



May 19, 2022

Project 1007

Durham Furniture Inc.  
450 Lambton Street West  
Durham, ON N0G 1R0  
(t) 519 369-2607 x2230

**Re: 2021 NPRI and Written Summary Annual Reporting  
Final Report**

The following letter report summarizes the review conducted for the 2021 NPRI annual reporting along with the ECA annual written summary.

For the NPRI finishing product usage, recycle, wood and natural gas combustion data were reviewed. Thresholds for PM 2.5 and 10, Toluene, and total VOCs were met.

Part 1A Core Substances – Toluene was reported as it just exceeded the 10-tonne threshold with MPO of 11.16 tonnes.

Part 5 Speciated VOCs reported were Ethyl Alcohol, Toluene, N Butyl Acetate, Xylene, and Mineral Spirits. Similar to 2020 with the addition of Mineral Spirits.

A detailed report is given in Attachment 1 including NPRI and confirmation of submission on Single Windows.

Environmental Compliance Approval (Air and Noise) Number 7758-A8LKAX (November 4, 2016) Condition 5.1 requires that an updated log be kept, ESDM and AAR reports updated no later than June 30 (accurate as of December 31 in the previous year). We understand there were no changes to facility operations in 2021 that significantly impacted air or noise emissions.

In accordance with Condition 6, an Annual Written Summary be prepared and submitted by August 31 of each year. Attachment 2 provides the written summary submitted online, along with the Source Summary and Emission Summary tables.

The updated ESDM was of October is current and remains in Durham's onsite files.

If there are any questions, please do not hesitate to contact the undersigned.

Yours truly,  
CCS Engineering Inc.

A handwritten signature in black ink, appearing to read "Jim Anderson".

Jim Anderson, M.Eng., P.Eng.  
Principal  
JA/JA  
Attachments

**Single Windows Summary Report  
Confirmation of Submission  
NPRI Review**



Government  
of Canada

Gouvernement  
du Canada

# National Pollutant Release Inventory Summary Report

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## General Information

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NPRI ID

5897

Company Legal Name

Durham Furniture Inc.

Facility Name

Durham Plant

Facility Address

450 Lambton Street West, Durham, Ontario, N0G 1R0, Canada

## Report Details

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Report Year

2021

Programs

NPRI

Report Types

NPRI Inventory

Report Status

Submitted

## Substances

CAS RN	Substance Name	Releases	Disposals	Recycling	Unit
108-88-3	Toluene	2.83		8.34	tonnes
N/A	Speciated VOCs (62 substances)	13.11			tonnes
NA - M09	PM10 - Particulate Matter <= 10 Microns	2.09			tonnes
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	1.84			tonnes
NA - M16	Volatile Organic Compounds (VOCs)	25.7			tonnes

**Version:** 4.1.6.4076-009



# National Pollutant Release Inventory

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## History/Print Preview

### General Information

Company Name

Durham Furniture Inc.

Facility Name

Durham Plant


Year

2021

NPRI ID

5897

### History

Status	Update	Progress	Date	Time	Actions
✓	1	Submitted	19/05/2022	11:36:20 AM	 View Report

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<b>Durham Furniture Inc. (Durham)</b>	
<b>NPRI / TRA</b>	<b>2021</b>

SITE DETAILS			
Company	Durham Furniture Inc.	Parent Company	N/A
Site Name	Durham Facility	% Ownership	
Address	450 Lambton Street W Durham ON N0G 1R0 Canada	Address	
Latitude	44.105	D&B D-U-N-S No.	
Longitude	-80.492	Federal Business No.	
UTM Zone	17		
UTM Easting	514033.7		
UTM Northing	4891412.3		
NPRI ID	5897		
MOE ID	291700		
D&B D-U-N-S No.	24-923-8981		
Federal Business No.	132743337		
NAICS Code (6 digits)	337123		
CDN SIC (4 digits)	2611		
US SIC (4 digits)	2511		

