

<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_986c-20210804</p> <p>Matrix Ambient Air</p> <p>CANISTER ID: 29016</p> <p>PRIORITY: Normal</p> <p>DESCRIPTION: NMHC Trigger</p> <p>DATE SAMPLED: 04-Aug-21 6:15 DATE RECEIVED: 09-Aug-21</p> <p>REPORT CREATED: 30-Aug-21 REPORT NUMBER: 21080076</p> <p style="text-align: right;">VERSION: Version 01</p>
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Lab ID	Parameter	Qualifier	Result	Units	RDL	Method	Analysis Date
21080076-001	1-Butene	K, T, U	< 0.14	ppmv	0.14	NA-025	09-Aug-21
21080076-001	Acetylene	K, T, U	< 0.11	ppmv	0.11	NA-025	09-Aug-21
21080076-001	n-Butane	K, T, U	< 0.3	ppmv	0.3	NA-025	09-Aug-21
21080076-001	cis-2-Butene	K, T, U	< 0.06	ppmv	0.06	NA-025	09-Aug-21
21080076-001	Ethane	K, T, U	< 0.1	ppmv	0.1	NA-025	09-Aug-21
21080076-001	Ethylacetylene	K, T, U	< 0.08	ppmv	0.08	NA-025	09-Aug-21
21080076-001	Ethylene	K, T, U	< 0.10	ppmv	0.10	NA-025	09-Aug-21
21080076-001	Isobutane	K, T, U	< 0.1	ppmv	0.1	NA-025	09-Aug-21
21080076-001	Isobutylene	K, T, U	< 0.1	ppmv	0.1	NA-025	09-Aug-21
21080076-001	Methane		2.5	ppmv	0.1	NA-025	09-Aug-21
21080076-001	n-Propane	K, T, U	< 0.10	ppmv	0.10	NA-025	09-Aug-21
21080076-001	Propylene	K, T, U	< 0.1	ppmv	0.1	NA-025	09-Aug-21
21080076-001	Propyne	K, T, U	< 0.1	ppmv	0.1	NA-025	09-Aug-21
21080076-001	trans-2-Butene	K, T, U	< 0.13	ppmv	0.13	NA-025	09-Aug-21
21080076-001	2,5-Dimethylthiophene	K, T, U	< 0.4	ppbv	0.4	NA-024	09-Aug-21
21080076-001	2-Ethylthiophene	K, T, U	< 0.3	ppbv	0.3	NA-024	09-Aug-21
21080076-001	2-Methylthiophene	K, T, U	< 0.3	ppbv	0.3	NA-024	09-Aug-21
21080076-001	3-Methylthiophene	K, T, U	< 0.4	ppbv	0.4	NA-024	09-Aug-21

CLIENT SAMPLE ID	CANISTER ID	Matrix	DATE SAMPLED
PRAMP_986c-20210804	29016	Ambient Air	04-Aug-21 6:15
DESCRIPTION:	NMHC Trigger		
REPORT NUMBER:	REPORT CREATED:	VERSION:	Version 01
21080076	30-Aug-21		

