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ENVIRONMENTAL ANALYTICAL SERVICES

TEST REPORT

RESULTS: Karla Reesor Peace River Area Monitoring Program Committee INVOICE: Office Manager	403 807 2995 403 807 2995	CLIENT SAMPLE ID PRAMP_842-2019/05/30	CANISTER ID 29023	Matrix Ambient Air	Priority Normal
	DESCRIPTION: NMHC Trigger		DATE SAMPLED: 30-May-19 10:39	DATE RECEIVED: 31-May-19	REPORT NUMBER: 19050361
		REPORT CREATED: 21-Jun-19	VERSION: Version 01		

Lab ID	Parameter	Qualifier	Result	Units	RDL	Method	Analysis Date
19050361-001	1-Butene	K, T, U	< 0.15	ppmv	0.15	NA-025	03-Jun-19
19050361-001	Acetylene	K, T, U	< 0.12	ppmv	0.12	NA-025	03-Jun-19
19050361-001	n-Butane	K, T, U	< 0.3	ppmv	0.3	NA-025	03-Jun-19
19050361-001	cis-2-Butene	K, T, U	< 0.06	ppmv	0.06	NA-025	03-Jun-19
19050361-001	Ethane	K, T, U	< 0.1	ppmv	0.1	NA-025	03-Jun-19
19050361-001	Ethylacetylene	K, T, U	< 0.09	ppmv	0.09	NA-025	03-Jun-19
19050361-001	Ethylene	K, T, U	< 0.10	ppmv	0.10	NA-025	03-Jun-19
19050361-001	Isobutane	K, T, U	< 0.1	ppmv	0.1	NA-025	03-Jun-19
19050361-001	Isobutylene	K, T, U	< 0.1	ppmv	0.1	NA-025	03-Jun-19
19050361-001	Methane		2.0	ppmv	0.1	NA-025	03-Jun-19
19050361-001	n-Propane	K, T, U	< 0.10	ppmv	0.10	NA-025	03-Jun-19
19050361-001	Propylene	K, T, U	< 0.1	ppmv	0.1	NA-025	03-Jun-19
19050361-001	Propyne	K, T, U	< 0.1	ppmv	0.1	NA-025	03-Jun-19
19050361-001	trans-2-Butene	K, T, U	< 0.13	ppmv	0.13	NA-025	03-Jun-19
19050361-001	2,5-Dimethylthiophene	K, T, U	< 0.4	ppbv	0.4	NA-024	05-Jun-19
19050361-001	2-Ethylthiophene	K, T, U	< 0.3	ppbv	0.3	NA-024	05-Jun-19
19050361-001	2-Methylthiophene	K, T, U	< 0.3	ppbv	0.3	NA-024	05-Jun-19
19050361-001	3-Methylthiophene	K, T, U	< 0.4	ppbv	0.4	NA-024	05-Jun-19

Report certified by: Krista Gegolick, Account Coordinator

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

Date: June-21-19

Inquiries: (780) 632 8455

E-mail: EAS.Results@innotechalberta.ca

CLIENT SAMPLE ID	CANISTER ID	Matrix	DATE SAMPLED	
PRAMP_842-2019/05/30	29023	Ambient Air	30-May-19	10:39
DESCRIPTION:	NMHC Trigger			
REPORT NUMBER:	19050361	REPORT CREATED:	21-Jun-19	VERSION: Version 01