CONTACT INFORMATION			
Project Coordinator	Luke Simpson	Technical Contact	Jacqui Davidson
Position	President and CEO	Position	Health and Safety Supervisor
Address	450 Lambton Street W Durham ON N0G 1R0 Canada	Address	450 Lambton Street W Durham ON N0G 1R0 Canada
Phone	519-369-2345 x 2246	Phone	519-369-2607 x2290
Fax	519-369-2715	Fax	519-369-2715
Email	<a href="mailto:lsimpson@durhamfurniture.com">lsimpson@durhamfurniture.com</a>	Email	<a href="mailto:jdavidson@durhamfurniture.com">jdavidson@durhamfurniture.com</a>
Public Contact	Luke Simpson	Certifying Contact	Luke Simpson
Position	President and CEO	Position	President and CEO
Address	450 Lambton Street W Durham ON N0G 1R0 Canada	Address	450 Lambton Street W Durham ON N0G 1R0 Canada
Phone	519-369-2345 x 2246	Phone	519-369-2345 x 2246
Fax	519-369-2715	Fax	519-369-2715
Email	<a href="mailto:lsimpson@durhamfurniture.com">lsimpson@durhamfurniture.com</a>	Email	<a href="mailto:lsimpson@durhamfurniture.com">lsimpson@durhamfurniture.com</a>
Contractor	Jim Anderson		
Position	Principal		
Company	CCS Engineering Inc.		
Address	69 Lawrence Street Wellesley ON N0B 2T0 Canada		
Phone	519 504 7241		
Fax	226 646 1113		
Email	<a href="mailto:jim@ccseng.ca">jim@ccseng.ca</a>		

TYPICAL FACILITY OPERATION IN REPORTING YEAR				
Days of Operation	<input checked="" type="checkbox"/> Monday <input checked="" type="checkbox"/> Tuesday <input checked="" type="checkbox"/> Wednesday <input checked="" type="checkbox"/> Thursday <input checked="" type="checkbox"/> Friday <input type="checkbox"/> Saturday <input type="checkbox"/> Sunday			
Hours of Operation	<input type="checkbox"/> 24 hr <input type="checkbox"/> 16 hr <input checked="" type="checkbox"/> 8 hr <input type="checkbox"/> Other		Start Time:	6:00
	If other, total number of daily hours:			
Shutdowns > 1 week (incl. start/end date)	July 18-Aug 2			
No. of Employees	190			
Production	<b>Month</b>	<b>Possible Production Days</b>	<b>Monthly Percentage</b>	<b>Quarterly Percentage</b>
	January	22	8.943%	25.2%
	February	19	7.724%	
	March	21	8.537%	
	April	21	8.537%	25.6%
	May	21	8.537%	
	June	21	8.537%	
	July	18	7.317%	23.6%
	August	19	7.724%	
	September	21	8.537%	
	October	22	8.943%	25.6%
	November	20	8.130%	
	December	21	8.537%	
<b>Total</b>	<b>246</b>	<b>100.000%</b>		

**Part 1A: Core Substances**

Report:

CAS	Substance Name	2021 MPO (tonnes)	2021 Emission (tonnes)	2020 MPO (tonnes)	2020 Emission (tonnes)	% Change in Total Emissions	2021 Recycled (tonnes)	2020 Recycled (tonnes)	% Change in Total Recycled
108-88-3	Toluene	11.16	2.83	6.05	1.91	216.8%	8.34	6.06	37.7%

**Part 1B: Other Substances**

Nothing to report.

**Part 2: Polycyclic Aromatic Hydrocarbons**

Nothing to report.

**Part 3: Hexachlorobenzene and Dioxins / Furans**

Nothing to report.

**Part 4: Criteria Air Contaminants**

Report:

CAS	Substance Name	2021 Releases (tonnes)	2020 Releases (tonnes)	2019 Releases (tonnes)	2018 Releases (tonnes)	2017 Releases (tonnes)	2016 Releases (tonnes)	2015 Releases (tonnes)	2014 Releases (tonnes)	2013 Releases (tonnes)	% Change in Releases	Emission Basis
-	PM-2.5	1.8040	1.4361	1.9217	2.1081	2.1824	1.6589	1.5346	1.4433	1.663	-6.1%	EF
-	PM-10	2.0928	1.6657	2.2304	2.4263	2.5322	1.9243	1.7800	1.6735	1.929	-6.2%	EF
-	VOCs	25.7232	19.4999	14.0814	12.0832	37.7971	24.1614	19.7434	30.1880	41.554	82.7%	C-MB

