3	ppbv	0.3	NA-024	29-Oct-20
20100276-002	Carbon disulphide	K, Q, T, U	< 0.2	ppbv	0.2	NA-024	29-Oct-20
20100276-002	Carbonyl sulphide	K, Q, T, U	< 0.3	ppbv	0.3	NA-024	29-Oct-20
20100276-002	Dimethyl disulphide	K, Q, T, U	< 0.2	ppbv	0.2	NA-024	29-Oct-20
20100276-002	Dimethyl sulphide	K, Q, T, U	< 0.2	ppbv	0.2	NA-024	29-Oct-20
20100276-002	Ethyl mercaptan	K, Q, T, U	< 0.3	ppbv	0.3	NA-024	29-Oct-20
20100276-002	Ethyl sulphide	K, Q, T, U	< 0.3	ppbv	0.3	NA-024	29-Oct-20
20100276-002	Hydrogen sulphide	K, Q, T, U	< 0.3	ppbv	0.3	NA-024	29-Oct-20
20100276-002	Isobutyl mercaptan	K, Q, T, U	< 0.3	ppbv	0.3	NA-024	29-Oct-20
20100276-002	Isopropyl mercaptan	K, Q, T, U	< 0.3	ppbv	0.3	NA-024	29-Oct-20
20100276-002	Methyl mercaptan	K, Q, T, U	< 0.2	ppbv	0.2	NA-024	29-Oct-20
20100276-002	Pentyl mercaptan	K, Q, T, U	< 0.4	ppbv	0.4	NA-024	29-Oct-20
20100276-002	Propyl mercaptan	K, Q, T, U	< 0.4	ppbv	0.4	NA-024	29-Oct-20
20100276-002	tert-Butyl mercaptan	K, Q, T, U	< 0.3	ppbv	0.3	NA-024	29-Oct-20
20100276-002	Thiophene	K, Q, T, U	< 0.2	ppbv	0.2	NA-024	29-Oct-20
20100276-002	1,1,1-Trichloroethane	K, T, U	< 0.02	ppbv	0.02	AC-058	28-Oct-20
20100276-002	1,1,2,2-Tetrachloroethane	K, T, U	< 0.02	ppbv	0.02	AC-058	28-Oct-20
20100276-002	1,1,2-Trichloroethane	K, T, U	< 0.02	ppbv	0.02	AC-058	28-Oct-20
20100276-002	1,1-Dichloroethane	K, T, U	< 0.02	ppbv	0.02	AC-058	28-Oct-20
20100276-002	1,1-Dichloroethylene	K, T, U	< 0.04	ppbv	0.04	AC-058	28-Oct-20
20100276-002	1,2,3-Trimethylbenzene	K, T, U	< 0.05	ppbv	0.05	AC-058	28-Oct-20
20100276-002	1,2,4-Trichlorobenzene	K, T, U	< 0.8	ppbv	0.8	AC-058	28-Oct-20
20100276-002	1,2,4-Trimethylbenzene	K, T, U	< 0.05	ppbv	0.05	AC-058	28-Oct-20
20100276-002	1,2-Dibromoethane	K, T, U	< 0.02	ppbv	0.02	AC-058	28-Oct-20
20100276-002	1,2-Dichlorobenzene	K, T, U	< 0.03	ppbv	0.03	AC-058	28-Oct-20

Report certified by: Rebecca Holgate, Account Coordinator

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

Date: November 2, 2020

Inquiries: (780) 632 8455

E-mail: EAS.Results@innotechalberta.ca

CLIENT SAMPLE ID	Pramp_Reno_Blank	CANISTER ID	32199	Matrix	Ambient Air	DATE SAMPLED	20-Oct-20
DESCRIPTION:	Methane Blank						
REPORT NUMBER:	20100276	REPORT CREATED:	02-Nov-20			VERSION:	Version 01

