



# Report of Analysis

**For: DERIE**

Ohio EPA, Lazarus Government Center  
Columbus, OH 43215

**Attn: Aaron Wolfe**

Ames Plant

Report Date: 10/24/2017

<b>Site:</b>		<b>Lab Sample ID:</b>	17102402-01
<b>Location:</b>	EPA017055 - John St	<b>Collection Date:</b>	10/23/2017 3:09 PM
<b>Client Sample ID:</b>		<b>Filter/Canister #:</b>	EPA017055
<b>Received Date:</b>	10/24/2017 7:31:31 AM	<b>Air filter vol (m3):</b>	
<b>Collector:</b>	Aaron Wolfe	<b>Filter Strips:</b>	
<b>Air Type:</b>		<b>Pressure:</b>	
<b>Matrix:</b>	Air Canisters	<b>SampleType:</b>	Composite
<b>Matrix Type:</b>		<b>Client Info:</b>	1710EPA01318
<b>Lab/Field Comment:</b>	Rush		

Analyte	Result	Value		DF	RL	Qual	Date
1,1,1-Trichloroethane	< 0.100	0.00	ppbv	1	0.100	U-	10/24/2017
1,1,2,2-Tetrachloroethane	< 0.100	0.0300	ppbv	1	0.100	U-	10/24/2017
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.100	0.100	ppbv	1	0.100	U+	10/24/2017
1,1,2-Trichloroethane	< 0.100	0.00	ppbv	1	0.100	U-	10/24/2017
1,1-Dichloroethane	< 0.100	0.0400	ppbv	1	0.100	U+	10/24/2017
1,1-Dichloroethene	< 0.100	0.0500	ppbv	1	0.100	U+	10/24/2017
1,2,4-Trichlorobenzene	< 0.500	0.0400	ppbv	1	0.500	U-	10/24/2017
1,2,4-Trimethylbenzene	0.130	0.130	ppbv	1	0.100		10/24/2017
1,2-Dibromoethane	< 0.100	0.00	ppbv	1	0.100	U-	10/24/2017
1,2-Dichloro-1,1,2,2-Tetrafluoroethane	< 0.100	0.00	ppbv	1	0.100	U-	10/24/2017
1,2-Dichlorobenzene	< 0.100	0.0400	ppbv	1	0.100	U+	10/24/2017
1,2-Dichloroethane	< 0.100	0.0600	ppbv	1	0.100	U+	10/24/2017
1,2-Dichloropropane	< 0.100	0.0400	ppbv	1	0.100	U-	10/24/2017
1,3,5-Trimethylbenzene	< 0.100	0.0500	ppbv	1	0.100	U+	10/24/2017
1,3-Butadiene	< 0.100	0.0500	ppbv	1	0.100	U-	10/24/2017
1,3-Dichlorobenzene	< 0.100	0.0400	ppbv	1	0.100	U-	10/24/2017
1,4-Dichlorobenzene	< 0.100	0.0400	ppbv	1	0.100	U-	10/24/2017
1,4-Dioxane	< 0.200	0.00	ppbv	1	0.200	U-	10/24/2017
2,2,4-Trimethylpentane	< 0.200	0.0900	ppbv	1	0.200	U+	10/24/2017
2-Butanone	< 0.500	0.210	ppbv	1	0.500	U+	10/24/2017



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<b>Location:</b>	EPA017055 - John St	<b>Collection Date:</b>	10/23/2017 3:09 PM
<b>Client Sample ID:</b>		<b>Filter/Canister #:</b>	EPA017055
<b>Received Date:</b>	10/24/2017 7:31:31 AM	<b>Air filter vol (m3):</b>	
<b>Collector:</b>	Aaron Wolfe	<b>Filter Strips:</b>	
<b>Air Type:</b>		<b>Pressure:</b>	
<b>Matrix:</b>	Air Canisters	<b>SampleType:</b>	Composite
<b>Matrix Type:</b>		<b>Client Info:</b>	1710EPA01318
<b>Lab/Field Comment:</b>	Rush		