Lab ID	Parameter	Qualifier	Result	Units	RDL	Method	Analysis Date
19050361-001	Butyl mercaptan	K, T, U	< 0.4	ppbv	0.4	NA-024	05-Jun-19
19050361-001	Carbon disulphide	K, T, U	< 0.3	ppbv	0.3	NA-024	05-Jun-19
19050361-001	Carbonyl sulphide	K, T, U	< 0.4	ppbv	0.4	NA-024	05-Jun-19
19050361-001	Dimethyl disulphide	K, T, U	< 0.3	ppbv	0.3	NA-024	05-Jun-19
19050361-001	Dimethyl sulphide	K, T, U	< 0.3	ppbv	0.3	NA-024	05-Jun-19
19050361-001	Ethyl mercaptan	K, T, U	< 0.4	ppbv	0.4	NA-024	05-Jun-19
19050361-001	Ethyl sulphide	K, T, U	< 0.4	ppbv	0.4	NA-024	05-Jun-19
19050361-001	Hydrogen sulphide		1.5	ppbv	0.1	NA-024	05-Jun-19
19050361-001	Isobutyl mercaptan	K, T, U	< 0.4	ppbv	0.4	NA-024	05-Jun-19
19050361-001	Isopropyl mercaptan	K, T, U	< 0.4	ppbv	0.4	NA-024	05-Jun-19
19050361-001	Methyl mercaptan	K, T, U	< 0.3	ppbv	0.3	NA-024	05-Jun-19
19050361-001	Pentyl mercaptan	K, T, U	< 0.6	ppbv	0.6	NA-024	05-Jun-19
19050361-001	Propyl mercaptan	K, T, U	< 0.6	ppbv	0.6	NA-024	05-Jun-19
19050361-001	tert-Butyl mercaptan	K, T, U	< 0.4	ppbv	0.4	NA-024	05-Jun-19
19050361-001	Thiophene	K, T, U	< 0.3	ppbv	0.3	NA-024	05-Jun-19
19050361-001	1,1,1-Trichloroethane	K, T, U	< 0.03	ppbv	0.03	AC-058	04-Jun-19
19050361-001	1,1,2,2-Tetrachloroethane	K, T, U	< 0.03	ppbv	0.03	AC-058	04-Jun-19
19050361-001	1,1,2-Trichloroethane	K, T, U	< 0.03	ppbv	0.03	AC-058	04-Jun-19
19050361-001	1,1-Dichloroethane	K, T, U	< 0.03	ppbv	0.03	AC-058	04-Jun-19
19050361-001	1,1-Dichloroethylene	K, T, U	< 0.06	ppbv	0.06	AC-058	04-Jun-19
19050361-001	1,2,3-Trimethylbenzene	I	0.15	ppbv	0.07	AC-058	04-Jun-19
19050361-001	1,2,4-Trichlorobenzene	K, T, U	< 1.2	ppbv	1.2	AC-058	04-Jun-19
19050361-001	1,2,4-Trimethylbenzene		0.18	ppbv	0.07	AC-058	04-Jun-19
19050361-001	1,2-Dibromoethane	K, T, U	< 0.03	ppbv	0.03	AC-058	04-Jun-19
19050361-001	1,2-Dichlorobenzene	K, T, U	< 0.04	ppbv	0.04	AC-058	04-Jun-19

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19050361-001	1,2-Dichloroethane	K, T, U	< 0.01	ppbv	0.01	AC-058	04-Jun-19
19050361-001	1,2-Dichloropropane	K, T, U	< 0.01	ppbv	0.01	AC-058	04-Jun-19
19050361-001	1,3,5-Trimethylbenzene	K, T, U	< 0.03	ppbv	0.03	AC-058	04-Jun-19
19050361-001	1,3-Butadiene		2.67	ppbv	0.03	AC-058	04-Jun-19
19050361-001	1,3-Dichlorobenzene	K, T, U	< 0.4	ppbv	0.4	AC-058	04-Jun-19
19050361-001	1,4-Dichlorobenzene	K, T, U	< 0.6	ppbv	0.6	AC-058	04-Jun-19
19050361-001	1,4-Dioxane	K, T, U	< 0.6	ppbv	0.6	AC-058	04-Jun-19
19050361-001	1-Butene/Isobutylene		7.93	ppbv	0.03	AC-058	04-Jun-19
19050361-001	1-Hexene/2-Methyl-1-pentene		0.92	ppbv	0.03	AC-058	04-Jun-19
19050361-001	1-Pentene		1.45	ppbv	0.01	AC-058	04-Jun-19
19050361-001	2,2,4-Trimethylpentane	K, T, U	< 0.01	ppbv	0.01	AC-058	04-Jun-19
19050361-001	2,2-Dimethylbutane	K, T, U	< 0.01	ppbv	0.01	AC-058	04-Jun-19
19050361-001	2,3,4-Trimethylpentane	K, T, U	< 0.01	ppbv	0.01	AC-058	04-Jun-19
19050361-001	2,3-Dimethylbutane	K, T, U	< 0.03	ppbv	0.03	AC-058	04-Jun-19
19050361-001	2,3-Dimethylpentane	K, T, U	< 0.03	ppbv	0.03	AC-058	04-Jun-19
19050361-001	2,4-Dimethylpentane	K, T, U	< 0.01	ppbv	0.01	AC-058	04-Jun-19
19050361-001	2-Methylheptane	K, T, U	< 0.01	ppbv	0.01	AC-058	04-Jun-19
19050361-001	2-Methylhexane	K, T, U	< 0.01	ppbv	0.01	AC-058	04-Jun-19
19050361-001	2-Methylpentane		0.05	ppbv	0.01	AC-058	04-Jun-19
19050361-001	3-Methylheptane	K, T, U	< 0.03	ppbv	0.03	AC-058	04-Jun-19
19050361-001	3-Methylhexane		0.18	ppbv	0.03	AC-058	04-Jun-19
19050361-001	3-Methylpentane	K, T, U	< 0.01	ppbv	0.01	AC-058	04-Jun-19
19050361-001	Acetone		19.7	ppbv	0.6	AC-058	04-Jun-19
19050361-001	Acrolein		5.4	ppbv	0.4	AC-058	04-Jun-19
19050361-001	Benzene		6.43	ppbv	0.01	AC-058	04-Jun-19