**Part 5: Speciated Volatile Organic Compounds**

CAS	Substance Name	2021 Emissions (tonnes)	2020 Emissions (tonnes)	2019 Emissions (tonnes)	2018 Emissions (tonnes)	2017 Emissions (tonnes)	2016 Emissions (tonnes)	2015 Emissions (tonnes)	2014 Emissions (tonnes)	2013 Emissions (tonnes)	% Change in Releases
64-17-5	Ethyl Alcohol	3.9159	3.5546	2.2402	2.6660	5.9566	4.4089	5.74293701	5.3977	7.054	74.6%
108-88-3	Toluene	2.8251	1.9179	0.8867	0.9179	4.7836	2.2043	3.93453575	4.0703	6.271	218.6%
123-86-4	N-Butyl Acetate	3.8545	3.5397	2.5450	2.3620	6.3113	3.7272	5.76893289	5.9723	9.199	51.5%
1330-20-7	Xylenes	2.2393	1.8025	0.8614	0.8249	1.8929	1.2283	1.30005871	1.5437	1.922	160.0%
8052-41-3	Mineral Spirits	1.2633	0.0628	0.9509	1.0036	2.5243	1.9028	2.36803968	3.1073	-	32.8%
	Total Speciated VOCs:	15.4632	11.9922	8.1601	8.6456	24.5820	14.7006	20.9928627	21.1146	32.7939412	89.5%

Exit for 2018  
Exit for 2018  
Exit for 2019

**Part 1A: Substances**

**Wood Combustion**

Amount of wood Burned:	1588366.8	lb/yr
	721,985	kg/yr
For dry wood:	8,000	btu/lb
	17,636.68	btu/kg
Total Btu:	12,733.42	MMBtu/yr

Organic Compound	CAS	Emission Factor (lb/MMBtu)	Emission Rate (kg)
Acetaldehyde	75-07-0	8.30E-04	4.8
Acrolein	107-02-8	4.00E-03	23.1
Benzene	71-43-2	4.20E-03	24.3
Chlorine	7782-50-5	7.90E-04	4.6
Formaldehyde	50-00-0	4.40E-03	25.4
Styrene	100-42-5	1.90E-03	11.0
Toluene	108-88-3	9.20E-04	5.3
Xylene	1330-20-7	2.50E-05	0.1
Chromium	*	2.10E-05	0.1
Silver	*	1.70E-03	9.8
Zinc	*	4.20E-04	2.4

\* and its compounds

**Product Usage**

Contaminant	CAS	MPO (Axalta) (kg)	MPO (RPM) (kg)	MPO (Wood) (kg)	Total MPO (kg)	Threshold (kg)	Report (Y/N)	Recycled (kg)	Emitted to Air (kg)
Manganese (and its compounds)	--					10,000	No		
Chromium (and its compounds)	--		0.391	0.12	0.5	10,000	No		0.51
Silver	--			9.82	9.8	10,000	No		9.82
Zinc	--			2.43	2.4	10,000	No		2.43
Cobalt (and its compounds)	--					10,000	No		
Formaldehyde	50-00-0	29.950	2.910	25.414	58.3	10,000	No	18.539	39.73
Methyl Alcohol	67-56-1	1522.420	0.060		1,522.5	10,000	No	1327.268	195.21
Isopropyl Alcohol	67-63-0	1375.950	542.840		1,918.8	10,000	No	1082.548	836.24
N-Butyl Alcohol	71-36-3		252.920		252.9	10,000	No	142.693	110.23
Benzene	71-43-2		0.240	24.259	24.5	10,000	No	0.135	24.36
Acetaldehyde	75-07-0			4.79	4.8	10,000	No		4.79
Isobutyl Alcohol	78-83-1	2430.090	0.110		2,430.2	10,000	No	1371.077	1,059.12
Methyl Ethyl Ketone	78-93-3	1736.320	152.690		1,889.0	10,000	No	1555.346	333.66
Naphthalene	91-20-3	21.750			21.8	10,000	No	12.271	9.48
O-Xylene	95-47-6		24.020		24.0	10,000	No		24.02
1,2,4-Trimethylbenzene	95-63-6	155.290	7.200		162.5	10,000	No	91.674	70.82
Cumene	98-82-8	12.770			12.8	10,000	No	7.205	5.57
Ethylbenzene	100-41-4	1058.510	7.905		1,066.4	10,000	No	601.653	464.76
Styrene	100-42-5			10.97	11.0	10,000	No		10.97
P-Xylene	106-42-3		18.880		18.9	10,000	No		18.88
Acrolein	107-02-8			23.10	23.1	10,000	No		23.10
Ethylene Glycol	107-21-1					10,000	No		
Vinyl Acetate	108-05-4					10,000	No		
Methyl Isobutyl Ketone	108-10-1	798.340	44.710		843.1	10,000	No	475.634	367.42
M-Xylene	108-38-3		54.610		54.6	10,000	No		54.61
Toluene	108-88-3	10025.790	1133.310	5.314	11,164.4	10,000	Yes	8,339.31	2,825.11
Cyclohexane	110-82-7					10,000	No		
Ethylene Glycol Monobutyl Ether	111-76-2					10,000	No		
Diethylene Glycol Monomethyl Ether	111-77-3					10,000	No		
Hydroquinone	123-31-9					10,000	No		
1,4 - Dioxane	123-91-1					10,000	No		
Butylated Hydroxy Toluene	128-37-0					10,000	No		
N-Methylpyrrolidone	872-50-4					10,000	No		
Xylene	1330-20-7	5040.210		0.144	5,040.4	10,000	No	2898.613	2,141.74
Aluminium Oxide	1344-28-1					10,000	No		
Nitric Acid Sodium Salt	7631-99-4					10,000	No		
Phosphoric Acid	7664-38-2					10,000	No		
Ammonia	7664-41-7					10,000	No		
Sulfuric Acid	7664-93-9					10,000	No		
Chlorine	7782-50-5			4.563	4.6	10,000	No		4.56