Lab ID	Parameter	Qualifier	Result	Units	RDL	Method	Analysis Date
20100276-002	1,2-Dichloroethane	K, T, U	< 0.01	ppbv	0.01	AC-058	28-Oct-20
20100276-002	1,2-Dichloropropane	K, T, U	< 0.01	ppbv	0.01	AC-058	28-Oct-20
20100276-002	1,3,5-Trimethylbenzene	K, T, U	< 0.02	ppbv	0.02	AC-058	28-Oct-20
20100276-002	1,3-Butadiene	K, T, U	< 0.02	ppbv	0.02	AC-058	28-Oct-20
20100276-002	1,3-Dichlorobenzene	K, T, U	< 0.3	ppbv	0.3	AC-058	28-Oct-20
20100276-002	1,4-Dichlorobenzene	K, T, U	< 0.4	ppbv	0.4	AC-058	28-Oct-20
20100276-002	1,4-Dioxane	K, T, U	< 0.4	ppbv	0.4	AC-058	28-Oct-20
20100276-002	1-Butene/Isobutylene	I	0.17	ppbv	0.02	AC-058	28-Oct-20
20100276-002	1-Hexene/2-Methyl-1-pentene	K, T, U	< 0.02	ppbv	0.02	AC-058	28-Oct-20
20100276-002	1-Pentene		0.06	ppbv	0.01	AC-058	28-Oct-20
20100276-002	2,2,4-Trimethylpentane	K, T, U	< 0.01	ppbv	0.01	AC-058	28-Oct-20
20100276-002	2,2-Dimethylbutane	K, T, U	< 0.01	ppbv	0.01	AC-058	28-Oct-20
20100276-002	2,3,4-Trimethylpentane	K, T, U	< 0.01	ppbv	0.01	AC-058	28-Oct-20
20100276-002	2,3-Dimethylbutane	K, T, U	< 0.02	ppbv	0.02	AC-058	28-Oct-20
20100276-002	2,3-Dimethylpentane	K, T, U	< 0.02	ppbv	0.02	AC-058	28-Oct-20
20100276-002	2,4-Dimethylpentane	K, T, U	< 0.01	ppbv	0.01	AC-058	28-Oct-20
20100276-002	2-Methylheptane	K, T, U	< 0.01	ppbv	0.01	AC-058	28-Oct-20
20100276-002	2-Methylhexane	K, T, U	< 0.01	ppbv	0.01	AC-058	28-Oct-20
20100276-002	2-Methylpentane	K, T, U	< 0.01	ppbv	0.01	AC-058	28-Oct-20
20100276-002	3-Methylheptane	K, T, U	< 0.02	ppbv	0.02	AC-058	28-Oct-20
20100276-002	3-Methylhexane	K, T, U	< 0.02	ppbv	0.02	AC-058	28-Oct-20
20100276-002	3-Methylpentane	K, T, U	< 0.01	ppbv	0.01	AC-058	28-Oct-20
20100276-002	Acetone	K, T, U	< 0.4	ppbv	0.4	AC-058	28-Oct-20
20100276-002	Acrolein	K, T, U	< 0.3	ppbv	0.3	AC-058	28-Oct-20
20100276-002	Benzene		0.09	ppbv	0.01	AC-058	28-Oct-20

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CLIENT SAMPLE ID	Pramp_Reno_Blank	CANISTER ID	32199	Matrix	Ambient Air	DATE SAMPLED	20-Oct-20
DESCRIPTION:	Methane Blank						
REPORT NUMBER:	20100276	REPORT CREATED:	02-Nov-20			VERSION:	Version 01

Lab ID	Parameter	Qualifier	Result	Units	RDL	Method	Analysis Date
20100276-002	Benzyl chloride	K, T, U	< 0.4	ppbv	0.4	AC-058	28-Oct-20
20100276-002	Bromodichloromethane	K, T, U	< 0.02	ppbv	0.02	AC-058	28-Oct-20
20100276-002	Bromoform	K, T, U	< 0.02	ppbv	0.02	AC-058	28-Oct-20
20100276-002	Bromomethane	K, T, U	< 0.01	ppbv	0.01	AC-058	28-Oct-20
20100276-002	Carbon disulfide	K, T, U	< 0.01	ppbv	0.01	AC-058	28-Oct-20
20100276-002	Carbon tetrachloride	K, T, U	< 0.01	ppbv	0.01	AC-058	28-Oct-20
20100276-002	Chlorobenzene	K, T, U	< 0.02	ppbv	0.02	AC-058	28-Oct-20
20100276-002	Chloroethane	K, T, U	< 0.02	ppbv	0.02	AC-058	28-Oct-20
20100276-002	Chloroform	K, T, U	< 0.02	ppbv	0.02	AC-058	28-Oct-20
20100276-002	Chloromethane	I	0.04	ppbv	0.02	AC-058	28-Oct-20
20100276-002	cis-1,2-Dichloroethene	K, T, U	< 0.01	ppbv	0.01	AC-058	28-Oct-20
20100276-002	cis-1,3-Dichloropropene	K, T, U	< 0.04	ppbv	0.04	AC-058	28-Oct-20
20100276-002	cis-2-Butene	K, T, U	< 0.02	ppbv	0.02	AC-058	28-Oct-20
20100276-002	cis-2-Pentene	K, T, U	< 0.02	ppbv	0.02	AC-058	28-Oct-20
20100276-002	Cyclohexane	K, T, U	< 0.02	ppbv	0.02	AC-058	28-Oct-20
20100276-002	Cyclopentane	K, T, U	< 0.01	ppbv	0.01	AC-058	28-Oct-20
20100276-002	Dibromochloromethane	K, T, U	< 0.01	ppbv	0.01	AC-058	28-Oct-20
20100276-002	Ethanol	K, T, U	< 0.3	ppbv	0.3	AC-058	28-Oct-20
20100276-002	Ethyl acetate	K, T, U	< 0.4	ppbv	0.4	AC-058	28-Oct-20
20100276-002	Ethylbenzene	K, T, U	< 0.01	ppbv	0.01	AC-058	28-Oct-20
20100276-002	Freon-11	K, T, U	< 0.02	ppbv	0.02	AC-058	28-Oct-20
20100276-002	Freon-113	K, T, U	< 0.01	ppbv	0.01	AC-058	28-Oct-20
20100276-002	Freon-114	K, T, U	< 0.02	ppbv	0.02	AC-058	28-Oct-20
20100276-002	Freon-12	K, T, U	< 0.02	ppbv	0.02	AC-058	28-Oct-20
20100276-002	Hexachloro-1,3-butadiene	K, T, U	< 0.50	ppbv	0.50	AC-058	28-Oct-20