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Lab ID	Parameter	Qualifier	Result Units	RDL	Method	Analysis Date
19050361-001	Benzyl chloride	K, T, U	< 0.6 ppbv	0.6	AC-058	04-Jun-19
19050361-001	Bromodichloromethane	K, T, U	< 0.03 ppbv	0.03	AC-058	04-Jun-19
19050361-001	Bromoform	K, T, U	< 0.03 ppbv	0.03	AC-058	04-Jun-19
19050361-001	Bromomethane	K, T, U	< 0.01 ppbv	0.01	AC-058	04-Jun-19
19050361-001	Carbon disulfide	K, T, U	< 0.01 ppbv	0.01	AC-058	04-Jun-19
19050361-001	Carbon tetrachloride	I	0.05 ppbv	0.01	AC-058	04-Jun-19
19050361-001	Chlorobenzene	K, T, U	< 0.03 ppbv	0.03	AC-058	04-Jun-19
19050361-001	Chloroethane	K, T, U	< 0.03 ppbv	0.03	AC-058	04-Jun-19
19050361-001	Chloroform	K, T, U	< 0.03 ppbv	0.03	AC-058	04-Jun-19
19050361-001	Chloromethane		1.03 ppbv	0.03	AC-058	04-Jun-19
19050361-001	cis-1,2-Dichloroethene	K, T, U	< 0.01 ppbv	0.01	AC-058	04-Jun-19
19050361-001	cis-1,3-Dichloropropene	K, T, U	< 0.06 ppbv	0.06	AC-058	04-Jun-19
19050361-001	cis-2-Butene		0.92 ppbv	0.03	AC-058	04-Jun-19
19050361-001	cis-2-Pentene		0.21 ppbv	0.03	AC-058	04-Jun-19
19050361-001	Cyclohexane	K, T, U	< 0.03 ppbv	0.03	AC-058	04-Jun-19
19050361-001	Cyclopentane		1.76 ppbv	0.01	AC-058	04-Jun-19
19050361-001	Dibromochloromethane	K, T, U	< 0.01 ppbv	0.01	AC-058	04-Jun-19
19050361-001	Ethanol		5.2 ppbv	0.4	AC-058	04-Jun-19
19050361-001	Ethyl acetate	K, T, U	< 0.6 ppbv	0.6	AC-058	04-Jun-19
19050361-001	Ethylbenzene		0.63 ppbv	0.01	AC-058	04-Jun-19
19050361-001	Freon-11	I	0.26 ppbv	0.03	AC-058	04-Jun-19
19050361-001	Freon-113	K, T, U	< 0.01 ppbv	0.01	AC-058	04-Jun-19
19050361-001	Freon-114	K, T, U	< 0.03 ppbv	0.03	AC-058	04-Jun-19
19050361-001	Freon-12	I	0.39 ppbv	0.03	AC-058	04-Jun-19
19050361-001	Hexachloro-1,3-butadiene	K, T, U	< 0.74 ppbv	0.74	AC-058	04-Jun-19

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REPORT NUMBER:	19050361	REPORT CREATED:	21-Jun-19	VERSION: Version 01

