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ENVIRONMENTAL ANALYTICAL SERVICES

TEST REPORT

<p>RESULTS: Karla Reesor 403 807 2995 Peace River Area Monitoring Program Committee</p> <p>INVOICE: Office Manager</p>	<p style="text-align: center;">CLIENT SAMPLE ID PRAMP_Reno-20221008</p> <p>MATRIX: Ambient Air</p> <p>CANISTER ID: 32235</p> <p>PRIORITY: Normal</p> <p>DESCRIPTION: NMHC Trigger</p> <p>DATE SAMPLED: 08-Oct-22 21:55 DATE RECEIVED: 12-Oct-22</p> <p>REPORT CREATED: 17-Oct-22 REPORT NUMBER: 22100067</p> <p style="text-align: right;">VERSION: Version 01</p>
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Lab ID	Parameter	Qualifier	Result	Units	RDL	Method	Analysis Date
22100067-001	1-Butene	K, T, U	< 0.15	ppmv	0.15	NA-025	13-Oct-22
22100067-001	Acetylene	K, T, U	< 0.12	ppmv	0.12	NA-025	13-Oct-22
22100067-001	n-Butane	K, T, U	< 0.3	ppmv	0.3	NA-025	13-Oct-22
22100067-001	cis-2-Butene	K, T, U	< 0.06	ppmv	0.06	NA-025	13-Oct-22
22100067-001	Ethane	K, T, U	< 0.2	ppmv	0.2	NA-025	13-Oct-22
22100067-001	Ethylacetylene	K, T, U	< 0.09	ppmv	0.09	NA-025	13-Oct-22
22100067-001	Ethylene	K, T, U	< 0.11	ppmv	0.11	NA-025	13-Oct-22
22100067-001	Isobutane	K, T, U	< 0.2	ppmv	0.2	NA-025	13-Oct-22
22100067-001	Isobutylene	K, T, U	< 0.2	ppmv	0.2	NA-025	13-Oct-22
22100067-001	Methane		3.0	ppmv	0.2	NA-025	13-Oct-22
22100067-001	n-Propane	K, T, U	< 0.11	ppmv	0.11	NA-025	13-Oct-22
22100067-001	Propylene	K, T, U	< 0.2	ppmv	0.2	NA-025	13-Oct-22
22100067-001	Propyne	K, T, U	< 0.2	ppmv	0.2	NA-025	13-Oct-22
22100067-001	trans-2-Butene	K, T, U	< 0.14	ppmv	0.14	NA-025	13-Oct-22
22100067-001	2,5-Dimethylthiophene	K, T, U	< 0.5	ppbv	0.5	NA-024	12-Oct-22
22100067-001	2-Ethylthiophene	K, T, U	< 0.3	ppbv	0.3	NA-024	12-Oct-22
22100067-001	2-Methylthiophene	K, T, U	< 0.3	ppbv	0.3	NA-024	12-Oct-22
22100067-001	3-Methylthiophene	K, T, U	< 0.5	ppbv	0.5	NA-024	12-Oct-22

CLIENT SAMPLE ID	CANISTER ID	Matrix	DATE SAMPLED
PRAMP_Reno-20221008	32235	Ambient Air	08-Oct-22 21:55
DESCRIPTION:	NMHC Trigger		
REPORT NUMBER:	REPORT CREATED:	VERSION:	Version 01
22100067	17-Oct-22		

Lab ID	Parameter	Qualifier	Result Units	RDL	Method	Analysis Date
22100067-001	Butyl mercaptan	K, T, U	< 0.5 ppbv	0.5	NA-024	12-Oct-22
22100067-001	Carbon disulphide		1.8 ppbv	0.3	NA-024	12-Oct-22
22100067-001	Carbonyl sulphide	K, T, U	< 0.5 ppbv	0.5	NA-024	12-Oct-22
22100067-001	Dimethyl disulphide	K, T, U	< 0.3 ppbv	0.3	NA-024	12-Oct-22
22100067-001	Dimethyl sulphide	K, T, U	< 0.3 ppbv	0.3	NA-024	12-Oct-22
22100067-001	Ethyl mercaptan	K, T, U	< 0.5 ppbv	0.5	NA-024	12-Oct-22
22100067-001	Ethyl sulphide	K, T, U	< 0.5 ppbv	0.5	NA-024	12-Oct-22
22100067-001	Hydrogen sulphide	K, T, U	< 0.5 ppbv	0.5	NA-024	12-Oct-22
22100067-001	Isobutyl mercaptan	K, T, U	< 0.5 ppbv	0.5	NA-024	12-Oct-22
22100067-001	Isopropyl mercaptan	K, T, U	< 0.5 ppbv	0.5	NA-024	12-Oct-22
22100067-001	Methyl mercaptan	K, T, U	< 0.3 ppbv	0.3	NA-024	12-Oct-22
22100067-001	Pentyl mercaptan	K, T, U	< 0.6 ppbv	0.6	NA-024	12-Oct-22
22100067-001	Propyl mercaptan	K, T, U	< 0.6 ppbv	0.6	NA-024	12-Oct-22
22100067-001	tert-Butyl mercaptan	K, T, U	< 0.5 ppbv	0.5	NA-024	12-Oct-22
22100067-001	Thiophene/sec-Butyl mercaptan	K, T, U	< 0.3 ppbv	0.3	NA-024	12-Oct-22
22100067-001	1,1,1-Trichloroethane	K, T, U	< 0.03 ppbv	0.03	AC-058	14-Oct-22
22100067-001	1,1,2,2-Tetrachloroethane	K, T, U	< 0.03 ppbv	0.03	AC-058	14-Oct-22
22100067-001	1,1,2-Trichloroethane	K, T, U	< 0.03 ppbv	0.03	AC-058	14-Oct-22
22100067-001	1,1-Dichloroethane	K, T, U	< 0.03 ppbv	0.03	AC-058	14-Oct-22
22100067-001	1,1-Dichloroethylene	K, T, U	< 0.03 ppbv	0.03	AC-058	14-Oct-22
22100067-001	1,2,3-Trimethylbenzene	K, T, U	< 0.08 ppbv	0.08	AC-058	14-Oct-22
22100067-001	1,2,4-Trichlorobenzene	K, T, U	< 0.5 ppbv	0.5	AC-058	14-Oct-22
22100067-001	1,2,4-Trimethylbenzene	I	0.11 ppbv	0.05	AC-058	14-Oct-22
22100067-001	1,2-Dibromoethane	K, T, U	< 0.03 ppbv	0.03	AC-058	14-Oct-22
22100067-001	1,2-Dichlorobenzene	K, T, U	< 0.05 ppbv	0.05	AC-058	14-Oct-22