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CLIENT SAMPLE ID	Pramp_Reno_Blank	CANISTER ID	32199	Matrix	Ambient Air	DATE SAMPLED	20-Oct-20
DESCRIPTION:	Methane Blank						
REPORT NUMBER:	20100276	REPORT CREATED:	02-Nov-20			VERSION:	Version 01

Lab ID	Parameter	Qualifier	Result	Units	RDL	Method	Analysis Date
20100276-002	Isobutane		0.33	ppbv	0.02	AC-058	28-Oct-20
20100276-002	Isopentane		0.05	ppbv	0.03	AC-058	28-Oct-20
20100276-002	Isoprene	K, T, U	< 0.01	ppbv	0.01	AC-058	28-Oct-20
20100276-002	Isopropyl alcohol	K, T, U	< 0.4	ppbv	0.4	AC-058	28-Oct-20
20100276-002	Isopropylbenzene	K, T, U	< 0.01	ppbv	0.01	AC-058	28-Oct-20
20100276-002	m,p-Xylene	K, T, U	< 0.03	ppbv	0.03	AC-058	28-Oct-20
20100276-002	m-Diethylbenzene	K, T, U	< 0.04	ppbv	0.04	AC-058	28-Oct-20
20100276-002	m-Ethyltoluene	K, T, U	< 0.08	ppbv	0.08	AC-058	28-Oct-20
20100276-002	Methyl butyl ketone	K, T, U	< 0.50	ppbv	0.50	AC-058	28-Oct-20
20100276-002	Methyl ethyl ketone	K, T, U	< 0.3	ppbv	0.3	AC-058	28-Oct-20
20100276-002	Methyl isobutyl ketone	K, T, U	< 0.4	ppbv	0.4	AC-058	28-Oct-20
20100276-002	Methyl methacrylate	K, T, U	< 0.07	ppbv	0.07	AC-058	28-Oct-20
20100276-002	Methyl tert butyl ether	K, T, U	< 0.03	ppbv	0.03	AC-058	28-Oct-20
20100276-002	Methylcyclohexane	K, T, U	< 0.01	ppbv	0.01	AC-058	28-Oct-20
20100276-002	Methylcyclopentane	K, T, U	< 0.02	ppbv	0.02	AC-058	28-Oct-20
20100276-002	Methylene chloride	K, T, U	< 0.3	ppbv	0.3	AC-058	28-Oct-20
20100276-002	n-Butane	K, T, U	< 0.03	ppbv	0.03	AC-058	28-Oct-20
20100276-002	n-Decane	K, T, U	< 0.06	ppbv	0.06	AC-058	28-Oct-20
20100276-002	n-Dodecane	K, T, U	< 0.4	ppbv	0.4	AC-058	28-Oct-20
20100276-002	n-Heptane	K, T, U	< 0.01	ppbv	0.01	AC-058	28-Oct-20
20100276-002	n-Hexane	K, T, U	< 0.01	ppbv	0.01	AC-058	28-Oct-20
20100276-002	n-Octane	K, T, U	< 0.02	ppbv	0.02	AC-058	28-Oct-20
20100276-002	n-Pentane	K, T, U	< 0.1	ppbv	0.1	AC-058	28-Oct-20
20100276-002	n-Propylbenzene	K, T, U	< 0.05	ppbv	0.05	AC-058	28-Oct-20
20100276-002	n-Undecane	K, T, U	< 0.5	ppbv	0.5	AC-058	28-Oct-20