Lab ID	Parameter	Qualifier	Result Units	RDL	Method	Analysis Date
21080076-001	Butyl mercaptan	K, T, U	< 0.4 ppbv	0.4	NA-024	09-Aug-21
21080076-001	Carbon disulphide		1.6 ppbv	0.3	NA-024	09-Aug-21
21080076-001	Carbonyl sulphide	K, T, U	< 0.4 ppbv	0.4	NA-024	09-Aug-21
21080076-001	Dimethyl disulphide	K, T, U	< 0.3 ppbv	0.3	NA-024	09-Aug-21
21080076-001	Dimethyl sulphide	K, T, U	< 0.3 ppbv	0.3	NA-024	09-Aug-21
21080076-001	Ethyl mercaptan	K, T, U	< 0.4 ppbv	0.4	NA-024	09-Aug-21
21080076-001	Ethyl sulphide	K, T, U	< 0.4 ppbv	0.4	NA-024	09-Aug-21
21080076-001	Hydrogen sulphide	K, T, U	< 0.4 ppbv	0.4	NA-024	09-Aug-21
21080076-001	Isobutyl mercaptan	K, T, U	< 0.4 ppbv	0.4	NA-024	09-Aug-21
21080076-001	Isopropyl mercaptan	K, T, U	< 0.4 ppbv	0.4	NA-024	09-Aug-21
21080076-001	Methyl mercaptan	K, T, U	< 0.3 ppbv	0.3	NA-024	09-Aug-21
21080076-001	Pentyl mercaptan	K, T, U	< 0.6 ppbv	0.6	NA-024	09-Aug-21
21080076-001	Propyl mercaptan	K, T, U	< 0.6 ppbv	0.6	NA-024	09-Aug-21
21080076-001	tert-Butyl mercaptan	K, T, U	< 0.4 ppbv	0.4	NA-024	09-Aug-21
21080076-001	Thiophene/sec-Butyl mercaptan	K, T, U	< 0.3 ppbv	0.3	NA-024	09-Aug-21
21080076-001	1,1,1-Trichloroethane	K, T, U	< 0.03 ppbv	0.03	AC-058	09-Aug-21
21080076-001	1,1,2,2-Tetrachloroethane	K, T, U	< 0.03 ppbv	0.03	AC-058	09-Aug-21
21080076-001	1,1,2-Trichloroethane	K, T, U	< 0.03 ppbv	0.03	AC-058	09-Aug-21
21080076-001	1,1-Dichloroethane	K, T, U	< 0.03 ppbv	0.03	AC-058	09-Aug-21
21080076-001	1,1-Dichloroethylene	K, T, U	< 0.03 ppbv	0.03	AC-058	09-Aug-21
21080076-001	1,2,3-Trimethylbenzene	K, T, U	< 0.07 ppbv	0.07	AC-058	09-Aug-21
21080076-001	1,2,4-Trichlorobenzene	K, T, U	< 0.4 ppbv	0.4	AC-058	09-Aug-21
21080076-001	1,2,4-Trimethylbenzene	K, T, U	< 0.04 ppbv	0.04	AC-058	09-Aug-21
21080076-001	1,2-Dibromoethane	K, T, U	< 0.03 ppbv	0.03	AC-058	09-Aug-21
21080076-001	1,2-Dichlorobenzene	K, T, U	< 0.04 ppbv	0.04	AC-058	09-Aug-21

Report certified by: Rebecca Holgate, Account Coordinator

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

Date: August 30, 2021

Inquiries: (780) 632 8455

E-mail: EAS.Results@innotechalberta.ca

CLIENT SAMPLE ID	CANISTER ID	Matrix	DATE SAMPLED
PRAMP_986c-20210804	29016	Ambient Air	04-Aug-21 6:15
DESCRIPTION:	NMHC Trigger		
REPORT NUMBER:	REPORT CREATED:	VERSION:	Version 01
21080076	30-Aug-21		

Lab ID	Parameter	Qualifier	Result Units	RDL	Method	Analysis Date
21080076-001	1,2-Dichloroethane	K, T, U	< 0.04 ppbv	0.04	AC-058	09-Aug-21
21080076-001	1,2-Dichloropropane	K, T, U	< 0.04 ppbv	0.04	AC-058	09-Aug-21
21080076-001	1,3,5-Trimethylbenzene	K, T, U	< 0.04 ppbv	0.04	AC-058	09-Aug-21
21080076-001	1,3-Butadiene	K, T, U	< 0.04 ppbv	0.04	AC-058	09-Aug-21
21080076-001	1,3-Dichlorobenzene	K, T, U	< 0.6 ppbv	0.6	AC-058	09-Aug-21
21080076-001	1,4-Dichlorobenzene	K, T, U	< 0.6 ppbv	0.6	AC-058	09-Aug-21
21080076-001	1,4-Dioxane	K, T, U	< 0.7 ppbv	0.7	AC-058	09-Aug-21
21080076-001	1-Butene/Isobutylene		0.89 ppbv	0.08	AC-058	09-Aug-21
21080076-001	1-Hexene/2-Methyl-1-pentene	K, T, U	< 0.10 ppbv	0.10	AC-058	09-Aug-21
21080076-001	1-Pentene		0.14 ppbv	0.04	AC-058	09-Aug-21
21080076-001	2,2,4-Trimethylpentane	K, T, U	< 0.03 ppbv	0.03	AC-058	09-Aug-21
21080076-001	2,2-Dimethylbutane		0.28 ppbv	0.03	AC-058	09-Aug-21
21080076-001	2,3,4-Trimethylpentane	K, T, U	< 0.03 ppbv	0.03	AC-058	09-Aug-21
21080076-001	2,3-Dimethylbutane		0.35 ppbv	0.13	AC-058	09-Aug-21
21080076-001	2,3-Dimethylpentane		0.20 ppbv	0.03	AC-058	09-Aug-21
21080076-001	2,4-Dimethylpentane	I	0.11 ppbv	0.04	AC-058	09-Aug-21
21080076-001	2-Methylheptane		0.28 ppbv	0.03	AC-058	09-Aug-21
21080076-001	2-Methylhexane		0.76 ppbv	0.04	AC-058	09-Aug-21
21080076-001	2-Methylpentane		1.32 ppbv	0.03	AC-058	09-Aug-21
21080076-001	3-Methylheptane		0.20 ppbv	0.04	AC-058	09-Aug-21
21080076-001	3-Methylhexane		0.61 ppbv	0.03	AC-058	09-Aug-21
21080076-001	3-Methylpentane		1.21 ppbv	0.03	AC-058	09-Aug-21
21080076-001	Acetone		6.0 ppbv	0.6	AC-058	09-Aug-21
21080076-001	Acrolein	K, T, U	< 0.4 ppbv	0.4	AC-058	09-Aug-21
21080076-001	Benzene		0.47 ppbv	0.04	AC-058	09-Aug-21