Report certified by: Rebecca Dasilva, Account Coordinator

On behalf of: A. Prefontaine, Manager, Chemical Testing

Date: October 17, 2022

Inquiries: (780) 632 8455

E-mail: EAS.Results@innotechalberta.ca

CLIENT SAMPLE ID	CANISTER ID	Matrix	DATE SAMPLED	
PRAMP_Reno-20221008	32235	Ambient Air	08-Oct-22	21:55
DESCRIPTION:	NMHC Trigger			
REPORT NUMBER:	22100067	REPORT CREATED:	17-Oct-22	VERSION: Version 01

Lab ID	Parameter	Qualifier	Result	Units	RDL	Method	Analysis Date
22100067-001	1,2-Dichloroethane	K, T, U	< 0.05	ppbv	0.05	AC-058	14-Oct-22
22100067-001	1,2-Dichloropropane	K, T, U	< 0.05	ppbv	0.05	AC-058	14-Oct-22
22100067-001	1,3,5-Trimethylbenzene	K, T, U	< 0.05	ppbv	0.05	AC-058	14-Oct-22
22100067-001	1,3-Butadiene	K, T, U	< 0.05	ppbv	0.05	AC-058	14-Oct-22
22100067-001	1,3-Dichlorobenzene	K, T, U	< 0.6	ppbv	0.6	AC-058	14-Oct-22
22100067-001	1,4-Dichlorobenzene	K, T, U	< 0.6	ppbv	0.6	AC-058	14-Oct-22
22100067-001	1,4-Dioxane	K, T, U	< 0.8	ppbv	0.8	AC-058	14-Oct-22
22100067-001	1-Butene/Isobutylene		1.16	ppbv	0.09	AC-058	14-Oct-22
22100067-001	1-Hexene/2-Methyl-1-pentene	K, T, U	< 0.11	ppbv	0.11	AC-058	14-Oct-22
22100067-001	1-Pentene	K, T, U	< 0.05	ppbv	0.05	AC-058	14-Oct-22
22100067-001	2,2,4-Trimethylpentane	K, T, U	< 0.03	ppbv	0.03	AC-058	14-Oct-22
22100067-001	2,2-Dimethylbutane	I	0.10	ppbv	0.03	AC-058	14-Oct-22
22100067-001	2,3,4-Trimethylpentane	K, T, U	< 0.03	ppbv	0.03	AC-058	14-Oct-22
22100067-001	2,3-Dimethylbutane		0.19	ppbv	0.14	AC-058	14-Oct-22
22100067-001	2,3-Dimethylpentane	I	0.14	ppbv	0.03	AC-058	14-Oct-22
22100067-001	2,4-Dimethylpentane	K, T, U	< 0.05	ppbv	0.05	AC-058	14-Oct-22
22100067-001	2-Methylheptane	K, T, U	< 0.03	ppbv	0.03	AC-058	14-Oct-22
22100067-001	2-Methylhexane	K, T, U	< 0.05	ppbv	0.05	AC-058	14-Oct-22
22100067-001	2-Methylpentane	K, T, U	< 0.03	ppbv	0.03	AC-058	14-Oct-22
22100067-001	3-Methylheptane	K, T, U	< 0.05	ppbv	0.05	AC-058	14-Oct-22
22100067-001	3-Methylhexane	K, T, U	< 0.03	ppbv	0.03	AC-058	14-Oct-22
22100067-001	3-Methylpentane		0.17	ppbv	0.03	AC-058	14-Oct-22
22100067-001	Acetone		3.6	ppbv	0.6	AC-058	14-Oct-22
22100067-001	Acrolein	K, T, U	< 0.5	ppbv	0.5	AC-058	14-Oct-22
22100067-001	Benzene	I	0.27	ppbv	0.05	AC-058	14-Oct-22