Lab ID	Parameter	Qualifier	Result	Units	RDL	Method	Analysis Date
19050361-001	Isobutane		2.58	ppbv	0.03	AC-058	04-Jun-19
19050361-001	Isopentane		0.35	ppbv	0.04	AC-058	04-Jun-19
19050361-001	Isoprene		0.88	ppbv	0.01	AC-058	04-Jun-19
19050361-001	Isopropyl alcohol	K, T, U	< 0.6	ppbv	0.6	AC-058	04-Jun-19
19050361-001	Isopropylbenzene	K, T, U	< 0.01	ppbv	0.01	AC-058	04-Jun-19
19050361-001	m,p-Xylene		1.23	ppbv	0.04	AC-058	04-Jun-19
19050361-001	m-Diethylbenzene	K, T, U	< 0.06	ppbv	0.06	AC-058	04-Jun-19
19050361-001	m-Ethyltoluene	I	0.20	ppbv	0.12	AC-058	04-Jun-19
19050361-001	Methyl butyl ketone	K, T, U	< 0.74	ppbv	0.74	AC-058	04-Jun-19
19050361-001	Methyl ethyl ketone		2.7	ppbv	0.4	AC-058	04-Jun-19
19050361-001	Methyl isobutyl ketone	K, T, U	< 0.6	ppbv	0.6	AC-058	04-Jun-19
19050361-001	Methyl methacrylate	K, T, U	< 0.10	ppbv	0.10	AC-058	04-Jun-19
19050361-001	Methyl tert butyl ether	K, T, U	< 0.04	ppbv	0.04	AC-058	04-Jun-19
19050361-001	Methylcyclohexane	K, T, U	< 0.01	ppbv	0.01	AC-058	04-Jun-19
19050361-001	Methylcyclopentane	K, T, U	< 0.03	ppbv	0.03	AC-058	04-Jun-19
19050361-001	Methylene chloride	K, T, U	< 0.4	ppbv	0.4	AC-058	04-Jun-19
19050361-001	n-Butane		1.94	ppbv	0.04	AC-058	04-Jun-19
19050361-001	n-Decane		0.15	ppbv	0.09	AC-058	04-Jun-19
19050361-001	n-Dodecane	K, T, U	< 0.6	ppbv	0.6	AC-058	04-Jun-19
19050361-001	n-Heptane		0.29	ppbv	0.01	AC-058	04-Jun-19
19050361-001	n-Hexane		0.45	ppbv	0.01	AC-058	04-Jun-19
19050361-001	n-Octane		0.24	ppbv	0.03	AC-058	04-Jun-19
19050361-001	n-Pentane		0.8	ppbv	0.1	AC-058	04-Jun-19
19050361-001	n-Propylbenzene		0.11	ppbv	0.07	AC-058	04-Jun-19
19050361-001	n-Undecane	K, T, U	< 0.7	ppbv	0.7	AC-058	04-Jun-19

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CLIENT SAMPLE ID	CANISTER ID	Matrix	DATE SAMPLED	
PRAMP_842-2019/05/30	29023	Ambient Air	30-May-19	10:39
DESCRIPTION:	NMHC Trigger			
REPORT NUMBER:	19050361	REPORT CREATED:	21-Jun-19	VERSION: Version 01

Lab ID	Parameter	Qualifier	Result Units	RDL	Method	Analysis Date
19050361-001	Naphthalene	K, T, U	< 0.7 ppbv	0.7	AC-058	04-Jun-19
19050361-001	n-Nonane		0.18 ppbv	0.01	AC-058	04-Jun-19
19050361-001	o-Ethyltoluene	I	0.14 ppbv	0.01	AC-058	04-Jun-19
19050361-001	o-Xylene		0.54 ppbv	0.01	AC-058	04-Jun-19
19050361-001	p-Diethylbenzene	K, T, U	< 0.06 ppbv	0.06	AC-058	04-Jun-19
19050361-001	p-Ethyltoluene	K, T, U	< 0.10 ppbv	0.10	AC-058	04-Jun-19
19050361-001	Styrene		1.08 ppbv	0.06	AC-058	04-Jun-19
19050361-001	Tetrachloroethylene	K, T, U	< 0.06 ppbv	0.06	AC-058	04-Jun-19
19050361-001	Tetrahydrofuran	K, T, U	< 0.6 ppbv	0.6	AC-058	04-Jun-19
19050361-001	Toluene		4.85 ppbv	0.01	AC-058	04-Jun-19
19050361-001	trans-1,2-Dichloroethylene		3.40 ppbv	0.01	AC-058	04-Jun-19
19050361-001	trans-1,3-Dichloropropylene	K, T, U	< 0.06 ppbv	0.06	AC-058	04-Jun-19
19050361-001	trans-2-Butene		1.13 ppbv	0.01	AC-058	04-Jun-19
19050361-001	trans-2-Pentene		0.37 ppbv	0.03	AC-058	04-Jun-19
19050361-001	Trichloroethylene	K, T, U	< 0.06 ppbv	0.06	AC-058	04-Jun-19
19050361-001	Vinyl acetate	K, T, U	< 0.6 ppbv	0.6	AC-058	04-Jun-19
19050361-001	Vinyl chloride	K, T, U	< 0.03 ppbv	0.03	AC-058	04-Jun-19

CLIENT SAMPLE ID	CANISTER ID	Matrix	DATE SAMPLED
PRAMP_842-2019/05/30 - Blank		Ambient Air	30-May-19 10:39
DESCRIPTION:	Blank		
REPORT NUMBER:	19050361	REPORT CREATED:	21-Jun-19
		VERSION:	Version 01