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21080076	30-Aug-21		

Lab ID	Parameter	Qualifier	Result Units	RDL	Method	Analysis Date
21080076-001	Benzyl chloride	K, T, U	< 0.4 ppbv	0.4	AC-058	09-Aug-21
21080076-001	Bromodichloromethane	K, T, U	< 0.04 ppbv	0.04	AC-058	09-Aug-21
21080076-001	Bromoform	K, T, U	< 0.03 ppbv	0.03	AC-058	09-Aug-21
21080076-001	Bromomethane	K, T, U	< 0.03 ppbv	0.03	AC-058	09-Aug-21
21080076-001	Carbon disulfide		0.26 ppbv	0.03	AC-058	09-Aug-21
21080076-001	Carbon tetrachloride	I	0.05 ppbv	0.03	AC-058	09-Aug-21
21080076-001	Chlorobenzene	K, T, U	< 0.03 ppbv	0.03	AC-058	09-Aug-21
21080076-001	Chloroethane	K, T, U	< 0.03 ppbv	0.03	AC-058	09-Aug-21
21080076-001	Chloroform	K, T, U	< 0.03 ppbv	0.03	AC-058	09-Aug-21
21080076-001	Chloromethane		0.52 ppbv	0.06	AC-058	09-Aug-21
21080076-001	cis-1,2-Dichloroethene	K, T, U	< 0.03 ppbv	0.03	AC-058	09-Aug-21
21080076-001	cis-1,3-Dichloropropene	K, T, U	< 0.04 ppbv	0.04	AC-058	09-Aug-21
21080076-001	cis-2-Butene	K, T, U	< 0.04 ppbv	0.04	AC-058	09-Aug-21
21080076-001	cis-2-Pentene	K, T, U	< 0.03 ppbv	0.03	AC-058	09-Aug-21
21080076-001	Cyclohexane		0.72 ppbv	0.06	AC-058	09-Aug-21
21080076-001	Cyclopentane		0.24 ppbv	0.03	AC-058	09-Aug-21
21080076-001	Dibromochloromethane	K, T, U	< 0.03 ppbv	0.03	AC-058	09-Aug-21
21080076-001	Ethanol		4.4 ppbv	0.7	AC-058	09-Aug-21
21080076-001	Ethyl acetate	K, T, U	< 0.4 ppbv	0.4	AC-058	09-Aug-21
21080076-001	Ethylbenzene	K, T, U	< 0.04 ppbv	0.04	AC-058	09-Aug-21
21080076-001	Freon-11		0.19 ppbv	0.03	AC-058	09-Aug-21
21080076-001	Freon-113	I	0.04 ppbv	0.03	AC-058	09-Aug-21
21080076-001	Freon-114	K, T, U	< 0.04 ppbv	0.04	AC-058	09-Aug-21
21080076-001	Freon-12		0.47 ppbv	0.04	AC-058	09-Aug-21
21080076-001	Hexachloro-1,3-butadiene	K, T, U	< 0.4 ppbv	0.4	AC-058	09-Aug-21