Report certified by: Rebecca Dasilva, Account Coordinator

On behalf of: A. Prefontaine, Manager, Chemical Testing

Date: October 17, 2022

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PRAMP_Reno-20221008	32235	Ambient Air	08-Oct-22 21:55
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22100067	17-Oct-22		

Lab ID	Parameter	Qualifier	Result Units	RDL	Method	Analysis Date
22100067-001	Benzyl chloride	K, T, U	< 0.5 ppbv	0.5	AC-058	14-Oct-22
22100067-001	Bromodichloromethane	K, T, U	< 0.05 ppbv	0.05	AC-058	14-Oct-22
22100067-001	Bromoform	K, T, U	< 0.03 ppbv	0.03	AC-058	14-Oct-22
22100067-001	Bromomethane	K, T, U	< 0.03 ppbv	0.03	AC-058	14-Oct-22
22100067-001	Carbon disulfide		0.34 ppbv	0.03	AC-058	14-Oct-22
22100067-001	Carbon tetrachloride	I	0.08 ppbv	0.03	AC-058	14-Oct-22
22100067-001	Chlorobenzene	K, T, U	< 0.03 ppbv	0.03	AC-058	14-Oct-22
22100067-001	Chloroethane	K, T, U	< 0.03 ppbv	0.03	AC-058	14-Oct-22
22100067-001	Chloroform	K, T, U	< 0.03 ppbv	0.03	AC-058	14-Oct-22
22100067-001	Chloromethane		0.62 ppbv	0.06	AC-058	14-Oct-22
22100067-001	cis-1,2-Dichloroethene	I	0.05 ppbv	0.03	AC-058	14-Oct-22
22100067-001	cis-1,3-Dichloropropene	K, T, U	< 0.05 ppbv	0.05	AC-058	14-Oct-22
22100067-001	cis-2-Butene	I	0.12 ppbv	0.05	AC-058	14-Oct-22
22100067-001	cis-2-Pentene	K, T, U	< 0.03 ppbv	0.03	AC-058	14-Oct-22
22100067-001	Cyclohexane		0.34 ppbv	0.06	AC-058	14-Oct-22
22100067-001	Cyclopentane		0.20 ppbv	0.03	AC-058	14-Oct-22
22100067-001	Dibromochloromethane	K, T, U	< 0.03 ppbv	0.03	AC-058	14-Oct-22
22100067-001	Ethanol		2.2 ppbv	0.8	AC-058	14-Oct-22
22100067-001	Ethyl acetate	K, T, U	< 0.5 ppbv	0.5	AC-058	14-Oct-22
22100067-001	Ethylbenzene	K, T, U	< 0.05 ppbv	0.05	AC-058	14-Oct-22
22100067-001	Freon-11		0.19 ppbv	0.03	AC-058	14-Oct-22
22100067-001	Freon-113	I	0.03 ppbv	0.03	AC-058	14-Oct-22
22100067-001	Freon-114	K, T, U	< 0.05 ppbv	0.05	AC-058	14-Oct-22
22100067-001	Freon-12		0.52 ppbv	0.05	AC-058	14-Oct-22
22100067-001	Hexachloro-1,3-butadiene	K, T, U	< 0.5 ppbv	0.5	AC-058	14-Oct-22

Report certified by: Rebecca Dasilva, Account Coordinator

On behalf of: A. Prefontaine, Manager, Chemical Testing

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CLIENT SAMPLE ID	CANISTER ID	Matrix	DATE SAMPLED
PRAMP_Reno-20221008	32235	Ambient Air	08-Oct-22 21:55
DESCRIPTION:	NMHC Trigger		
REPORT NUMBER:	REPORT CREATED:	VERSION:	Version 01
22100067	17-Oct-22		