Lab ID	Parameter	Qualifier	Result Units	RDL	Method	Analysis Date
19050361-002	1-Butene	K, T, U	< 1.22 ppmv	1.22	NA-025	03-Jun-19
19050361-002	Acetylene	K, T, U	< 0.98 ppmv	0.98	NA-025	03-Jun-19
19050361-002	n-Butane	K, T, U	< 2.4 ppmv	2.4	NA-025	03-Jun-19
19050361-002	cis-2-Butene	K, T, U	< 0.49 ppmv	0.49	NA-025	03-Jun-19
19050361-002	Ethane	K, T, U	< 1.2 ppmv	1.2	NA-025	03-Jun-19
19050361-002	Ethylacetylene	K, T, U	< 0.74 ppmv	0.74	NA-025	03-Jun-19
19050361-002	Ethylene	K, T, U	< 0.86 ppmv	0.86	NA-025	03-Jun-19
19050361-002	Isobutane	K, T, U	< 1.2 ppmv	1.2	NA-025	03-Jun-19
19050361-002	Isobutylene	K, T, U	< 1.2 ppmv	1.2	NA-025	03-Jun-19
19050361-002	Methane	K, T, U	< 1.2 ppmv	1.2	NA-025	03-Jun-19
19050361-002	n-Propane	K, T, U	< 0.86 ppmv	0.86	NA-025	03-Jun-19
19050361-002	Propylene	K, T, U	< 1.2 ppmv	1.2	NA-025	03-Jun-19
19050361-002	Propyne	K, T, U	< 1.2 ppmv	1.2	NA-025	03-Jun-19
19050361-002	trans-2-Butene	K, T, U	< 1.10 ppmv	1.10	NA-025	03-Jun-19
19050361-002	2,5-Dimethylthiophene	K, T, U	< 0.3 ppbv	0.3	NA-024	05-Jun-19
19050361-002	2-Ethylthiophene	K, T, U	< 0.2 ppbv	0.2	NA-024	05-Jun-19
19050361-002	2-Methylthiophene	K, T, U	< 0.2 ppbv	0.2	NA-024	05-Jun-19
19050361-002	3-Methylthiophene	K, T, U	< 0.3 ppbv	0.3	NA-024	05-Jun-19
19050361-002	Butyl mercaptan	K, T, U	< 0.3 ppbv	0.3	NA-024	05-Jun-19
19050361-002	Carbon disulphide	K, T, U	< 0.2 ppbv	0.2	NA-024	05-Jun-19
19050361-002	Carbonyl sulphide	K, T, U	< 0.3 ppbv	0.3	NA-024	05-Jun-19
19050361-002	Dimethyl disulphide	K, T, U	< 0.2 ppbv	0.2	NA-024	05-Jun-19
19050361-002	Dimethyl sulphide	K, T, U	< 0.2 ppbv	0.2	NA-024	05-Jun-19
19050361-002	Ethyl mercaptan	K, T, U	< 0.3 ppbv	0.3	NA-024	05-Jun-19
19050361-002	Ethyl sulphide	K, T, U	< 0.3 ppbv	0.3	NA-024	05-Jun-19