Analyte	Result	Value		DF	RL	Qual	Date
2-Hexanone	< 0.100	0.00	ppbv	1	0.100	U-	10/24/2017
2-Methyl-2-propanol	< 0.500	0.00	ppbv	1	0.500	U-	10/24/2017
3-Chloropropene	< 0.100	0.0400	ppbv	1	0.100	U-	10/24/2017
4-Ethyltoluene	< 0.100	0.0600	ppbv	1	0.100	U+	10/24/2017
4-Methyl-2-pentanone	< 0.100	0.00	ppbv	1	0.100	U-	10/24/2017
Acetone	4.54	4.54	ppbv	1	2.00		10/24/2017
Acrolein	< 0.500	0.210	ppbv	1	0.500	U+	10/24/2017
Acrylonitrile	0.100	0.100	ppbv	1	0.100	U+	10/24/2017
Benzene	0.390	0.390	ppbv	1	0.100		10/24/2017
Benzyl chloride	< 0.200	0.00	ppbv	1	0.200	U-	10/24/2017
Bromodichloromethane	< 0.100	0.00	ppbv	1	0.100	U-	10/24/2017
Bromoform	< 0.100	0.00	ppbv	1	0.100	U-	10/24/2017
Bromomethane	< 0.100	0.00	ppbv	1	0.100	U-	10/24/2017
Carbon disulfide	< 0.500	0.100	ppbv	1	0.500	U+	10/24/2017
Carbon tetrachloride	0.110	0.110	ppbv	1	0.100		10/24/2017
Chlorobenzene	< 0.100	0.0500	ppbv	1	0.100	U+	10/24/2017
Chloroethane	< 0.100	0.00	ppbv	1	0.100	U-	10/24/2017
Chloroform	< 0.100	0.0600	ppbv	1	0.100	U-	10/24/2017
Chloromethane	0.580	0.580	ppbv	1	0.100		10/24/2017
cis-1,2-Dichloroethene	< 0.100	0.0500	ppbv	1	0.100	U+	10/24/2017
cis-1,3-Dichloropropene	< 0.100	0.0300	ppbv	1	0.100	U+	10/24/2017



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<b>Site:</b>		<b>Lab Sample ID:</b>	17102402-01
<b>Location:</b>	EPA017055 - John St	<b>Collection Date:</b>	10/23/2017 3:09 PM
<b>Client Sample ID:</b>		<b>Filter/Canister #:</b>	EPA017055
<b>Received Date:</b>	10/24/2017 7:31:31 AM	<b>Air filter vol (m3):</b>	
<b>Collector:</b>	Aaron Wolfe	<b>Filter Strips:</b>	
<b>Air Type:</b>		<b>Pressure:</b>	
<b>Matrix:</b>	Air Canisters	<b>SampleType:</b>	Composite
<b>Matrix Type:</b>		<b>Client Info:</b>	1710EPA01318
<b>Lab/Field Comment:</b>	Rush		

Analyte	Result	Value		DF	RL	Qual	Date
Cumene	< 0.100	0.0600	ppbv	1	0.100	U+	10/24/2017
Cyclohexane	< 0.100	0.0800	ppbv	1	0.100	U+	10/24/2017
Dibromochloromethane	< 0.100	0.00	ppbv	1	0.100	U-	10/24/2017
Dichlorodifluoromethane	0.540	0.540	ppbv	1	0.100		10/24/2017
Ethanol	4.83	4.83	ppbv	1	1.00		10/24/2017
Ethyl acetate	< 0.100	0.00	ppbv	1	0.100	U-	10/24/2017
Ethylbenzene	< 0.100	0.0800	ppbv	1	0.100	U+	10/24/2017
Hexachlorobutadiene	< 0.100	0.00	ppbv	1	0.100	U-	10/24/2017
Hexane	0.240	0.240	ppbv	1	0.100		10/24/2017
Isopropyl alcohol	< 0.500	0.00	ppbv	1	0.500	U-	10/24/2017
Methyl methacrylate	< 0.100	0.0400	ppbv	1	0.100	U+	10/24/2017
Methyl-butyl ether	< 0.100	0.00	ppbv	1	0.100	U-	10/24/2017
Methylene chloride	0.120	0.120	ppbv	1	0.100		10/24/2017
Naphthalene	< 0.200	0.140	ppbv	1	0.200	U+	10/24/2017
n-Butane	2.12	2.12	ppbv	1	0.100		10/24/2017
n-Heptane	0.100	0.100	ppbv	1	0.100	U+	10/24/2017
n-Nonane	< 0.100	0.0800	ppbv	1	0.100	U+	10/24/2017
n-Pentane	0.730	0.730	ppbv	1	0.100		10/24/2017
n-Propylbenzene	< 0.100	0.0400	ppbv	1	0.100	U+	10/24/2017
o-Chlorotoluene	< 0.100	0.0300	ppbv	1	0.100	U+	10/24/2017
o-Xylene	< 0.100	0.0700	ppbv	1	0.100	U+	10/24/2017