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21080076	30-Aug-21		

Lab ID	Parameter	Qualifier	Result Units	RDL	Method	Analysis Date
21080076-001	Isobutane		1.08 ppbv	0.04	AC-058	09-Aug-21
21080076-001	Isopentane		8.49 ppbv	0.06	AC-058	09-Aug-21
21080076-001	Isoprene		3.59 ppbv	0.03	AC-058	09-Aug-21
21080076-001	Isopropyl alcohol	K, T, U	< 0.4 ppbv	0.4	AC-058	09-Aug-21
21080076-001	Isopropylbenzene	K, T, U	< 0.06 ppbv	0.06	AC-058	09-Aug-21
21080076-001	m,p-Xylene	I	0.28 ppbv	0.06	AC-058	09-Aug-21
21080076-001	m-Diethylbenzene	K, T, U	< 0.03 ppbv	0.03	AC-058	09-Aug-21
21080076-001	m-Ethyltoluene	K, T, U	< 0.04 ppbv	0.04	AC-058	09-Aug-21
21080076-001	Methyl butyl ketone	K, T, U	< 0.6 ppbv	0.6	AC-058	09-Aug-21
21080076-001	Methyl ethyl ketone	I	0.5 ppbv	0.4	AC-058	09-Aug-21
21080076-001	Methyl isobutyl ketone	K, T, U	< 0.4 ppbv	0.4	AC-058	09-Aug-21
21080076-001	Methyl methacrylate		0.35 ppbv	0.11	AC-058	09-Aug-21
21080076-001	Methyl tert butyl ether	K, T, U	< 0.04 ppbv	0.04	AC-058	09-Aug-21
21080076-001	Methylcyclohexane		0.84 ppbv	0.03	AC-058	09-Aug-21
21080076-001	Methylcyclopentane		0.57 ppbv	0.07	AC-058	09-Aug-21
21080076-001	Methylene chloride	K, T, U	< 0.4 ppbv	0.4	AC-058	09-Aug-21
21080076-001	n-Butane		3.08 ppbv	0.03	AC-058	09-Aug-21
21080076-001	n-Decane	K, T, U	< 0.08 ppbv	0.08	AC-058	09-Aug-21
21080076-001	n-Dodecane	K, T, U	< 0.4 ppbv	0.4	AC-058	09-Aug-21
21080076-001	n-Heptane		1.41 ppbv	0.06	AC-058	09-Aug-21
21080076-001	n-Hexane		3.55 ppbv	0.04	AC-058	09-Aug-21
21080076-001	n-Octane		0.32 ppbv	0.03	AC-058	09-Aug-21
21080076-001	n-Pentane		8.58 ppbv	0.06	AC-058	09-Aug-21
21080076-001	n-Propylbenzene	K, T, U	< 0.08 ppbv	0.08	AC-058	09-Aug-21
21080076-001	n-Undecane	K, T, U	< 0.7 ppbv	0.7	AC-058	09-Aug-21

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PRAMP_986c-20210804	29016	Ambient Air	04-Aug-21 6:15
DESCRIPTION:	NMHC Trigger		
REPORT NUMBER:	REPORT CREATED:	VERSION:	Version 01
21080076	30-Aug-21		

Lab ID	Parameter	Qualifier	Result Units	RDL	Method	Analysis Date
21080076-001	Naphthalene	K, T, U	< 0.4 ppbv	0.4	AC-058	09-Aug-21
21080076-001	n-Nonane		0.16 ppbv	0.06	AC-058	09-Aug-21
21080076-001	o-Ethyltoluene	K, T, U	< 0.03 ppbv	0.03	AC-058	09-Aug-21
21080076-001	o-Xylene	K, T, U	< 0.04 ppbv	0.04	AC-058	09-Aug-21
21080076-001	p-Diethylbenzene	K, T, U	< 0.03 ppbv	0.03	AC-058	09-Aug-21
21080076-001	p-Ethyltoluene	K, T, U	< 0.06 ppbv	0.06	AC-058	09-Aug-21
21080076-001	Styrene	K, T, U	< 0.06 ppbv	0.06	AC-058	09-Aug-21
21080076-001	Tetrachloroethylene	K, T, U	< 0.03 ppbv	0.03	AC-058	09-Aug-21
21080076-001	Tetrahydrofuran	K, T, U	< 0.4 ppbv	0.4	AC-058	09-Aug-21
21080076-001	Toluene		0.59 ppbv	0.04	AC-058	09-Aug-21
21080076-001	trans-1,2-Dichloroethylene		0.20 ppbv	0.08	AC-058	09-Aug-21
21080076-001	trans-1,3-Dichloropropylene	K, T, U	< 0.03 ppbv	0.03	AC-058	09-Aug-21
21080076-001	trans-2-Butene	K, T, U	< 0.04 ppbv	0.04	AC-058	09-Aug-21
21080076-001	trans-2-Pentene	K, T, U	< 0.03 ppbv	0.03	AC-058	09-Aug-21
21080076-001	Trichloroethylene	K, T, U	< 0.03 ppbv	0.03	AC-058	09-Aug-21
21080076-001	Vinyl acetate	K, T, U	< 0.4 ppbv	0.4	AC-058	09-Aug-21
21080076-001	Vinyl chloride	K, T, U	< 0.03 ppbv	0.03	AC-058	09-Aug-21

CLIENT SAMPLE ID	CANISTER ID	Matrix	DATE SAMPLED
PRAMP_986c-Blank	28951	Ambient Air	04-Aug-21
DESCRIPTION:	NMHC Blank		
REPORT NUMBER:	21080076	REPORT CREATED:	30-Aug-21
		VERSION:	Version 01