Lab ID	Parameter	Qualifier	Result	Units	RDL	Method	Analysis Date
22100067-001	Isobutane		0.87	ppbv	0.05	AC-058	14-Oct-22
22100067-001	Isopentane		0.81	ppbv	0.06	AC-058	14-Oct-22
22100067-001	Isoprene	K, T, U	< 0.03	ppbv	0.03	AC-058	14-Oct-22
22100067-001	Isopropyl alcohol	K, T, U	< 0.5	ppbv	0.5	AC-058	14-Oct-22
22100067-001	Isopropylbenzene	K, T, U	< 0.06	ppbv	0.06	AC-058	14-Oct-22
22100067-001	m,p-Xylene	I	0.21	ppbv	0.06	AC-058	14-Oct-22
22100067-001	m-Diethylbenzene	K, T, U	< 0.03	ppbv	0.03	AC-058	14-Oct-22
22100067-001	m-Ethyltoluene	I	0.09	ppbv	0.05	AC-058	14-Oct-22
22100067-001	Methyl butyl ketone	K, T, U	< 0.6	ppbv	0.6	AC-058	14-Oct-22
22100067-001	Methyl ethyl ketone	K, T, U	< 0.5	ppbv	0.5	AC-058	14-Oct-22
22100067-001	Methyl isobutyl ketone	K, T, U	< 0.5	ppbv	0.5	AC-058	14-Oct-22
22100067-001	Methyl methacrylate	K, T, U	< 0.12	ppbv	0.12	AC-058	14-Oct-22
22100067-001	Methyl tert butyl ether	K, T, U	< 0.05	ppbv	0.05	AC-058	14-Oct-22
22100067-001	Methylcyclohexane		0.40	ppbv	0.03	AC-058	14-Oct-22
22100067-001	Methylcyclopentane		0.32	ppbv	0.08	AC-058	14-Oct-22
22100067-001	Methylene chloride	K, T, U	< 0.5	ppbv	0.5	AC-058	14-Oct-22
22100067-001	n-Butane		2.48	ppbv	0.03	AC-058	14-Oct-22
22100067-001	n-Decane	K, T, U	< 0.09	ppbv	0.09	AC-058	14-Oct-22
22100067-001	n-Dodecane	K, T, U	< 0.5	ppbv	0.5	AC-058	14-Oct-22
22100067-001	n-Heptane	I	0.18	ppbv	0.06	AC-058	14-Oct-22
22100067-001	n-Hexane	I	0.22	ppbv	0.05	AC-058	14-Oct-22
22100067-001	n-Octane	K, T, U	< 0.03	ppbv	0.03	AC-058	14-Oct-22
22100067-001	n-Pentane		0.59	ppbv	0.06	AC-058	14-Oct-22
22100067-001	n-Propylbenzene	K, T, U	< 0.09	ppbv	0.09	AC-058	14-Oct-22
22100067-001	n-Undecane	K, T, U	< 0.8	ppbv	0.8	AC-058	14-Oct-22

Report certified by: Rebecca Dasilva, Account Coordinator

On behalf of: A. Prefontaine, Manager, Chemical Testing

Date: October 17, 2022

Inquiries: (780) 632 8455

E-mail: EAS.Results@innotechalberta.ca

CLIENT SAMPLE ID	CANISTER ID	Matrix	DATE SAMPLED
PRAMP_Reno-20221008	32235	Ambient Air	08-Oct-22 21:55
DESCRIPTION:	NMHC Trigger		
REPORT NUMBER:	REPORT CREATED:	VERSION:	Version 01
22100067	17-Oct-22		

Lab ID	Parameter	Qualifier	Result Units	RDL	Method	Analysis Date
22100067-001	Naphthalene	K, T, U	< 0.5 ppbv	0.5	AC-058	14-Oct-22
22100067-001	n-Nonane	K, T, U	< 0.06 ppbv	0.06	AC-058	14-Oct-22
22100067-001	o-Ethyltoluene	K, T, U	< 0.03 ppbv	0.03	AC-058	14-Oct-22
22100067-001	o-Xylene	I	0.14 ppbv	0.05	AC-058	14-Oct-22
22100067-001	p-Diethylbenzene	K, T, U	< 0.03 ppbv	0.03	AC-058	14-Oct-22
22100067-001	p-Ethyltoluene	K, T, U	< 0.06 ppbv	0.06	AC-058	14-Oct-22
22100067-001	Styrene	I	0.22 ppbv	0.06	AC-058	14-Oct-22
22100067-001	Tetrachloroethylene	K, T, U	< 0.03 ppbv	0.03	AC-058	14-Oct-22
22100067-001	Tetrahydrofuran	K, T, U	< 0.5 ppbv	0.5	AC-058	14-Oct-22
22100067-001	Toluene	I	0.29 ppbv	0.05	AC-058	14-Oct-22
22100067-001	trans-1,2-Dichloroethylene		13.6 ppbv	0.09	AC-058	14-Oct-22
22100067-001	trans-1,3-Dichloropropylene	K, T, U	< 0.03 ppbv	0.03	AC-058	14-Oct-22
22100067-001	trans-2-Butene		0.24 ppbv	0.05	AC-058	14-Oct-22
22100067-001	trans-2-Pentene	K, T, U	< 0.03 ppbv	0.03	AC-058	14-Oct-22
22100067-001	Trichloroethylene	K, T, U	< 0.03 ppbv	0.03	AC-058	14-Oct-22
22100067-001	Vinyl acetate	K, T, U	< 0.5 ppbv	0.5	AC-058	14-Oct-22
22100067-001	Vinyl chloride	K, T, U	< 0.03 ppbv	0.03	AC-058	14-Oct-22

CLIENT SAMPLE ID	CANISTER ID	Matrix	DATE SAMPLED
PRAMP_Reno-Blank	28958	Ambient Air	08-Oct-22 21:55
DESCRIPTION:	NMHC Blank		
REPORT NUMBER:	REPORT CREATED:	VERSION:	Version 01
22100067	17-Oct-22		