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<b>Location:</b>	EPA017055 - John St	<b>Collection Date:</b>	10/23/2017 3:09 PM
<b>Client Sample ID:</b>		<b>Filter/Canister #:</b>	EPA017055
<b>Received Date:</b>	10/24/2017 7:31:31 AM	<b>Air filter vol (m3):</b>	
<b>Collector:</b>	Aaron Wolfe	<b>Filter Strips:</b>	
<b>Air Type:</b>		<b>Pressure:</b>	
<b>Matrix:</b>	Air Canisters	<b>SampleType:</b>	Composite
<b>Matrix Type:</b>		<b>Client Info:</b>	1710EPA01318
<b>Lab/Field Comment:</b>	Rush		

Analyte	Result	Value		DF	RL	Qual	Date
Propylene	1.16	1.16	ppbv	1	0.200		10/24/2017
Styrene	< 0.100	0.0500	ppbv	1	0.100	U+	10/24/2017
Tetrachloroethylene	< 0.100	0.00	ppbv	1	0.100	U-	10/24/2017
Tetrahydrofuran	< 0.200	0.0800	ppbv	1	0.200	U+	10/24/2017
Toluene	0.230	0.230	ppbv	1	0.100		10/24/2017
Total m&p-xylenes	< 0.200	0.180	ppbv	1	0.200	U+	10/24/2017
trans-1,2-Dichloroethene	< 0.100	0.0400	ppbv	1	0.100	U+	10/24/2017
trans-1,3-Dichloropropene	< 0.200	0.00	ppbv	1	0.200	U-	10/24/2017
Trichloroethene	< 0.100	0.0400	ppbv	1	0.100	U-	10/24/2017
Trichlorofluoromethane	0.220	0.220	ppbv	1	0.100		10/24/2017
Vinyl acetate	< 0.200	0.00	ppbv	1	0.200	U-	10/24/2017
Vinyl bromide	< 0.100	0.00	ppbv	1	0.100	U-	10/24/2017
Vinyl chloride	< 0.100	0.00	ppbv	1	0.100	U-	10/24/2017



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<b>Site:</b>		<b>Lab Sample ID:</b>	17102402-02
<b>Location:</b>	EPA028207 - Lowes Parking Lot	<b>Collection Date:</b>	10/23/2017 6:19 PM
<b>Client Sample ID:</b>		<b>Filter/Canister #:</b>	EPA028207
<b>Received Date:</b>	10/24/2017 7:31:31 AM	<b>Air filter vol (m3):</b>	
<b>Collector:</b>	Aaron Wolfe	<b>Filter Strips:</b>	
<b>Air Type:</b>		<b>Pressure:</b>	
<b>Matrix:</b>	Air Canisters	<b>SampleType:</b>	Composite
<b>Matrix Type:</b>		<b>Client Info:</b>	1710EPA01318
<b>Lab/Field Comment:</b>	Rush		