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ENVIRONMENTAL ANALYTICAL SERVICES

TEST REPORT

CLIENT SAMPLE ID	CANISTER ID	Matrix	DATE SAMPLED
Pramp_Reno_Blank	32199	Ambient Air	20-Oct-20
DESCRIPTION:	Methane Blank		
REPORT NUMBER:	20100276	REPORT CREATED:	02-Nov-20
		VERSION:	Version 01

Lab ID	Parameter	Qualifier	Result Units	RDL	Method	Analysis Date
20100276-002	Naphthalene	K, T, U	< 0.5 ppbv	0.5	AC-058	28-Oct-20
20100276-002	n-Nonane	K, T, U	< 0.01 ppbv	0.01	AC-058	28-Oct-20
20100276-002	o-Ethyltoluene	K, T, U	< 0.01 ppbv	0.01	AC-058	28-Oct-20
20100276-002	o-Xylene	K, T, U	< 0.01 ppbv	0.01	AC-058	28-Oct-20
20100276-002	p-Diethylbenzene	K, T, U	< 0.04 ppbv	0.04	AC-058	28-Oct-20
20100276-002	p-Ethyltoluene	K, T, U	< 0.07 ppbv	0.07	AC-058	28-Oct-20
20100276-002	Styrene	K, T, U	< 0.04 ppbv	0.04	AC-058	28-Oct-20
20100276-002	Tetrachloroethylene	I	0.04 ppbv	0.04	AC-058	28-Oct-20
20100276-002	Tetrahydrofuran	K, T, U	< 0.4 ppbv	0.4	AC-058	28-Oct-20
20100276-002	Toluene		0.10 ppbv	0.01	AC-058	28-Oct-20
20100276-002	trans-1,2-Dichloroethylene	K, T, U	< 0.01 ppbv	0.01	AC-058	28-Oct-20
20100276-002	trans-1,3-Dichloropropylene	K, T, U	< 0.04 ppbv	0.04	AC-058	28-Oct-20
20100276-002	trans-2-Butene	K, T, U	< 0.01 ppbv	0.01	AC-058	28-Oct-20
20100276-002	trans-2-Pentene	K, T, U	< 0.02 ppbv	0.02	AC-058	28-Oct-20
20100276-002	Trichloroethylene	K, T, U	< 0.04 ppbv	0.04	AC-058	28-Oct-20
20100276-002	Vinyl acetate	K, T, U	< 0.4 ppbv	0.4	AC-058	28-Oct-20
20100276-002	Vinyl chloride	K, T, U	< 0.02 ppbv	0.02	AC-058	28-Oct-20

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CLIENT SAMPLE ID	CANISTER ID	Matrix	DATE SAMPLED
Pramp_Reno-20201011	28941	Ambient Air	11-Oct-20 22:35
DESCRIPTION:	Methane Trigger		
REPORT NUMBER:	REPORT CREATED:	VERSION:	Version 01
20100276	02-Nov-20		