Lab ID	Parameter	Qualifier	Result Units	RDL	Method	Analysis Date
22100067-002	1-Butene	K, T, U	< 0.10 ppmv	0.10	NA-025	13-Oct-22
22100067-002	Acetylene	K, T, U	< 0.08 ppmv	0.08	NA-025	13-Oct-22
22100067-002	n-Butane	K, T, U	< 0.2 ppmv	0.2	NA-025	13-Oct-22
22100067-002	cis-2-Butene	K, T, U	< 0.04 ppmv	0.04	NA-025	13-Oct-22
22100067-002	Ethane	K, T, U	< 0.1 ppmv	0.1	NA-025	13-Oct-22
22100067-002	Ethylacetylene	K, T, U	< 0.06 ppmv	0.06	NA-025	13-Oct-22
22100067-002	Ethylene	K, T, U	< 0.07 ppmv	0.07	NA-025	13-Oct-22
22100067-002	Isobutane	K, T, U	< 0.1 ppmv	0.1	NA-025	13-Oct-22
22100067-002	Isobutylene	K, T, U	< 0.1 ppmv	0.1	NA-025	13-Oct-22
22100067-002	Methane	K, T, U	< 0.1 ppmv	0.1	NA-025	13-Oct-22
22100067-002	n-Propane	K, T, U	< 0.07 ppmv	0.07	NA-025	13-Oct-22
22100067-002	Propylene	K, T, U	< 0.1 ppmv	0.1	NA-025	13-Oct-22
22100067-002	Propyne	K, T, U	< 0.1 ppmv	0.1	NA-025	13-Oct-22
22100067-002	trans-2-Butene	K, T, U	< 0.09 ppmv	0.09	NA-025	13-Oct-22
22100067-002	2,5-Dimethylthiophene	K, T, U	< 0.3 ppbv	0.3	NA-024	12-Oct-22
22100067-002	2-Ethylthiophene	K, T, U	< 0.2 ppbv	0.2	NA-024	12-Oct-22
22100067-002	2-Methylthiophene	K, T, U	< 0.2 ppbv	0.2	NA-024	12-Oct-22
22100067-002	3-Methylthiophene	K, T, U	< 0.3 ppbv	0.3	NA-024	12-Oct-22
22100067-002	Butyl mercaptan	K, T, U	< 0.3 ppbv	0.3	NA-024	12-Oct-22
22100067-002	Carbon disulphide	K, T, U	< 0.2 ppbv	0.2	NA-024	12-Oct-22
22100067-002	Carbonyl sulphide	K, T, U	< 0.3 ppbv	0.3	NA-024	12-Oct-22
22100067-002	Dimethyl disulphide	K, T, U	< 0.2 ppbv	0.2	NA-024	12-Oct-22
22100067-002	Dimethyl sulphide	K, T, U	< 0.2 ppbv	0.2	NA-024	12-Oct-22
22100067-002	Ethyl mercaptan	K, T, U	< 0.3 ppbv	0.3	NA-024	12-Oct-22
22100067-002	Ethyl sulphide	K, T, U	< 0.3 ppbv	0.3	NA-024	12-Oct-22

Report certified by: Graham Knox, Admin. & Ops. Supervisor

On behalf of: A. Prefontaine, Manager, Chemical Testing

Date: October 17, 2022

Inquiries: (780) 632 8455

E-mail: EAS.Results@innotechalberta.ca

CLIENT SAMPLE ID	PRAMP_Reno-Blank	CANISTER ID	28958	Matrix	Ambient Air	DATE SAMPLED	08-Oct-22 21:55
DESCRIPTION:	NMHC Blank						
REPORT NUMBER:	22100067	REPORT CREATED:	17-Oct-22	VERSION:	Version 01		

Lab ID	Parameter	Qualifier	Result	Units	RDL	Method	Analysis Date
22100067-002	Hydrogen sulphide	K, T, U	< 0.3	ppbv	0.3	NA-024	12-Oct-22
22100067-002	Isobutyl mercaptan	K, T, U	< 0.3	ppbv	0.3	NA-024	12-Oct-22
22100067-002	Isopropyl mercaptan	K, T, U	< 0.3	ppbv	0.3	NA-024	12-Oct-22
22100067-002	Methyl mercaptan	K, T, U	< 0.2	ppbv	0.2	NA-024	12-Oct-22
22100067-002	Pentyl mercaptan	K, T, U	< 0.4	ppbv	0.4	NA-024	12-Oct-22
22100067-002	Propyl mercaptan	K, T, U	< 0.4	ppbv	0.4	NA-024	12-Oct-22
22100067-002	tert-Butyl mercaptan	K, T, U	< 0.3	ppbv	0.3	NA-024	12-Oct-22
22100067-002	Thiophene/sec-Butyl mercaptan	K, T, U	< 0.2	ppbv	0.2	NA-024	12-Oct-22
22100067-002	1,1,1-Trichloroethane	K, T, U	< 0.02	ppbv	0.02	AC-058	14-Oct-22
22100067-002	1,1,2,2-Tetrachloroethane	K, T, U	< 0.02	ppbv	0.02	AC-058	14-Oct-22
22100067-002	1,1,2-Trichloroethane	K, T, U	< 0.02	ppbv	0.02	AC-058	14-Oct-22
22100067-002	1,1-Dichloroethane	K, T, U	< 0.02	ppbv	0.02	AC-058	14-Oct-22
22100067-002	1,1-Dichloroethylene	K, T, U	< 0.02	ppbv	0.02	AC-058	14-Oct-22
22100067-002	1,2,3-Trimethylbenzene	K, T, U	< 0.05	ppbv	0.05	AC-058	14-Oct-22
22100067-002	1,2,4-Trichlorobenzene	K, T, U	< 0.3	ppbv	0.3	AC-058	14-Oct-22
22100067-002	1,2,4-Trimethylbenzene	K, T, U	< 0.03	ppbv	0.03	AC-058	14-Oct-22
22100067-002	1,2-Dibromoethane	K, T, U	< 0.02	ppbv	0.02	AC-058	14-Oct-22
22100067-002	1,2-Dichlorobenzene	K, T, U	< 0.03	ppbv	0.03	AC-058	14-Oct-22
22100067-002	1,2-Dichloroethane	K, T, U	< 0.03	ppbv	0.03	AC-058	14-Oct-22
22100067-002	1,2-Dichloropropane	K, T, U	< 0.03	ppbv	0.03	AC-058	14-Oct-22
22100067-002	1,3,5-Trimethylbenzene	K, T, U	< 0.03	ppbv	0.03	AC-058	14-Oct-22
22100067-002	1,3-Butadiene	K, T, U	< 0.03	ppbv	0.03	AC-058	14-Oct-22
22100067-002	1,3-Dichlorobenzene	K, T, U	< 0.4	ppbv	0.4	AC-058	14-Oct-22
22100067-002	1,4-Dichlorobenzene	K, T, U	< 0.4	ppbv	0.4	AC-058	14-Oct-22
22100067-002	1,4-Dioxane	K, T, U	< 0.5	ppbv	0.5	AC-058	14-Oct-22