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PRAMP_842-2019/05/30 - Blank		Ambient Air	30-May-19 10:39
DESCRIPTION:	Blank		
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19050361-002	Hydrogen sulphide	K, T, U	< 0.1 ppbv	0.1	NA-024	05-Jun-19
19050361-002	Isobutyl mercaptan	K, T, U	< 0.3 ppbv	0.3	NA-024	05-Jun-19
19050361-002	Isopropyl mercaptan	K, T, U	< 0.3 ppbv	0.3	NA-024	05-Jun-19
19050361-002	Methyl mercaptan	K, T, U	< 0.2 ppbv	0.2	NA-024	05-Jun-19
19050361-002	Pentyl mercaptan	K, T, U	< 0.4 ppbv	0.4	NA-024	05-Jun-19
19050361-002	Propyl mercaptan	K, T, U	< 0.4 ppbv	0.4	NA-024	05-Jun-19
19050361-002	tert-Butyl mercaptan	K, T, U	< 0.3 ppbv	0.3	NA-024	05-Jun-19
19050361-002	Thiophene	K, T, U	< 0.2 ppbv	0.2	NA-024	05-Jun-19
19050361-002	1,1,1-Trichloroethane	K, T, U	< 0.02 ppbv	0.02	AC-058	04-Jun-19
19050361-002	1,1,2,2-Tetrachloroethane	K, T, U	< 0.02 ppbv	0.02	AC-058	04-Jun-19
19050361-002	1,1,2-Trichloroethane	K, T, U	< 0.02 ppbv	0.02	AC-058	04-Jun-19
19050361-002	1,1-Dichloroethane	K, T, U	< 0.02 ppbv	0.02	AC-058	04-Jun-19
19050361-002	1,1-Dichloroethylene	K, T, U	< 0.04 ppbv	0.04	AC-058	04-Jun-19
19050361-002	1,2,3-Trimethylbenzene	K, T, U	< 0.05 ppbv	0.05	AC-058	04-Jun-19
19050361-002	1,2,4-Trichlorobenzene	K, T, U	< 0.8 ppbv	0.8	AC-058	04-Jun-19
19050361-002	1,2,4-Trimethylbenzene	K, T, U	< 0.05 ppbv	0.05	AC-058	04-Jun-19
19050361-002	1,2-Dibromoethane	K, T, U	< 0.02 ppbv	0.02	AC-058	04-Jun-19
19050361-002	1,2-Dichlorobenzene	K, T, U	< 0.03 ppbv	0.03	AC-058	04-Jun-19
19050361-002	1,2-Dichloroethane	K, T, U	< 0.01 ppbv	0.01	AC-058	04-Jun-19
19050361-002	1,2-Dichloropropane	K, T, U	< 0.01 ppbv	0.01	AC-058	04-Jun-19
19050361-002	1,3,5-Trimethylbenzene	K, T, U	< 0.02 ppbv	0.02	AC-058	04-Jun-19
19050361-002	1,3-Butadiene	K, T, U	< 0.02 ppbv	0.02	AC-058	04-Jun-19
19050361-002	1,3-Dichlorobenzene	K, T, U	< 0.3 ppbv	0.3	AC-058	04-Jun-19
19050361-002	1,4-Dichlorobenzene	K, T, U	< 0.4 ppbv	0.4	AC-058	04-Jun-19
19050361-002	1,4-Dioxane	K, T, U	< 0.4 ppbv	0.4	AC-058	04-Jun-19

Report certified by: Krista Gegolick, Account Coordinator

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

Date: June-21-19

Inquiries: (780) 632 8455

E-mail: EAS.Results@innotechalberta.ca

CLIENT SAMPLE ID	CANISTER ID	Matrix	DATE SAMPLED
PRAMP_842-2019/05/30 - Blank		Ambient Air	30-May-19 10:39
DESCRIPTION:	Blank		
REPORT NUMBER:	19050361	REPORT CREATED:	21-Jun-19
		VERSION:	Version 01

Lab ID	Parameter	Qualifier	Result Units	RDL	Method	Analysis Date
19050361-002	1-Butene/Isobutylene		5.33 ppbv	0.02	AC-058	04-Jun-19
19050361-002	1-Hexene/2-Methyl-1-pentene	K, T, U	< 0.02 ppbv	0.02	AC-058	04-Jun-19
19050361-002	1-Pentene	K, T, U	< 0.01 ppbv	0.01	AC-058	04-Jun-19
19050361-002	2,2,4-Trimethylpentane	K, T, U	< 0.01 ppbv	0.01	AC-058	04-Jun-19
19050361-002	2,2-Dimethylbutane		0.88 ppbv	0.01	AC-058	04-Jun-19
19050361-002	2,3,4-Trimethylpentane	K, T, U	< 0.01 ppbv	0.01	AC-058	04-Jun-19
19050361-002	2,3-Dimethylbutane		0.21 ppbv	0.02	AC-058	04-Jun-19
19050361-002	2,3-Dimethylpentane	K, T, U	< 0.02 ppbv	0.02	AC-058	04-Jun-19
19050361-002	2,4-Dimethylpentane	K, T, U	< 0.01 ppbv	0.01	AC-058	04-Jun-19
19050361-002	2-Methylheptane	K, T, U	< 0.01 ppbv	0.01	AC-058	04-Jun-19
19050361-002	2-Methylhexane	K, T, U	< 0.01 ppbv	0.01	AC-058	04-Jun-19
19050361-002	2-Methylpentane		0.93 ppbv	0.01	AC-058	04-Jun-19
19050361-002	3-Methylheptane	K, T, U	< 0.02 ppbv	0.02	AC-058	04-Jun-19
19050361-002	3-Methylhexane	K, T, U	< 0.02 ppbv	0.02	AC-058	04-Jun-19
19050361-002	3-Methylpentane	K, T, U	< 0.01 ppbv	0.01	AC-058	04-Jun-19
19050361-002	Acetone		4.9 ppbv	0.4	AC-058	04-Jun-19
19050361-002	Acrolein	K, T, U	< 0.3 ppbv	0.3	AC-058	04-Jun-19
19050361-002	Benzene	K, T, U	< 0.01 ppbv	0.01	AC-058	04-Jun-19
19050361-002	Benzyl chloride	K, T, U	< 0.4 ppbv	0.4	AC-058	04-Jun-19
19050361-002	Bromodichloromethane	K, T, U	< 0.02 ppbv	0.02	AC-058	04-Jun-19
19050361-002	Bromoform	K, T, U	< 0.02 ppbv	0.02	AC-058	04-Jun-19
19050361-002	Bromomethane	K, T, U	< 0.01 ppbv	0.01	AC-058	04-Jun-19
19050361-002	Carbon disulfide	K, T, U	< 0.01 ppbv	0.01	AC-058	04-Jun-19
19050361-002	Carbon tetrachloride	K, T, U	< 0.01 ppbv	0.01	AC-058	04-Jun-19
19050361-002	Chlorobenzene	K, T, U	< 0.02 ppbv	0.02	AC-058	04-Jun-19