Lab ID	Parameter	Qualifier	Result	Units	RDL	Method	Analysis Date
20100276-001	1-Butene	K, T, U	< 0.15	ppmv	0.15	NA-025	28-Oct-20
20100276-001	Acetylene	K, T, U	< 0.12	ppmv	0.12	NA-025	28-Oct-20
20100276-001	n-Butane	K, T, U	< 0.3	ppmv	0.3	NA-025	28-Oct-20
20100276-001	cis-2-Butene	K, T, U	< 0.06	ppmv	0.06	NA-025	28-Oct-20
20100276-001	Ethane	K, T, U	< 0.2	ppmv	0.2	NA-025	28-Oct-20
20100276-001	Ethylacetylene	K, T, U	< 0.09	ppmv	0.09	NA-025	28-Oct-20
20100276-001	Ethylene	K, T, U	< 0.11	ppmv	0.11	NA-025	28-Oct-20
20100276-001	Isobutane	K, T, U	< 0.2	ppmv	0.2	NA-025	28-Oct-20
20100276-001	Isobutylene	K, T, U	< 0.2	ppmv	0.2	NA-025	28-Oct-20
20100276-001	Methane		2.1	ppmv	0.2	NA-025	28-Oct-20
20100276-001	n-Propane	K, T, U	< 0.11	ppmv	0.11	NA-025	28-Oct-20
20100276-001	Propylene	K, T, U	< 0.2	ppmv	0.2	NA-025	28-Oct-20
20100276-001	Propyne	K, T, U	< 0.2	ppmv	0.2	NA-025	28-Oct-20
20100276-001	trans-2-Butene	K, T, U	< 0.14	ppmv	0.14	NA-025	28-Oct-20
20100276-001	2,5-Dimethylthiophene	K, Q, T, U	< 0.5	ppbv	0.5	NA-024	29-Oct-20
20100276-001	2-Ethylthiophene	K, Q, T, U	< 0.3	ppbv	0.3	NA-024	29-Oct-20
20100276-001	2-Methylthiophene	K, Q, T, U	< 0.3	ppbv	0.3	NA-024	29-Oct-20
20100276-001	3-Methylthiophene	K, Q, T, U	< 0.5	ppbv	0.5	NA-024	29-Oct-20
20100276-001	Butyl mercaptan	K, Q, T, U	< 0.5	ppbv	0.5	NA-024	29-Oct-20
20100276-001	Carbon disulphide	K, Q, T, U	< 0.3	ppbv	0.3	NA-024	29-Oct-20
20100276-001	Carbonyl sulphide	K, Q, T, U	< 0.5	ppbv	0.5	NA-024	29-Oct-20
20100276-001	Dimethyl disulphide	K, Q, T, U	< 0.3	ppbv	0.3	NA-024	29-Oct-20
20100276-001	Dimethyl sulphide	K, Q, T, U	< 0.3	ppbv	0.3	NA-024	29-Oct-20
20100276-001	Ethyl mercaptan	K, Q, T, U	< 0.5	ppbv	0.5	NA-024	29-Oct-20
20100276-001	Ethyl sulphide	K, Q, T, U	< 0.5	ppbv	0.5	NA-024	29-Oct-20

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CLIENT SAMPLE ID Pramp_Reno-20201011	CANISTER ID 28941	Matrix Ambient Air	DATE SAMPLED 11-Oct-20 22:35
DESCRIPTION: Methane Trigger			
REPORT NUMBER: 20100276	REPORT CREATED: 02-Nov-20		VERSION: Version 01

Lab ID	Parameter	Qualifier	Result	Units	RDL	Method	Analysis Date
20100276-001	Hydrogen sulphide	Q	1.7	ppbv	0.5	NA-024	29-Oct-20
20100276-001	Isobutyl mercaptan	K, Q, T, U	< 0.5	ppbv	0.5	NA-024	29-Oct-20
20100276-001	Isopropyl mercaptan	K, Q, T, U	< 0.5	ppbv	0.5	NA-024	29-Oct-20
20100276-001	Methyl mercaptan	K, Q, T, U	< 0.3	ppbv	0.3	NA-024	29-Oct-20
20100276-001	Pentyl mercaptan	K, Q, T, U	< 0.6	ppbv	0.6	NA-024	29-Oct-20
20100276-001	Propyl mercaptan	K, Q, T, U	< 0.6	ppbv	0.6	NA-024	29-Oct-20
20100276-001	tert-Butyl mercaptan	K, Q, T, U	< 0.5	ppbv	0.5	NA-024	29-Oct-20
20100276-001	Thiophene	K, Q, T, U	< 0.3	ppbv	0.3	NA-024	29-Oct-20
20100276-001	1,1,1-Trichloroethane	K, T, U	< 0.03	ppbv	0.03	AC-058	28-Oct-20
20100276-001	1,1,2,2-Tetrachloroethane	K, T, U	< 0.03	ppbv	0.03	AC-058	28-Oct-20
20100276-001	1,1,2-Trichloroethane	K, T, U	< 0.03	ppbv	0.03	AC-058	28-Oct-20
20100276-001	1,1-Dichloroethane	K, T, U	< 0.03	ppbv	0.03	AC-058	28-Oct-20
20100276-001	1,1-Dichloroethylene	K, T, U	< 0.06	ppbv	0.06	AC-058	28-Oct-20
20100276-001	1,2,3-Trimethylbenzene	K, T, U	< 0.08	ppbv	0.08	AC-058	28-Oct-20
20100276-001	1,2,4-Trichlorobenzene	K, T, U	< 1.2	ppbv	1.2	AC-058	28-Oct-20
20100276-001	1,2,4-Trimethylbenzene		0.15	ppbv	0.08	AC-058	28-Oct-20
20100276-001	1,2-Dibromoethane	K, T, U	< 0.03	ppbv	0.03	AC-058	28-Oct-20
20100276-001	1,2-Dichlorobenzene	K, T, U	< 0.05	ppbv	0.05	AC-058	28-Oct-20
20100276-001	1,2-Dichloroethane	I	0.05	ppbv	0.02	AC-058	28-Oct-20
20100276-001	1,2-Dichloropropane	K, T, U	< 0.02	ppbv	0.02	AC-058	28-Oct-20
20100276-001	1,3,5-Trimethylbenzene	K, T, U	< 0.03	ppbv	0.03	AC-058	28-Oct-20
20100276-001	1,3-Butadiene	K, T, U	< 0.03	ppbv	0.03	AC-058	28-Oct-20
20100276-001	1,3-Dichlorobenzene	K, T, U	< 0.5	ppbv	0.5	AC-058	28-Oct-20
20100276-001	1,4-Dichlorobenzene	K, T, U	< 0.6	ppbv	0.6	AC-058	28-Oct-20
20100276-001	1,4-Dioxane	K, T, U	< 0.6	ppbv	0.6	AC-058	28-Oct-20