Report certified by: Rebecca Dasilva, Account Coordinator

On behalf of: A. Prefontaine, Manager, Chemical Testing

Date: October 17, 2022

Inquiries: (780) 632 8455

E-mail: EAS.Results@innotechalberta.ca

CLIENT SAMPLE ID	PRAMP_Reno-Blank	CANISTER ID	28958	Matrix	Ambient Air	DATE SAMPLED	08-Oct-22 21:55
DESCRIPTION:	NMHC Blank						
REPORT NUMBER:	22100067	REPORT CREATED:	17-Oct-22	VERSION:	Version 01		

Lab ID	Parameter	Qualifier	Result	Units	RDL	Method	Analysis Date
22100067-002	1-Butene/Isobutylene		1.57	ppbv	0.06	AC-058	14-Oct-22
22100067-002	1-Hexene/2-Methyl-1-pentene	K, T, U	< 0.07	ppbv	0.07	AC-058	14-Oct-22
22100067-002	1-Pentene	K, T, U	< 0.03	ppbv	0.03	AC-058	14-Oct-22
22100067-002	2,2,4-Trimethylpentane	K, T, U	< 0.02	ppbv	0.02	AC-058	14-Oct-22
22100067-002	2,2-Dimethylbutane	K, T, U	< 0.02	ppbv	0.02	AC-058	14-Oct-22
22100067-002	2,3,4-Trimethylpentane	K, T, U	< 0.02	ppbv	0.02	AC-058	14-Oct-22
22100067-002	2,3-Dimethylbutane	K, T, U	< 0.09	ppbv	0.09	AC-058	14-Oct-22
22100067-002	2,3-Dimethylpentane	K, T, U	< 0.02	ppbv	0.02	AC-058	14-Oct-22
22100067-002	2,4-Dimethylpentane	K, T, U	< 0.03	ppbv	0.03	AC-058	14-Oct-22
22100067-002	2-Methylheptane	K, T, U	< 0.02	ppbv	0.02	AC-058	14-Oct-22
22100067-002	2-Methylhexane	K, T, U	< 0.03	ppbv	0.03	AC-058	14-Oct-22
22100067-002	2-Methylpentane	K, T, U	< 0.02	ppbv	0.02	AC-058	14-Oct-22
22100067-002	3-Methylheptane	K, T, U	< 0.03	ppbv	0.03	AC-058	14-Oct-22
22100067-002	3-Methylhexane	K, T, U	< 0.02	ppbv	0.02	AC-058	14-Oct-22
22100067-002	3-Methylpentane	K, T, U	< 0.02	ppbv	0.02	AC-058	14-Oct-22
22100067-002	Acetone	K, T, U	< 0.4	ppbv	0.4	AC-058	14-Oct-22
22100067-002	Acrolein	K, T, U	< 0.3	ppbv	0.3	AC-058	14-Oct-22
22100067-002	Benzene	K, T, U	< 0.03	ppbv	0.03	AC-058	14-Oct-22
22100067-002	Benzyl chloride	K, T, U	< 0.3	ppbv	0.3	AC-058	14-Oct-22
22100067-002	Bromodichloromethane	K, T, U	< 0.03	ppbv	0.03	AC-058	14-Oct-22
22100067-002	Bromoform	K, T, U	< 0.02	ppbv	0.02	AC-058	14-Oct-22
22100067-002	Bromomethane	K, T, U	< 0.02	ppbv	0.02	AC-058	14-Oct-22
22100067-002	Carbon disulfide	K, T, U	< 0.02	ppbv	0.02	AC-058	14-Oct-22
22100067-002	Carbon tetrachloride	K, T, U	< 0.02	ppbv	0.02	AC-058	14-Oct-22
22100067-002	Chlorobenzene	K, T, U	< 0.02	ppbv	0.02	AC-058	14-Oct-22