Analyte	Result	Value		DF	RL	Qual	Date
1,1,1-Trichloroethane	< 0.100	0.00	ppbv	1	0.100	U-	10/24/2017
1,1,2,2-Tetrachloroethane	< 0.100	0.00	ppbv	1	0.100	U-	10/24/2017
1,1,2-Trichloro-1,2,2-Trifluoroethane	< 0.100	0.0700	ppbv	1	0.100	U+	10/24/2017
1,1,2-Trichloroethane	< 0.100	0.00	ppbv	1	0.100	U-	10/24/2017
1,1-Dichloroethane	< 0.100	0.00	ppbv	1	0.100	U-	10/24/2017
1,1-Dichloroethene	< 0.100	0.00	ppbv	1	0.100	U-	10/24/2017
1,2,4-Trichlorobenzene	< 0.500	0.00	ppbv	1	0.500	U-	10/24/2017
1,2,4-Trimethylbenzene	< 0.100	0.00	ppbv	1	0.100	U-	10/24/2017
1,2-Dibromoethane	< 0.100	0.00	ppbv	1	0.100	U-	10/24/2017
1,2-Dichloro-1,1,2,2-Tetrafluoroethane	< 0.100	0.00	ppbv	1	0.100	U-	10/24/2017
1,2-Dichlorobenzene	< 0.100	0.00	ppbv	1	0.100	U-	10/24/2017
1,2-Dichloroethane	< 0.100	0.00	ppbv	1	0.100	U-	10/24/2017
1,2-Dichloropropane	< 0.100	0.00	ppbv	1	0.100	U-	10/24/2017
1,3,5-Trimethylbenzene	< 0.100	0.00	ppbv	1	0.100	U-	10/24/2017
1,3-Butadiene	< 0.100	0.00	ppbv	1	0.100	U-	10/24/2017
1,3-Dichlorobenzene	< 0.100	0.00	ppbv	1	0.100	U-	10/24/2017
1,4-Dichlorobenzene	< 0.100	0.00	ppbv	1	0.100	U-	10/24/2017
1,4-Dioxane	< 0.200	0.00	ppbv	1	0.200	U-	10/24/2017
2,2,4-Trimethylpentane	< 0.200	0.100	ppbv	1	0.200	U+	10/24/2017
2-Butanone	< 0.500	0.0500	ppbv	1	0.500	U+	10/24/2017



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<b>Site:</b>		<b>Lab Sample ID:</b>	17102402-02
<b>Location:</b>	EPA028207 - Lowes Parking Lot	<b>Collection Date:</b>	10/23/2017 6:19 PM
<b>Client Sample ID:</b>		<b>Filter/Canister #:</b>	EPA028207
<b>Received Date:</b>	10/24/2017 7:31:31 AM	<b>Air filter vol (m3):</b>	
<b>Collector:</b>	Aaron Wolfe	<b>Filter Strips:</b>	
<b>Air Type:</b>		<b>Pressure:</b>	
<b>Matrix:</b>	Air Canisters	<b>SampleType:</b>	Composite
<b>Matrix Type:</b>		<b>Client Info:</b>	1710EPA01318
<b>Lab/Field Comment:</b>	Rush		

Analyte	Result	Value		DF	RL	Qual	Date
2-Hexanone	< 0.100	0.00	ppbv	1	0.100	U-	10/24/2017
2-Methyl-2-propanol	< 0.500	0.00	ppbv	1	0.500	U-	10/24/2017
3-Chloropropene	< 0.100	0.00	ppbv	1	0.100	U-	10/24/2017
4-Ethyltoluene	< 0.100	0.00	ppbv	1	0.100	U-	10/24/2017
4-Methyl-2-pentanone	< 0.100	0.00	ppbv	1	0.100	U-	10/24/2017
Acetone	2.02	2.02	ppbv	1	2.00		10/24/2017
Acrolein	< 0.500	0.0700	ppbv	1	0.500	U+	10/24/2017
Acrylonitrile	0.160	0.160	ppbv	1	0.100		10/24/2017
Benzene	1.12	1.12	ppbv	1	0.100		10/24/2017
Benzyl chloride	< 0.200	0.00	ppbv	1	0.200	U-	10/24/2017
Bromodichloromethane	< 0.100	0.00	ppbv	1	0.100	U-	10/24/2017
Bromoform	< 0.100	0.00	ppbv	1	0.100	U-	10/24/2017
Bromomethane	< 0.100	0.00	ppbv	1	0.100	U-	10/24/2017
Carbon disulfide	< 0.500	0.00	ppbv	1	0.500	U-	10/24/2017
Carbon tetrachloride	< 0.100	0.00	ppbv	1	0.100	U-	10/24/2017
Chlorobenzene	< 0.100	0.00	ppbv	1	0.100	U-	10/24/2017
Chloroethane	< 0.100	0.00	ppbv	1	0.100	U-	10/24/2017
Chloroform	< 0.100	0.00	ppbv	1	0.100	U-	10/24/2017
Chloromethane	0.660	0.660	ppbv	1	0.100		10/24/2017
cis-1,2-Dichloroethene	< 0.100	0.00	ppbv	1	0.100	U-	10/24/2017
cis-1,3-Dichloropropene	< 0.100	0.00	ppbv	1	0.100	U-	10/24/2017