Report certified by: Rebecca Holgate, Account Coordinator

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

Date: November 2, 2020

Inquiries: (780) 632 8455

E-mail: EAS.Results@innotechalberta.ca

CLIENT SAMPLE ID	CANISTER ID	Matrix	DATE SAMPLED
Pramp_Reno-20201011	28941	Ambient Air	11-Oct-20 22:35
DESCRIPTION:	Methane Trigger		
REPORT NUMBER:	REPORT CREATED:	VERSION:	Version 01
20100276	02-Nov-20		

Lab ID	Parameter	Qualifier	Result	Units	RDL	Method	Analysis Date
20100276-001	1-Butene/Isobutylene		0.38	ppbv	0.03	AC-058	28-Oct-20
20100276-001	1-Hexene/2-Methyl-1-pentene	K, T, U	< 0.03	ppbv	0.03	AC-058	28-Oct-20
20100276-001	1-Pentene		0.19	ppbv	0.02	AC-058	28-Oct-20
20100276-001	2,2,4-Trimethylpentane	K, T, U	< 0.02	ppbv	0.02	AC-058	28-Oct-20
20100276-001	2,2-Dimethylbutane		0.03	ppbv	0.02	AC-058	28-Oct-20
20100276-001	2,3,4-Trimethylpentane	K, T, U	< 0.02	ppbv	0.02	AC-058	28-Oct-20
20100276-001	2,3-Dimethylbutane		0.17	ppbv	0.03	AC-058	28-Oct-20
20100276-001	2,3-Dimethylpentane		0.06	ppbv	0.03	AC-058	28-Oct-20
20100276-001	2,4-Dimethylpentane		0.02	ppbv	0.02	AC-058	28-Oct-20
20100276-001	2-Methylheptane	K, T, U	< 0.02	ppbv	0.02	AC-058	28-Oct-20
20100276-001	2-Methylhexane		0.16	ppbv	0.02	AC-058	28-Oct-20
20100276-001	2-Methylpentane		0.18	ppbv	0.02	AC-058	28-Oct-20
20100276-001	3-Methylheptane	K, T, U	< 0.03	ppbv	0.03	AC-058	28-Oct-20
20100276-001	3-Methylhexane		0.23	ppbv	0.03	AC-058	28-Oct-20
20100276-001	3-Methylpentane		0.06	ppbv	0.02	AC-058	28-Oct-20
20100276-001	Acetone		7.8	ppbv	0.6	AC-058	28-Oct-20
20100276-001	Acrolein	K, T, U	< 0.5	ppbv	0.5	AC-058	28-Oct-20
20100276-001	Benzene		0.15	ppbv	0.02	AC-058	28-Oct-20
20100276-001	Benzyl chloride	K, T, U	< 0.6	ppbv	0.6	AC-058	28-Oct-20
20100276-001	Bromodichloromethane	K, T, U	< 0.03	ppbv	0.03	AC-058	28-Oct-20
20100276-001	Bromoform	I	0.08	ppbv	0.03	AC-058	28-Oct-20
20100276-001	Bromomethane	K, T, U	< 0.02	ppbv	0.02	AC-058	28-Oct-20
20100276-001	Carbon disulfide	I	0.23	ppbv	0.02	AC-058	28-Oct-20
20100276-001	Carbon tetrachloride	I	0.15	ppbv	0.02	AC-058	28-Oct-20
20100276-001	Chlorobenzene	K, T, U	< 0.03	ppbv	0.03	AC-058	28-Oct-20