Report certified by: Rebecca Dasilva, Account Coordinator

On behalf of: A. Prefontaine, Manager, Chemical Testing

Date: October 17, 2022

Inquiries: (780) 632 8455

E-mail: EAS.Results@innotechalberta.ca

CLIENT SAMPLE ID	CANISTER ID	Matrix	DATE SAMPLED
PRAMP_Reno-Blank	28958	Ambient Air	08-Oct-22 21:55
DESCRIPTION:	NMHC Blank		
REPORT NUMBER:	REPORT CREATED:	VERSION:	Version 01
22100067	17-Oct-22		

Lab ID	Parameter	Qualifier	Result	Units	RDL	Method	Analysis Date
22100067-002	Chloroethane	K, T, U	< 0.02	ppbv	0.02	AC-058	14-Oct-22
22100067-002	Chloroform	K, T, U	< 0.02	ppbv	0.02	AC-058	14-Oct-22
22100067-002	Chloromethane	K, T, U	< 0.04	ppbv	0.04	AC-058	14-Oct-22
22100067-002	cis-1,2-Dichloroethene	K, T, U	< 0.02	ppbv	0.02	AC-058	14-Oct-22
22100067-002	cis-1,3-Dichloropropene	K, T, U	< 0.03	ppbv	0.03	AC-058	14-Oct-22
22100067-002	cis-2-Butene	K, T, U	< 0.03	ppbv	0.03	AC-058	14-Oct-22
22100067-002	cis-2-Pentene	K, T, U	< 0.02	ppbv	0.02	AC-058	14-Oct-22
22100067-002	Cyclohexane	K, T, U	< 0.04	ppbv	0.04	AC-058	14-Oct-22
22100067-002	Cyclopentane		0.11	ppbv	0.02	AC-058	14-Oct-22
22100067-002	Dibromochloromethane	K, T, U	< 0.02	ppbv	0.02	AC-058	14-Oct-22
22100067-002	Ethanol	K, T, U	< 0.5	ppbv	0.5	AC-058	14-Oct-22
22100067-002	Ethyl acetate	K, T, U	< 0.3	ppbv	0.3	AC-058	14-Oct-22
22100067-002	Ethylbenzene	K, T, U	< 0.03	ppbv	0.03	AC-058	14-Oct-22
22100067-002	Freon-11	K, T, U	< 0.02	ppbv	0.02	AC-058	14-Oct-22
22100067-002	Freon-113	K, T, U	< 0.02	ppbv	0.02	AC-058	14-Oct-22
22100067-002	Freon-114	K, T, U	< 0.03	ppbv	0.03	AC-058	14-Oct-22
22100067-002	Freon-12	K, T, U	< 0.03	ppbv	0.03	AC-058	14-Oct-22
22100067-002	Hexachloro-1,3-butadiene	K, T, U	< 0.3	ppbv	0.3	AC-058	14-Oct-22
22100067-002	Isobutane		0.37	ppbv	0.03	AC-058	14-Oct-22
22100067-002	Isopentane		0.39	ppbv	0.04	AC-058	14-Oct-22
22100067-002	Isoprene	K, T, U	< 0.02	ppbv	0.02	AC-058	14-Oct-22
22100067-002	Isopropyl alcohol	K, T, U	< 0.3	ppbv	0.3	AC-058	14-Oct-22
22100067-002	Isopropylbenzene	K, T, U	< 0.04	ppbv	0.04	AC-058	14-Oct-22
22100067-002	m,p-Xylene	K, T, U	< 0.04	ppbv	0.04	AC-058	14-Oct-22
22100067-002	m-Diethylbenzene	K, T, U	< 0.02	ppbv	0.02	AC-058	14-Oct-22

Report certified by: Rebecca Dasilva, Account Coordinator

On behalf of: A. Prefontaine, Manager, Chemical Testing

Date: October 17, 2022

Inquiries: (780) 632 8455

E-mail: EAS.Results@innotechalberta.ca

CLIENT SAMPLE ID	CANISTER ID	Matrix	DATE SAMPLED
PRAMP_Reno-Blank	28958	Ambient Air	08-Oct-22 21:55
DESCRIPTION:	NMHC Blank		
REPORT NUMBER:	22100067	REPORT CREATED:	17-Oct-22
		VERSION:	Version 01