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<b>Site:</b>		<b>Lab Sample ID:</b>	17102402-02
<b>Location:</b>	EPA028207 - Lowes Parking Lot	<b>Collection Date:</b>	10/23/2017 6:19 PM
<b>Client Sample ID:</b>		<b>Filter/Canister #:</b>	EPA028207
<b>Received Date:</b>	10/24/2017 7:31:31 AM	<b>Air filter vol (m3):</b>	
<b>Collector:</b>	Aaron Wolfe	<b>Filter Strips:</b>	
<b>Air Type:</b>		<b>Pressure:</b>	
<b>Matrix:</b>	Air Canisters	<b>SampleType:</b>	Composite
<b>Matrix Type:</b>		<b>Client Info:</b>	1710EPA01318
<b>Lab/Field Comment:</b>	Rush		

Analyte	Result	Value		DF	RL	Qual	Date
Cumene	< 0.100	0.00	ppbv	1	0.100	U-	10/24/2017
Cyclohexane	< 0.100	0.0200	ppbv	1	0.100	U-	10/24/2017
Dibromochloromethane	< 0.100	0.00	ppbv	1	0.100	U-	10/24/2017
Dichlorodifluoromethane	0.640	0.640	ppbv	1	0.100		10/24/2017
Ethanol	1.32	1.32	ppbv	1	1.00		10/24/2017
Ethyl acetate	< 0.100	0.00	ppbv	1	0.100	U-	10/24/2017
Ethylbenzene	< 0.100	0.0500	ppbv	1	0.100	U+	10/24/2017
Hexachlorobutadiene	< 0.100	0.00	ppbv	1	0.100	U-	10/24/2017
Hexane	< 0.100	0.0900	ppbv	1	0.100	U+	10/24/2017
Isopropyl alcohol	< 0.500	0.120	ppbv	1	0.500	U+	10/24/2017
Methyl methacrylate	< 0.100	0.00	ppbv	1	0.100	U-	10/24/2017
Methyl-butyl ether	< 0.100	0.00	ppbv	1	0.100	U-	10/24/2017
Methylene chloride	< 0.100	0.0700	ppbv	1	0.100	U+	10/24/2017
Naphthalene	< 0.200	0.0600	ppbv	1	0.200	U-	10/24/2017
n-Butane	0.520	0.520	ppbv	1	0.100		10/24/2017
n-Heptane	< 0.100	0.00	ppbv	1	0.100	U-	10/24/2017
n-Nonane	< 0.100	0.00	ppbv	1	0.100	U-	10/24/2017
n-Pentane	0.210	0.210	ppbv	1	0.100		10/24/2017
n-Propylbenzene	< 0.100	0.00	ppbv	1	0.100	U-	10/24/2017
o-Chlorotoluene	< 0.100	0.00	ppbv	1	0.100	U-	10/24/2017
o-Xylene	< 0.100	0.0200	ppbv	1	0.100	U-	10/24/2017



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<b>Location:</b>	EPA028207 - Lowes Parking Lot	<b>Collection Date:</b>	10/23/2017 6:19 PM
<b>Client Sample ID:</b>		<b>Filter/Canister #:</b>	EPA028207
<b>Received Date:</b>	10/24/2017 7:31:31 AM	<b>Air filter vol (m3):</b>	
<b>Collector:</b>	Aaron Wolfe	<b>Filter Strips:</b>	
<b>Air Type:</b>		<b>Pressure:</b>	
<b>Matrix:</b>	Air Canisters	<b>SampleType:</b>	Composite
<b>Matrix Type:</b>		<b>Client Info:</b>	1710EPA01318
<b>Lab/Field Comment:</b>	Rush		