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CLIENT SAMPLE ID	CANISTER ID	Matrix	DATE SAMPLED
Pramp_Reno-20201011	28941	Ambient Air	11-Oct-20 22:35
DESCRIPTION:	Methane Trigger		
REPORT NUMBER:	REPORT CREATED:	VERSION:	Version 01
20100276	02-Nov-20		

Lab ID	Parameter	Qualifier	Result Units	RDL	Method	Analysis Date
20100276-001	Chloroethane	K, T, U	< 0.03 ppbv	0.03	AC-058	28-Oct-20
20100276-001	Chloroform	I	0.08 ppbv	0.03	AC-058	28-Oct-20
20100276-001	Chloromethane		0.67 ppbv	0.03	AC-058	28-Oct-20
20100276-001	cis-1,2-Dichloroethene	K, T, U	< 0.02 ppbv	0.02	AC-058	28-Oct-20
20100276-001	cis-1,3-Dichloropropene	K, T, U	< 0.06 ppbv	0.06	AC-058	28-Oct-20
20100276-001	cis-2-Butene	K, T, U	< 0.03 ppbv	0.03	AC-058	28-Oct-20
20100276-001	cis-2-Pentene		0.13 ppbv	0.03	AC-058	28-Oct-20
20100276-001	Cyclohexane		0.17 ppbv	0.03	AC-058	28-Oct-20
20100276-001	Cyclopentane		0.10 ppbv	0.02	AC-058	28-Oct-20
20100276-001	Dibromochloromethane	K, T, U	< 0.02 ppbv	0.02	AC-058	28-Oct-20
20100276-001	Ethanol		10.9 ppbv	0.5	AC-058	28-Oct-20
20100276-001	Ethyl acetate	K, T, U	< 0.6 ppbv	0.6	AC-058	28-Oct-20
20100276-001	Ethylbenzene		0.16 ppbv	0.02	AC-058	28-Oct-20
20100276-001	Freon-11	I	0.41 ppbv	0.03	AC-058	28-Oct-20
20100276-001	Freon-113	I	0.13 ppbv	0.02	AC-058	28-Oct-20
20100276-001	Freon-114	K, T, U	< 0.03 ppbv	0.03	AC-058	28-Oct-20
20100276-001	Freon-12		0.70 ppbv	0.03	AC-058	28-Oct-20
20100276-001	Hexachloro-1,3-butadiene	K, T, U	< 0.76 ppbv	0.76	AC-058	28-Oct-20
20100276-001	Isobutane		1.25 ppbv	0.03	AC-058	28-Oct-20
20100276-001	Isopentane		0.88 ppbv	0.05	AC-058	28-Oct-20
20100276-001	Isoprene		0.13 ppbv	0.02	AC-058	28-Oct-20
20100276-001	Isopropyl alcohol		1.0 ppbv	0.6	AC-058	28-Oct-20
20100276-001	Isopropylbenzene	K, T, U	< 0.02 ppbv	0.02	AC-058	28-Oct-20
20100276-001	m,p-Xylene		0.27 ppbv	0.05	AC-058	28-Oct-20
20100276-001	m-Diethylbenzene	K, T, U	< 0.06 ppbv	0.06	AC-058	28-Oct-20

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CLIENT SAMPLE ID	CANISTER ID	Matrix	DATE SAMPLED
Pramp_Reno-20201011	28941	Ambient Air	11-Oct-20 22:35
DESCRIPTION:	Methane Trigger		
REPORT NUMBER:	REPORT CREATED:	VERSION:	Version 01
20100276	02-Nov-20		