Lab ID	Parameter	Qualifier	Result	Units	RDL	Method	Analysis Date
22100067-002	m-Ethyltoluene	K, T, U	< 0.03	ppbv	0.03	AC-058	14-Oct-22
22100067-002	Methyl butyl ketone	K, T, U	< 0.4	ppbv	0.4	AC-058	14-Oct-22
22100067-002	Methyl ethyl ketone	K, T, U	< 0.3	ppbv	0.3	AC-058	14-Oct-22
22100067-002	Methyl isobutyl ketone	K, T, U	< 0.3	ppbv	0.3	AC-058	14-Oct-22
22100067-002	Methyl methacrylate	K, T, U	< 0.08	ppbv	0.08	AC-058	14-Oct-22
22100067-002	Methyl tert butyl ether	K, T, U	< 0.03	ppbv	0.03	AC-058	14-Oct-22
22100067-002	Methylcyclohexane	K, T, U	< 0.02	ppbv	0.02	AC-058	14-Oct-22
22100067-002	Methylcyclopentane	K, T, U	< 0.05	ppbv	0.05	AC-058	14-Oct-22
22100067-002	Methylene chloride	K, T, U	< 0.3	ppbv	0.3	AC-058	14-Oct-22
22100067-002	n-Butane		4.01	ppbv	0.02	AC-058	14-Oct-22
22100067-002	n-Decane	K, T, U	< 0.06	ppbv	0.06	AC-058	14-Oct-22
22100067-002	n-Dodecane	K, T, U	< 0.3	ppbv	0.3	AC-058	14-Oct-22
22100067-002	n-Heptane	K, T, U	< 0.04	ppbv	0.04	AC-058	14-Oct-22
22100067-002	n-Hexane	K, T, U	< 0.03	ppbv	0.03	AC-058	14-Oct-22
22100067-002	n-Octane	K, T, U	< 0.02	ppbv	0.02	AC-058	14-Oct-22
22100067-002	n-Pentane		0.58	ppbv	0.04	AC-058	14-Oct-22
22100067-002	n-Propylbenzene	K, T, U	< 0.06	ppbv	0.06	AC-058	14-Oct-22
22100067-002	n-Undecane	K, T, U	< 0.5	ppbv	0.5	AC-058	14-Oct-22
22100067-002	Naphthalene	K, T, U	< 0.3	ppbv	0.3	AC-058	14-Oct-22
22100067-002	n-Nonane	K, T, U	< 0.04	ppbv	0.04	AC-058	14-Oct-22
22100067-002	o-Ethyltoluene	K, T, U	< 0.02	ppbv	0.02	AC-058	14-Oct-22
22100067-002	o-Xylene	K, T, U	< 0.03	ppbv	0.03	AC-058	14-Oct-22
22100067-002	p-Diethylbenzene	K, T, U	< 0.02	ppbv	0.02	AC-058	14-Oct-22
22100067-002	p-Ethyltoluene	K, T, U	< 0.04	ppbv	0.04	AC-058	14-Oct-22
22100067-002	Styrene	K, T, U	< 0.04	ppbv	0.04	AC-058	14-Oct-22

Report certified by: Rebecca Dasilva, Account Coordinator

On behalf of: A. Prefontaine, Manager, Chemical Testing

Date: October 17, 2022

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ENVIRONMENTAL ANALYTICAL SERVICES

TEST REPORT

CLIENT SAMPLE ID	CANISTER ID	Matrix	DATE SAMPLED
PRAMP_Reno-Blank	28958	Ambient Air	08-Oct-22 21:55
DESCRIPTION:	NMHC Blank		
REPORT NUMBER:	22100067	REPORT CREATED:	17-Oct-22
		VERSION:	Version 01

Lab ID	Parameter	Qualifier	Result Units	RDL	Method	Analysis Date
22100067-002	Tetrachloroethylene	K, T, U	< 0.02 ppbv	0.02	AC-058	14-Oct-22
22100067-002	Tetrahydrofuran	K, T, U	< 0.3 ppbv	0.3	AC-058	14-Oct-22
22100067-002	Toluene	K, T, U	< 0.03 ppbv	0.03	AC-058	14-Oct-22
22100067-002	trans-1,2-Dichloroethylene	K, T, U	< 0.06 ppbv	0.06	AC-058	14-Oct-22
22100067-002	trans-1,3-Dichloropropylene	K, T, U	< 0.02 ppbv	0.02	AC-058	14-Oct-22
22100067-002	trans-2-Butene	K, T, U	< 0.03 ppbv	0.03	AC-058	14-Oct-22
22100067-002	trans-2-Pentene	K, T, U	< 0.02 ppbv	0.02	AC-058	14-Oct-22
22100067-002	Trichloroethylene	K, T, U	< 0.02 ppbv	0.02	AC-058	14-Oct-22
22100067-002	Vinyl acetate	K, T, U	< 0.3 ppbv	0.3	AC-058	14-Oct-22
22100067-002	Vinyl chloride	K, T, U	< 0.02 ppbv	0.02	AC-058	14-Oct-22

Report certified by: Rebecca Dasilva, Account Coordinator

On behalf of: A. Prefontaine, Manager, Chemical Testing

Date: October 17, 2022

Inquiries: (780) 632 8455

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ENVIRONMENTAL ANALYTICAL SERVICES

TEST REPORT

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Revision History

Order ID	Ver	Date	Reason
22100067	01	17-Oct-22	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

22100067

Unknowns to be reported. Send invoice to pramptech@prampairshed.ca



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ENVIRONMENTAL ANALYTICAL SERVICES

TEST REPORT

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Sample Comments



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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.*