Analyte	Result	Value		DF	RL	Qual	Date
Propylene	<b>0.590</b>	0.590	ppbv	1	0.200		10/24/2017
Styrene	<b>&lt; 0.100</b>	0.0300	ppbv	1	0.100	U+	10/24/2017
Tetrachloroethylene	<b>&lt; 0.100</b>	0.00	ppbv	1	0.100	U-	10/24/2017
Tetrahydrofuran	<b>&lt; 0.200</b>	0.00	ppbv	1	0.200	U-	10/24/2017
Toluene	<b>0.240</b>	0.240	ppbv	1	0.100		10/24/2017
Total m&p-xylenes	<b>&lt; 0.200</b>	0.120	ppbv	1	0.200	U+	10/24/2017
trans-1,2-Dichloroethene	<b>&lt; 0.100</b>	0.00	ppbv	1	0.100	U-	10/24/2017
trans-1,3-Dichloropropene	<b>&lt; 0.200</b>	0.00	ppbv	1	0.200	U-	10/24/2017
Trichloroethene	<b>&lt; 0.100</b>	0.00	ppbv	1	0.100	U-	10/24/2017
Trichlorofluoromethane	<b>0.220</b>	0.220	ppbv	1	0.100		10/24/2017
Vinyl acetate	<b>&lt; 0.200</b>	0.00	ppbv	1	0.200	U-	10/24/2017
Vinyl bromide	<b>&lt; 0.100</b>	0.00	ppbv	1	0.100	U-	10/24/2017
Vinyl chloride	<b>&lt; 0.100</b>	0.00	ppbv	1	0.100	U-	10/24/2017





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Report Date: 10/24/2017

<b>Site:</b>		<b>Lab Sample ID:</b>	17102402-03
<b>Location:</b>	EPA017059 - Thrid St	<b>Collection Date:</b>	10/23/2017 5:33 PM
<b>Client Sample ID:</b>		<b>Filter/Canister #:</b>	EPA017059
<b>Received Date:</b>	10/24/2017 7:31:31 AM	<b>Air filter vol (m3):</b>	
<b>Collector:</b>	Aaron Wolfe	<b>Filter Strips:</b>	
<b>Air Type:</b>		<b>Pressure:</b>	
<b>Matrix:</b>	Air Canisters	<b>SampleType:</b>	Composite
<b>Matrix Type:</b>		<b>Client Info:</b>	1710EPA01318
<b>Lab/Field Comment:</b>	Rush		

Analyte	Result	Value		DF	RL	Qual	Date
1,1,1-Trichloroethane	< 0.100	0.00	ppbv	1	0.100	U-	10/24/2017
1,1,2,2-Tetrachloroethane	< 0.100	0.00	ppbv	1	0.100	U-	10/24/2017
1,1,2-Trichloro-1,2,2-Trifluoroethane	< 0.100	0.0700	ppbv	1	0.100	U+	10/24/2017
1,1,2-Trichloroethane	< 0.100	0.00	ppbv	1	0.100	U-	10/24/2017
1,1-Dichloroethane	< 0.100	0.00	ppbv	1	0.100	U-	10/24/2017
1,1-Dichloroethene	< 0.100	0.00	ppbv	1	0.100	U-	10/24/2017
1,2,4-Trichlorobenzene	< 0.500	0.00	ppbv	1	0.500	U-	10/24/2017
1,2,4-Trimethylbenzene	< 0.100	0.00	ppbv	1	0.100	U-	10/24/2017
1,2-Dibromoethane	< 0.100	0.00	ppbv	1	0.100	U-	10/24/2017
1,2-Dichloro-1,1,2,2-Tetrafluoroethane	< 0.100	0.00	ppbv	1	0.100	U-	10/24/2017
1,2-Dichlorobenzene	< 0.100	0.00	ppbv	1	0.100	U-	10/24/2017
1,2-Dichloroethane	< 0.100	0.00	ppbv	1	0.100	U-	10/24/2017
1,2-Dichloropropane	< 0.100	0.00	ppbv	1	0.100	U-	10/24/2017
1,3,5-Trimethylbenzene	< 0.100	0.00	ppbv	1	0.100	U-	10/24/2017
1,3-Butadiene	< 0.100	0.00	ppbv	1	0.100	U-	10/24/2017
1,3-Dichlorobenzene	< 0.100	0.00	ppbv	1	0.100	U-	10/24/2017
1,4-Dichlorobenzene	< 0.100	0.00	ppbv	1	0.100	U-	10/24/2017
1,4-Dioxane	< 0.200	0.00	ppbv	1	0.200	U-	10/24/2017
2,2,4-Trimethylpentane	< 0.200	0.0900	ppbv	1	0.200	U+	10/24/2017
2-Butanone	< 0.500	0.0800	ppbv	1	0.500	U+	10/24/2017