Lab ID	Parameter	Qualifier	Result Units	RDL	Method	Analysis Date
21080076-002	1-Butene	K, T, U	< 0.10 ppmv	0.10	NA-025	09-Aug-21
21080076-002	Acetylene	K, T, U	< 0.08 ppmv	0.08	NA-025	09-Aug-21
21080076-002	n-Butane	K, T, U	< 0.2 ppmv	0.2	NA-025	09-Aug-21
21080076-002	cis-2-Butene	K, T, U	< 0.04 ppmv	0.04	NA-025	09-Aug-21
21080076-002	Ethane	K, T, U	< 0.1 ppmv	0.1	NA-025	09-Aug-21
21080076-002	Ethylacetylene	K, T, U	< 0.06 ppmv	0.06	NA-025	09-Aug-21
21080076-002	Ethylene	K, T, U	< 0.07 ppmv	0.07	NA-025	09-Aug-21
21080076-002	Isobutane	K, T, U	< 0.1 ppmv	0.1	NA-025	09-Aug-21
21080076-002	Isobutylene	K, T, U	< 0.1 ppmv	0.1	NA-025	09-Aug-21
21080076-002	Methane	K, T, U	< 0.1 ppmv	0.1	NA-025	09-Aug-21
21080076-002	n-Propane	K, T, U	< 0.07 ppmv	0.07	NA-025	09-Aug-21
21080076-002	Propylene	K, T, U	< 0.1 ppmv	0.1	NA-025	09-Aug-21
21080076-002	Propyne	K, T, U	< 0.1 ppmv	0.1	NA-025	09-Aug-21
21080076-002	trans-2-Butene	K, T, U	< 0.09 ppmv	0.09	NA-025	09-Aug-21
21080076-002	2,5-Dimethylthiophene	K, T, U	< 0.3 ppbv	0.3	NA-024	09-Aug-21
21080076-002	2-Ethylthiophene	K, T, U	< 0.2 ppbv	0.2	NA-024	09-Aug-21
21080076-002	2-Methylthiophene	K, T, U	< 0.2 ppbv	0.2	NA-024	09-Aug-21
21080076-002	3-Methylthiophene	K, T, U	< 0.3 ppbv	0.3	NA-024	09-Aug-21
21080076-002	Butyl mercaptan	K, T, U	< 0.3 ppbv	0.3	NA-024	09-Aug-21
21080076-002	Carbon disulphide	K, T, U	< 0.2 ppbv	0.2	NA-024	09-Aug-21
21080076-002	Carbonyl sulphide	K, T, U	< 0.3 ppbv	0.3	NA-024	09-Aug-21
21080076-002	Dimethyl disulphide	K, T, U	< 0.2 ppbv	0.2	NA-024	09-Aug-21
21080076-002	Dimethyl sulphide	K, T, U	< 0.2 ppbv	0.2	NA-024	09-Aug-21
21080076-002	Ethyl mercaptan	K, T, U	< 0.3 ppbv	0.3	NA-024	09-Aug-21
21080076-002	Ethyl sulphide	K, T, U	< 0.3 ppbv	0.3	NA-024	09-Aug-21

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PRAMP_986c-Blank	28951	Ambient Air	04-Aug-21
DESCRIPTION:	NMHC Blank		
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		VERSION:	Version 01