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REPORT NUMBER:	19050361	REPORT CREATED:	21-Jun-19
		VERSION:	Version 01

Lab ID	Parameter	Qualifier	Result Units	RDL	Method	Analysis Date
19050361-002	Chloroethane	K, T, U	< 0.02 ppbv	0.02	AC-058	04-Jun-19
19050361-002	Chloroform	K, T, U	< 0.02 ppbv	0.02	AC-058	04-Jun-19
19050361-002	Chloromethane	K, T, U	< 0.02 ppbv	0.02	AC-058	04-Jun-19
19050361-002	cis-1,2-Dichloroethene	K, T, U	< 0.01 ppbv	0.01	AC-058	04-Jun-19
19050361-002	cis-1,3-Dichloropropene	K, T, U	< 0.04 ppbv	0.04	AC-058	04-Jun-19
19050361-002	cis-2-Butene	K, T, U	< 0.02 ppbv	0.02	AC-058	04-Jun-19
19050361-002	cis-2-Pentene	K, T, U	< 0.02 ppbv	0.02	AC-058	04-Jun-19
19050361-002	Cyclohexane	K, T, U	< 0.02 ppbv	0.02	AC-058	04-Jun-19
19050361-002	Cyclopentane		183 ppbv	0.12	AC-058	04-Jun-19
19050361-002	Dibromochloromethane	K, T, U	< 0.01 ppbv	0.01	AC-058	04-Jun-19
19050361-002	Ethanol	K, T, U	< 0.3 ppbv	0.3	AC-058	04-Jun-19
19050361-002	Ethyl acetate	K, T, U	< 0.4 ppbv	0.4	AC-058	04-Jun-19
19050361-002	Ethylbenzene	K, T, U	< 0.01 ppbv	0.01	AC-058	04-Jun-19
19050361-002	Freon-11	K, T, U	< 0.02 ppbv	0.02	AC-058	04-Jun-19
19050361-002	Freon-113	K, T, U	< 0.01 ppbv	0.01	AC-058	04-Jun-19
19050361-002	Freon-114	K, T, U	< 0.02 ppbv	0.02	AC-058	04-Jun-19
19050361-002	Freon-12	K, T, U	< 0.02 ppbv	0.02	AC-058	04-Jun-19
19050361-002	Hexachloro-1,3-butadiene	K, T, U	< 0.50 ppbv	0.50	AC-058	04-Jun-19
19050361-002	Isobutane		6.36 ppbv	0.02	AC-058	04-Jun-19
19050361-002	Isopentane		15.2 ppbv	0.03	AC-058	04-Jun-19
19050361-002	Isoprene	K, T, U	< 0.01 ppbv	0.01	AC-058	04-Jun-19
19050361-002	Isopropyl alcohol	K, T, U	< 0.4 ppbv	0.4	AC-058	04-Jun-19
19050361-002	Isopropylbenzene	K, T, U	< 0.01 ppbv	0.01	AC-058	04-Jun-19
19050361-002	m,p-Xylene	K, T, U	< 0.03 ppbv	0.03	AC-058	04-Jun-19
19050361-002	m-Diethylbenzene	K, T, U	< 0.04 ppbv	0.04	AC-058	04-Jun-19