# Report of Analysis

**For: DERIE**

Ohio EPA, Lazarus Government Center  
Columbus, OH 43215

**Attn: Aaron Wolfe**

Ames Plant

Report Date: 10/24/2017

<b>Site:</b>		<b>Lab Sample ID:</b>	17102402-03
<b>Location:</b>	EPA017059 - Thrid St	<b>Collection Date:</b>	10/23/2017 5:33 PM
<b>Client Sample ID:</b>		<b>Filter/Canister #:</b>	EPA017059
<b>Received Date:</b>	10/24/2017 7:31:31 AM	<b>Air filter vol (m3):</b>	
<b>Collector:</b>	Aaron Wolfe	<b>Filter Strips:</b>	
<b>Air Type:</b>		<b>Pressure:</b>	
<b>Matrix:</b>	Air Canisters	<b>SampleType:</b>	Composite
<b>Matrix Type:</b>		<b>Client Info:</b>	1710EPA01318
<b>Lab/Field Comment:</b>	Rush		

Analyte	Result	Value		DF	RL	Qual	Date
2-Hexanone	< 0.100	0.00	ppbv	1	0.100	U-	10/24/2017
2-Methyl-2-propanol	< 0.500	0.00	ppbv	1	0.500	U-	10/24/2017
3-Chloropropene	< 0.100	0.00	ppbv	1	0.100	U-	10/24/2017
4-Ethyltoluene	< 0.100	0.00	ppbv	1	0.100	U-	10/24/2017
4-Methyl-2-pentanone	< 0.100	0.00	ppbv	1	0.100	U-	10/24/2017
Acetone	2.46	2.46	ppbv	1	2.00		10/24/2017
Acrolein	< 0.500	0.00	ppbv	1	0.500	U-	10/24/2017
Acrylonitrile	< 0.100	0.00	ppbv	1	0.100	U-	10/24/2017
Benzene	< 0.100	0.0700	ppbv	1	0.100	U+	10/24/2017
Benzyl chloride	< 0.200	0.00	ppbv	1	0.200	U-	10/24/2017
Bromodichloromethane	< 0.100	0.00	ppbv	1	0.100	U-	10/24/2017
Bromoform	< 0.100	0.00	ppbv	1	0.100	U-	10/24/2017
Bromomethane	< 0.100	0.00	ppbv	1	0.100	U-	10/24/2017
Carbon disulfide	< 0.500	0.00	ppbv	1	0.500	U-	10/24/2017
Carbon tetrachloride	< 0.100	0.00	ppbv	1	0.100	U-	10/24/2017
Chlorobenzene	< 0.100	0.00	ppbv	1	0.100	U-	10/24/2017
Chloroethane	< 0.100	0.00	ppbv	1	0.100	U-	10/24/2017
Chloroform	< 0.100	0.00	ppbv	1	0.100	U-	10/24/2017
Chloromethane	0.680	0.680	ppbv	1	0.100		10/24/2017
cis-1,2-Dichloroethene	< 0.100	0.00	ppbv	1	0.100	U-	10/24/2017
cis-1,3-Dichloropropene	< 0.100	0.00	ppbv	1	0.100	U-	10/24/2017



# Report of Analysis

**For: DERIE**

Ohio EPA, Lazarus Government Center  
Columbus, OH 43215

**Attn: Aaron Wolfe**

Ames Plant

Report Date: 10/24/2017

<b>Site:</b>		<b>Lab Sample ID:</b>	17102402-03
<b>Location:</b>	EPA017059 - Thrid St	<b>Collection Date:</b>	10/23/2017 5:33 PM
<b>Client Sample ID:</b>		<b>Filter/Canister #:</b>	EPA017059
<b>Received Date:</b>	10/24/2017 7:31:31 AM	<b>Air filter vol (m3):</b>	
<b>Collector:</b>	Aaron Wolfe	<b>Filter Strips:</b>	
<b>Air Type:</b>		<b>Pressure:</b>	
<b>Matrix:</b>	Air Canisters	<b>SampleType:</b>	Composite
<b>Matrix Type:</b>		<b>Client Info:</b>	1710EPA01318
<b>Lab/Field Comment:</b>	Rush		