Lab ID	Parameter	Qualifier	Result Units	RDL	Method	Analysis Date
21080076-002	Hydrogen sulphide	K, T, U	< 0.3 ppbv	0.3	NA-024	09-Aug-21
21080076-002	Isobutyl mercaptan	K, T, U	< 0.3 ppbv	0.3	NA-024	09-Aug-21
21080076-002	Isopropyl mercaptan	K, T, U	< 0.3 ppbv	0.3	NA-024	09-Aug-21
21080076-002	Methyl mercaptan	K, T, U	< 0.2 ppbv	0.2	NA-024	09-Aug-21
21080076-002	Pentyl mercaptan	K, T, U	< 0.4 ppbv	0.4	NA-024	09-Aug-21
21080076-002	Propyl mercaptan	K, T, U	< 0.4 ppbv	0.4	NA-024	09-Aug-21
21080076-002	tert-Butyl mercaptan	K, T, U	< 0.3 ppbv	0.3	NA-024	09-Aug-21
21080076-002	Thiophene/sec-Butyl mercaptan	K, T, U	< 0.2 ppbv	0.2	NA-024	09-Aug-21
21080076-002	1,1,1-Trichloroethane	K, T, U	< 0.02 ppbv	0.02	AC-058	10-Aug-21
21080076-002	1,1,2,2-Tetrachloroethane	K, T, U	< 0.02 ppbv	0.02	AC-058	10-Aug-21
21080076-002	1,1,2-Trichloroethane	K, T, U	< 0.02 ppbv	0.02	AC-058	10-Aug-21
21080076-002	1,1-Dichloroethane	K, T, U	< 0.02 ppbv	0.02	AC-058	10-Aug-21
21080076-002	1,1-Dichloroethylene	K, T, U	< 0.02 ppbv	0.02	AC-058	10-Aug-21
21080076-002	1,2,3-Trimethylbenzene	K, T, U	< 0.05 ppbv	0.05	AC-058	10-Aug-21
21080076-002	1,2,4-Trichlorobenzene	K, T, U	< 0.3 ppbv	0.3	AC-058	10-Aug-21
21080076-002	1,2,4-Trimethylbenzene	K, T, U	< 0.03 ppbv	0.03	AC-058	10-Aug-21
21080076-002	1,2-Dibromoethane	K, T, U	< 0.02 ppbv	0.02	AC-058	10-Aug-21
21080076-002	1,2-Dichlorobenzene	K, T, U	< 0.03 ppbv	0.03	AC-058	10-Aug-21
21080076-002	1,2-Dichloroethane	K, T, U	< 0.03 ppbv	0.03	AC-058	10-Aug-21
21080076-002	1,2-Dichloropropane	K, T, U	< 0.03 ppbv	0.03	AC-058	10-Aug-21
21080076-002	1,3,5-Trimethylbenzene	K, T, U	< 0.03 ppbv	0.03	AC-058	10-Aug-21
21080076-002	1,3-Butadiene	K, T, U	< 0.03 ppbv	0.03	AC-058	10-Aug-21
21080076-002	1,3-Dichlorobenzene	K, T, U	< 0.4 ppbv	0.4	AC-058	10-Aug-21
21080076-002	1,4-Dichlorobenzene	K, T, U	< 0.4 ppbv	0.4	AC-058	10-Aug-21
21080076-002	1,4-Dioxane	K, T, U	< 0.5 ppbv	0.5	AC-058	10-Aug-21

Report certified by: Rebecca Holgate, Account Coordinator

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

Date: August 30, 2021

Inquiries: (780) 632 8455

E-mail: EAS.Results@innotechalberta.ca

CLIENT SAMPLE ID	CANISTER ID	Matrix	DATE SAMPLED
PRAMP_986c-Blank	28951	Ambient Air	04-Aug-21
DESCRIPTION:	NMHC Blank		
REPORT NUMBER:	21080076	REPORT CREATED:	30-Aug-21
		VERSION:	Version 01

Lab ID	Parameter	Qualifier	Result Units	RDL	Method	Analysis Date
21080076-002	1-Butene/Isobutylene	K, T, U	< 0.06 ppbv	0.06	AC-058	10-Aug-21
21080076-002	1-Hexene/2-Methyl-1-pentene	K, T, U	< 0.07 ppbv	0.07	AC-058	10-Aug-21
21080076-002	1-Pentene	K, T, U	< 0.03 ppbv	0.03	AC-058	10-Aug-21
21080076-002	2,2,4-Trimethylpentane	K, T, U	< 0.02 ppbv	0.02	AC-058	10-Aug-21
21080076-002	2,2-Dimethylbutane	K, T, U	< 0.02 ppbv	0.02	AC-058	10-Aug-21
21080076-002	2,3,4-Trimethylpentane	K, T, U	< 0.02 ppbv	0.02	AC-058	10-Aug-21
21080076-002	2,3-Dimethylbutane	K, T, U	< 0.09 ppbv	0.09	AC-058	10-Aug-21
21080076-002	2,3-Dimethylpentane	I	0.04 ppbv	0.02	AC-058	10-Aug-21
21080076-002	2,4-Dimethylpentane	K, T, U	< 0.03 ppbv	0.03	AC-058	10-Aug-21
21080076-002	2-Methylheptane	K, T, U	< 0.02 ppbv	0.02	AC-058	10-Aug-21
21080076-002	2-Methylhexane	K, T, U	< 0.03 ppbv	0.03	AC-058	10-Aug-21
21080076-002	2-Methylpentane	K, T, U	< 0.02 ppbv	0.02	AC-058	10-Aug-21
21080076-002	3-Methylheptane	K, T, U	< 0.03 ppbv	0.03	AC-058	10-Aug-21
21080076-002	3-Methylhexane	K, T, U	< 0.02 ppbv	0.02	AC-058	10-Aug-21
21080076-002	3-Methylpentane	K, T, U	< 0.02 ppbv	0.02	AC-058	10-Aug-21
21080076-002	Acetone	K, T, U	< 0.4 ppbv	0.4	AC-058	10-Aug-21
21080076-002	Acrolein	K, T, U	< 0.3 ppbv	0.3	AC-058	10-Aug-21
21080076-002	Benzene	K, T, U	< 0.03 ppbv	0.03	AC-058	10-Aug-21
21080076-002	Benzyl chloride	K, T, U	< 0.3 ppbv	0.3	AC-058	10-Aug-21
21080076-002	Bromodichloromethane	K, T, U	< 0.03 ppbv	0.03	AC-058	10-Aug-21
21080076-002	Bromoform	K, T, U	< 0.02 ppbv	0.02	AC-058	10-Aug-21
21080076-002	Bromomethane	K, T, U	< 0.02 ppbv	0.02	AC-058	10-Aug-21
21080076-002	Carbon disulfide	K, T, U	< 0.02 ppbv	0.02	AC-058	10-Aug-21
21080076-002	Carbon tetrachloride	K, T, U	< 0.02 ppbv	0.02	AC-058	10-Aug-21
21080076-002	Chlorobenzene	K, T, U	< 0.02 ppbv	0.02	AC-058	10-Aug-21