Lab ID	Parameter	Qualifier	Result	Units	RDL	Method	Analysis Date
20100276-001	m-Ethyltoluene	K, T, U	< 0.12	ppbv	0.12	AC-058	28-Oct-20
20100276-001	Methyl butyl ketone	K, T, U	< 0.76	ppbv	0.76	AC-058	28-Oct-20
20100276-001	Methyl ethyl ketone	K, T, U	< 0.5	ppbv	0.5	AC-058	28-Oct-20
20100276-001	Methyl isobutyl ketone	K, T, U	< 0.6	ppbv	0.6	AC-058	28-Oct-20
20100276-001	Methyl methacrylate	K, T, U	< 0.11	ppbv	0.11	AC-058	28-Oct-20
20100276-001	Methyl tert butyl ether	K, T, U	< 0.05	ppbv	0.05	AC-058	28-Oct-20
20100276-001	Methylcyclohexane		0.16	ppbv	0.02	AC-058	28-Oct-20
20100276-001	Methylcyclopentane		0.04	ppbv	0.03	AC-058	28-Oct-20
20100276-001	Methylene chloride		0.5	ppbv	0.5	AC-058	28-Oct-20
20100276-001	n-Butane		2.44	ppbv	0.05	AC-058	28-Oct-20
20100276-001	n-Decane		0.11	ppbv	0.09	AC-058	28-Oct-20
20100276-001	n-Dodecane	K, T, U	< 0.6	ppbv	0.6	AC-058	28-Oct-20
20100276-001	n-Heptane		0.29	ppbv	0.02	AC-058	28-Oct-20
20100276-001	n-Hexane		0.16	ppbv	0.02	AC-058	28-Oct-20
20100276-001	n-Octane		0.11	ppbv	0.03	AC-058	28-Oct-20
20100276-001	n-Pentane		0.6	ppbv	0.2	AC-058	28-Oct-20
20100276-001	n-Propylbenzene	K, T, U	< 0.08	ppbv	0.08	AC-058	28-Oct-20
20100276-001	n-Undecane	K, T, U	< 0.8	ppbv	0.8	AC-058	28-Oct-20
20100276-001	Naphthalene	K, T, U	< 0.8	ppbv	0.8	AC-058	28-Oct-20
20100276-001	n-Nonane		0.09	ppbv	0.02	AC-058	28-Oct-20
20100276-001	o-Ethyltoluene	K, T, U	< 0.02	ppbv	0.02	AC-058	28-Oct-20
20100276-001	o-Xylene		0.15	ppbv	0.02	AC-058	28-Oct-20
20100276-001	p-Diethylbenzene	K, T, U	< 0.06	ppbv	0.06	AC-058	28-Oct-20
20100276-001	p-Ethyltoluene	K, T, U	< 0.11	ppbv	0.11	AC-058	28-Oct-20
20100276-001	Styrene	K, T, U	< 0.06	ppbv	0.06	AC-058	28-Oct-20

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

Date: November 2, 2020

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CLIENT SAMPLE ID Pramp_Reno-20201011	CANISTER ID 28941	Matrix Ambient Air	DATE SAMPLED 11-Oct-20 22:35
DESCRIPTION: Methane Trigger			
REPORT NUMBER: 20100276	REPORT CREATED: 02-Nov-20		VERSION: Version 01

Lab ID	Parameter	Qualifier	Result Units	RDL	Method	Analysis Date
20100276-001	Tetrachloroethylene	K, T, U	< 0.06 ppbv	0.06	AC-058	28-Oct-20
20100276-001	Tetrahydrofuran	K, T, U	< 0.6 ppbv	0.6	AC-058	28-Oct-20
20100276-001	Toluene		0.21 ppbv	0.02	AC-058	28-Oct-20
20100276-001	trans-1,2-Dichloroethylene		1.35 ppbv	0.02	AC-058	28-Oct-20
20100276-001	trans-1,3-Dichloropropylene	K, T, U	< 0.06 ppbv	0.06	AC-058	28-Oct-20
20100276-001	trans-2-Butene	K, T, U	< 0.02 ppbv	0.02	AC-058	28-Oct-20
20100276-001	trans-2-Pentene	K, T, U	< 0.03 ppbv	0.03	AC-058	28-Oct-20
20100276-001	Trichloroethylene	K, T, U	< 0.06 ppbv	0.06	AC-058	28-Oct-20
20100276-001	Vinyl acetate	K, T, U	< 0.6 ppbv	0.6	AC-058	28-Oct-20
20100276-001	Vinyl chloride	K, T, U	< 0.03 ppbv	0.03	AC-058	28-Oct-20

Report certified by: Rebecca Holgate, Account Coordinator

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

Date: November 2, 2020

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ENVIRONMENTAL ANALYTICAL SERVICES

TEST REPORT

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Revision History

Order ID	Ver	Date	Reason
20100276	01	02-Nov-20	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

20100276

Return canister back to EAS when analysis is complete. Carbon Isotopic Analysis required.



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ENVIRONMENTAL ANALYTICAL SERVICES

TEST REPORT

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Sample Comments

20100276-001

RSC past hold time, client agreed to testing past hold time.



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ENVIRONMENTAL ANALYTICAL SERVICES

TEST REPORT

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Result Comments

Note:

- 1. Results relate only to items tested and apply to the sample as received.*
- 2. This report shall not be reproduced, except in full, without the explicit approval of the laboratory.*