Analyte	Result	Value		DF	RL	Qual	Date
Cumene	< 0.100	0.00	ppbv	1	0.100	U-	10/24/2017
Cyclohexane	0.480	0.480	ppbv	1	0.100		10/24/2017
Dibromochloromethane	< 0.100	0.00	ppbv	1	0.100	U-	10/24/2017
Dichlorodifluoromethane	0.640	0.640	ppbv	1	0.100		10/24/2017
Ethanol	< 1.00	0.00	ppbv	1	1.00	U-	10/24/2017
Ethyl acetate	< 0.100	0.00	ppbv	1	0.100	U-	10/24/2017
Ethylbenzene	< 0.100	0.00	ppbv	1	0.100	U-	10/24/2017
Hexachlorobutadiene	< 0.100	0.00	ppbv	1	0.100	U-	10/24/2017
Hexane	0.220	0.220	ppbv	1	0.100		10/24/2017
Isopropyl alcohol	< 0.500	0.00	ppbv	1	0.500	U-	10/24/2017
Methyl methacrylate	< 0.100	0.00	ppbv	1	0.100	U-	10/24/2017
Methyl-butyl ether	< 0.100	0.00	ppbv	1	0.100	U-	10/24/2017
Methylene chloride	< 0.100	0.0800	ppbv	1	0.100	U+	10/24/2017
Naphthalene	< 0.200	0.0200	ppbv	1	0.200	U-	10/24/2017
n-Butane	1.58	1.58	ppbv	1	0.100		10/24/2017
n-Heptane	< 0.100	0.0500	ppbv	1	0.100	U+	10/24/2017
n-Nonane	< 0.100	0.00	ppbv	1	0.100	U-	10/24/2017
n-Pentane	1.21	1.21	ppbv	1	0.100		10/24/2017
n-Propylbenzene	< 0.100	0.00	ppbv	1	0.100	U-	10/24/2017
o-Chlorotoluene	< 0.100	0.00	ppbv	1	0.100	U-	10/24/2017
o-Xylene	< 0.100	0.00	ppbv	1	0.100	U-	10/24/2017



# Report of Analysis

**For: DERIE**

Ohio EPA, Lazarus Government Center  
Columbus, OH 43215

**Attn: Aaron Wolfe**

Ames Plant

Report Date: 10/24/2017

<b>Site:</b>		<b>Lab Sample ID:</b>	17102402-03
<b>Location:</b>	EPA017059 - Thrid St	<b>Collection Date:</b>	10/23/2017 5:33 PM
<b>Client Sample ID:</b>		<b>Filter/Canister #:</b>	EPA017059
<b>Received Date:</b>	10/24/2017 7:31:31 AM	<b>Air filter vol (m3):</b>	
<b>Collector:</b>	Aaron Wolfe	<b>Filter Strips:</b>	
<b>Air Type:</b>		<b>Pressure:</b>	
<b>Matrix:</b>	Air Canisters	<b>SampleType:</b>	Composite
<b>Matrix Type:</b>		<b>Client Info:</b>	1710EPA01318
<b>Lab/Field Comment:</b>	Rush		

Analyte	Result	Value		DF	RL	Qual	Date
Propylene	0.350	0.350	ppbv	1	0.200		10/24/2017
Styrene	< 0.100	0.00	ppbv	1	0.100	U-	10/24/2017
Tetrachloroethylene	< 0.100	0.00	ppbv	1	0.100	U-	10/24/2017
Tetrahydrofuran	< 0.200	0.00	ppbv	1	0.200	U-	10/24/2017
Toluene	< 0.100	0.0900	ppbv	1	0.100	U+	10/24/2017
Total m&p-xylenes	< 0.200	0.0500	ppbv	1	0.200	U-	10/24/2017
trans-1,2-Dichloroethene	< 0.100	0.00	ppbv	1	0.100	U-	10/24/2017
trans-1,3-Dichloropropene	< 0.200	0.00	ppbv	1	0.200	U-	10/24/2017
Trichloroethene	< 0.100	0.00	ppbv	1	0.100	U-	10/24/2017
Trichlorofluoromethane	0.220	0.220	ppbv	1	0.100		10/24/2017
Vinyl acetate	< 0.200	0.00	ppbv	1	0.200	U-	10/24/2017
Vinyl bromide	< 0.100	0.00	ppbv	1	0.100	U-	10/24/2017
Vinyl chloride	< 0.100	0.00	ppbv	1	0.100	U-	10/24/2017

NA = not analyzed