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CLIENT SAMPLE ID	CANISTER ID	Matrix	DATE SAMPLED
PRAMP_986c-Blank	28951	Ambient Air	04-Aug-21
DESCRIPTION:	NMHC Blank		
REPORT NUMBER:	21080076	REPORT CREATED:	30-Aug-21
		VERSION:	Version 01

Lab ID	Parameter	Qualifier	Result Units	RDL	Method	Analysis Date
21080076-002	Chloroethane	K, T, U	< 0.02 ppbv	0.02	AC-058	10-Aug-21
21080076-002	Chloroform	K, T, U	< 0.02 ppbv	0.02	AC-058	10-Aug-21
21080076-002	Chloromethane	K, T, U	< 0.04 ppbv	0.04	AC-058	10-Aug-21
21080076-002	cis-1,2-Dichloroethene	K, T, U	< 0.02 ppbv	0.02	AC-058	10-Aug-21
21080076-002	cis-1,3-Dichloropropene	K, T, U	< 0.03 ppbv	0.03	AC-058	10-Aug-21
21080076-002	cis-2-Butene	K, T, U	< 0.03 ppbv	0.03	AC-058	10-Aug-21
21080076-002	cis-2-Pentene	K, T, U	< 0.02 ppbv	0.02	AC-058	10-Aug-21
21080076-002	Cyclohexane	K, T, U	< 0.04 ppbv	0.04	AC-058	10-Aug-21
21080076-002	Cyclopentane	K, T, U	< 0.02 ppbv	0.02	AC-058	10-Aug-21
21080076-002	Dibromochloromethane	K, T, U	< 0.02 ppbv	0.02	AC-058	10-Aug-21
21080076-002	Ethanol	K, T, U	< 0.5 ppbv	0.5	AC-058	10-Aug-21
21080076-002	Ethyl acetate	K, T, U	< 0.3 ppbv	0.3	AC-058	10-Aug-21
21080076-002	Ethylbenzene	K, T, U	< 0.03 ppbv	0.03	AC-058	10-Aug-21
21080076-002	Freon-11	K, T, U	< 0.02 ppbv	0.02	AC-058	10-Aug-21
21080076-002	Freon-113	K, T, U	< 0.02 ppbv	0.02	AC-058	10-Aug-21
21080076-002	Freon-114	K, T, U	< 0.03 ppbv	0.03	AC-058	10-Aug-21
21080076-002	Freon-12	K, T, U	< 0.03 ppbv	0.03	AC-058	10-Aug-21
21080076-002	Hexachloro-1,3-butadiene	K, T, U	< 0.3 ppbv	0.3	AC-058	10-Aug-21
21080076-002	Isobutane		0.17 ppbv	0.03	AC-058	10-Aug-21
21080076-002	Isopentane		0.11 ppbv	0.04	AC-058	10-Aug-21
21080076-002	Isoprene	K, T, U	< 0.02 ppbv	0.02	AC-058	10-Aug-21
21080076-002	Isopropyl alcohol	K, T, U	< 0.3 ppbv	0.3	AC-058	10-Aug-21
21080076-002	Isopropylbenzene	K, T, U	< 0.04 ppbv	0.04	AC-058	10-Aug-21
21080076-002	m,p-Xylene	K, T, U	< 0.04 ppbv	0.04	AC-058	10-Aug-21
21080076-002	m-Diethylbenzene	K, T, U	< 0.02 ppbv	0.02	AC-058	10-Aug-21

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DESCRIPTION:	NMHC Blank		
REPORT NUMBER:	REPORT CREATED:	VERSION:	Version 01
21080076	30-Aug-21		