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		VERSION:	Version 01

Lab ID	Parameter	Qualifier	Result Units	RDL	Method	Analysis Date
19050361-002	m-Ethyltoluene	K, T, U	< 0.08 ppbv	0.08	AC-058	04-Jun-19
19050361-002	Methyl butyl ketone	K, T, U	< 0.50 ppbv	0.50	AC-058	04-Jun-19
19050361-002	Methyl ethyl ketone	K, T, U	< 0.3 ppbv	0.3	AC-058	04-Jun-19
19050361-002	Methyl isobutyl ketone	K, T, U	< 0.4 ppbv	0.4	AC-058	04-Jun-19
19050361-002	Methyl methacrylate	K, T, U	< 0.07 ppbv	0.07	AC-058	04-Jun-19
19050361-002	Methyl tert butyl ether	K, T, U	< 0.03 ppbv	0.03	AC-058	04-Jun-19
19050361-002	Methylcyclohexane	K, T, U	< 0.01 ppbv	0.01	AC-058	04-Jun-19
19050361-002	Methylcyclopentane	K, T, U	< 0.02 ppbv	0.02	AC-058	04-Jun-19
19050361-002	Methylene chloride	K, T, U	< 0.3 ppbv	0.3	AC-058	04-Jun-19
19050361-002	n-Butane		0.74 ppbv	0.03	AC-058	04-Jun-19
19050361-002	n-Decane	K, T, U	< 0.06 ppbv	0.06	AC-058	04-Jun-19
19050361-002	n-Dodecane	K, T, U	< 0.4 ppbv	0.4	AC-058	04-Jun-19
19050361-002	n-Heptane	K, T, U	< 0.01 ppbv	0.01	AC-058	04-Jun-19
19050361-002	n-Hexane	K, T, U	< 0.01 ppbv	0.01	AC-058	04-Jun-19
19050361-002	n-Octane	K, T, U	< 0.02 ppbv	0.02	AC-058	04-Jun-19
19050361-002	n-Pentane		4.1 ppbv	0.1	AC-058	04-Jun-19
19050361-002	n-Propylbenzene	K, T, U	< 0.05 ppbv	0.05	AC-058	04-Jun-19
19050361-002	n-Undecane	K, T, U	< 0.5 ppbv	0.5	AC-058	04-Jun-19
19050361-002	Naphthalene	K, T, U	< 0.5 ppbv	0.5	AC-058	04-Jun-19
19050361-002	n-Nonane	K, T, U	< 0.01 ppbv	0.01	AC-058	04-Jun-19
19050361-002	o-Ethyltoluene	K, T, U	< 0.01 ppbv	0.01	AC-058	04-Jun-19
19050361-002	o-Xylene	K, T, U	< 0.01 ppbv	0.01	AC-058	04-Jun-19
19050361-002	p-Diethylbenzene	K, T, U	< 0.04 ppbv	0.04	AC-058	04-Jun-19
19050361-002	p-Ethyltoluene	K, T, U	< 0.07 ppbv	0.07	AC-058	04-Jun-19
19050361-002	Styrene	K, T, U	< 0.04 ppbv	0.04	AC-058	04-Jun-19

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PRAMP_842-2019/05/30 - Blank		Ambient Air	30-May-19 10:39
DESCRIPTION:	Blank		
REPORT NUMBER:	19050361	REPORT CREATED:	21-Jun-19
			VERSION: Version 01

Lab ID	Parameter	Qualifier	Result Units	RDL	Method	Analysis Date
19050361-002	Tetrachloroethylene	K, T, U	< 0.04 ppbv	0.04	AC-058	04-Jun-19
19050361-002	Tetrahydrofuran	K, T, U	< 0.4 ppbv	0.4	AC-058	04-Jun-19
19050361-002	Toluene	K, T, U	< 0.01 ppbv	0.01	AC-058	04-Jun-19
19050361-002	trans-1,2-Dichloroethylene		0.78 ppbv	0.01	AC-058	04-Jun-19
19050361-002	trans-1,3-Dichloropropylene	K, T, U	< 0.04 ppbv	0.04	AC-058	04-Jun-19
19050361-002	trans-2-Butene	K, T, U	< 0.01 ppbv	0.01	AC-058	04-Jun-19
19050361-002	trans-2-Pentene	K, T, U	< 0.02 ppbv	0.02	AC-058	04-Jun-19
19050361-002	Trichloroethylene	K, T, U	< 0.04 ppbv	0.04	AC-058	04-Jun-19
19050361-002	Vinyl acetate	K, T, U	< 0.4 ppbv	0.4	AC-058	04-Jun-19
19050361-002	Vinyl chloride	K, T, U	< 0.02 ppbv	0.02	AC-058	04-Jun-19

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ENVIRONMENTAL ANALYTICAL SERVICES

TEST REPORT

Revision History

Order ID	Ver	Date	Reason
19050361	01	21-Jun-19	Report created



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ENVIRONMENTAL ANALYTICAL SERVICES

TEST REPORT

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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

19050361

Return sample to reception. Unknowns to be reported.



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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:

- 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.*