Lab ID	Parameter	Qualifier	Result Units	RDL	Method	Analysis Date
21080076-002	m-Ethyltoluene	K, T, U	< 0.03 ppbv	0.03	AC-058	10-Aug-21
21080076-002	Methyl butyl ketone	K, T, U	< 0.4 ppbv	0.4	AC-058	10-Aug-21
21080076-002	Methyl ethyl ketone	K, T, U	< 0.3 ppbv	0.3	AC-058	10-Aug-21
21080076-002	Methyl isobutyl ketone	K, T, U	< 0.3 ppbv	0.3	AC-058	10-Aug-21
21080076-002	Methyl methacrylate	K, T, U	< 0.08 ppbv	0.08	AC-058	10-Aug-21
21080076-002	Methyl tert butyl ether	K, T, U	< 0.03 ppbv	0.03	AC-058	10-Aug-21
21080076-002	Methylcyclohexane	K, T, U	< 0.02 ppbv	0.02	AC-058	10-Aug-21
21080076-002	Methylcyclopentane	K, T, U	< 0.05 ppbv	0.05	AC-058	10-Aug-21
21080076-002	Methylene chloride	K, T, U	< 0.3 ppbv	0.3	AC-058	10-Aug-21
21080076-002	n-Butane		0.17 ppbv	0.02	AC-058	10-Aug-21
21080076-002	n-Decane	K, T, U	< 0.06 ppbv	0.06	AC-058	10-Aug-21
21080076-002	n-Dodecane	K, T, U	< 0.3 ppbv	0.3	AC-058	10-Aug-21
21080076-002	n-Heptane	K, T, U	< 0.04 ppbv	0.04	AC-058	10-Aug-21
21080076-002	n-Hexane	K, T, U	< 0.03 ppbv	0.03	AC-058	10-Aug-21
21080076-002	n-Octane	K, T, U	< 0.02 ppbv	0.02	AC-058	10-Aug-21
21080076-002	n-Pentane	I	0.07 ppbv	0.04	AC-058	10-Aug-21
21080076-002	n-Propylbenzene	K, T, U	< 0.06 ppbv	0.06	AC-058	10-Aug-21
21080076-002	n-Undecane	K, T, U	< 0.5 ppbv	0.5	AC-058	10-Aug-21
21080076-002	Naphthalene	K, T, U	< 0.3 ppbv	0.3	AC-058	10-Aug-21
21080076-002	n-Nonane	K, T, U	< 0.04 ppbv	0.04	AC-058	10-Aug-21
21080076-002	o-Ethyltoluene	K, T, U	< 0.02 ppbv	0.02	AC-058	10-Aug-21
21080076-002	o-Xylene	K, T, U	< 0.03 ppbv	0.03	AC-058	10-Aug-21
21080076-002	p-Diethylbenzene	K, T, U	< 0.02 ppbv	0.02	AC-058	10-Aug-21
21080076-002	p-Ethyltoluene	K, T, U	< 0.04 ppbv	0.04	AC-058	10-Aug-21
21080076-002	Styrene	K, T, U	< 0.04 ppbv	0.04	AC-058	10-Aug-21

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PRAMP_986c-Blank	28951	Ambient Air	04-Aug-21
DESCRIPTION:	NMHC Blank		
REPORT NUMBER:	REPORT CREATED:	VERSION:	Version 01
21080076	30-Aug-21		

Lab ID	Parameter	Qualifier	Result Units	RDL	Method	Analysis Date
21080076-002	Tetrachloroethylene	K, T, U	< 0.02 ppbv	0.02	AC-058	10-Aug-21
21080076-002	Tetrahydrofuran	K, T, U	< 0.3 ppbv	0.3	AC-058	10-Aug-21
21080076-002	Toluene	K, T, U	< 0.03 ppbv	0.03	AC-058	10-Aug-21
21080076-002	trans-1,2-Dichloroethylene	K, T, U	< 0.06 ppbv	0.06	AC-058	10-Aug-21
21080076-002	trans-1,3-Dichloropropylene	K, T, U	< 0.02 ppbv	0.02	AC-058	10-Aug-21
21080076-002	trans-2-Butene	K, T, U	< 0.03 ppbv	0.03	AC-058	10-Aug-21
21080076-002	trans-2-Pentene	K, T, U	< 0.02 ppbv	0.02	AC-058	10-Aug-21
21080076-002	Trichloroethylene	K, T, U	< 0.02 ppbv	0.02	AC-058	10-Aug-21
21080076-002	Vinyl acetate	K, T, U	< 0.3 ppbv	0.3	AC-058	10-Aug-21
21080076-002	Vinyl chloride	K, T, U	< 0.02 ppbv	0.02	AC-058	10-Aug-21



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ENVIRONMENTAL ANALYTICAL SERVICES

TEST REPORT

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Revision History

Order ID	Ver	Date	Reason
21080076	01	30-Aug-21	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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Order Comments



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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.*