**Part 1B: Other Substances**

Amount of wood Burned:	721,984.91	kg/yr
For dry wood:	8,000	btu/lb
	17,636.68	btu/kg
Total Btu:	12,733.42	MMBtu/yr

Organic Compound	Emission Factor (lb/MMBtu)	Emission Rate (kg)	Threshold (kg)	Report?
Arsenic	2.20E-05	0.1	50	No
Cadmium	4.10E-06	0.0	5	No
Hexavalent Chromium	3.50E-06	0.0	50	No
Lead	4.80E-05	0.3	50	No
Mercury	3.50E-06	0.0	5	No
Selenium	2.80E-06	0.0	100	No
Tetraethyl lead	n/a	-	50	No

**Product Usage**

Contaminant	CAS	MPO (Axalta) (kg)	MPO (RPM) (kg)	Total MPO (kg)	Threshold (kg)	Report (Y/N)
Nonylphenol, Branched, Ethoxylated	68412-54-4	0.00	0.000	0.000	1000	No

**Part 2: Polycyclic Aromatic Hydrocarbons**

Amount of wood burned:	721,984.91	kg/yr
For dry wood:	8,000	btu/lb
	17,636.68	btu/kg
Total Btu:	12,733.42	MMBtu/yr

CAS	Organic Compound	Emission Factor (lb/MMBtu)	Emission Rate (kg)	Threshold (kg)	Report?
129-00-0	Pyrene	3.70E-06	2.14E-02	5	No
85-01-8	Phenathrene	7.00E-06	4.04E-02	5	No
198-55-0	Perylene	5.20E-10	3.00E-06	5	No
50-32-8	Benzo(a)pyrene	2.60E-06	1.50E-02	5	No
53-70-3	Dibenzo(a,h)anthracene	9.10E-09	5.26E-05	5	No
56-55-3	Benzo(a)anthracene	6.50E-08	3.75E-04	5	No
83-32-9	Acenaphthene	9.10E-07	5.26E-03	5	No
86-73-7	Fluorene	3.40E-06	1.96E-02	5	No
191-24-2	Benzo(g,h,i)perylene	9.30E-08	5.37E-04	5	No
192-97-2	Benzo(e)pyrene	2.60E-09	1.50E-05	5	No
193-39-5	Indeno(1,2,3-c,d)pyrene	8.70E-08	5.03E-04	5	No
205-99-2	Benzo(b)fluoranthene	1.00E-07	5.78E-04	5	No
206-44-0	Fluoranthene	1.60E-06	9.24E-03	5	No
207-08-9	Benzo(k)fluoranthene	3.60E-08	2.08E-04	5	No
208-96-8	Acenaphthylene	5.00E-06	2.89E-02	5	No
	<b>PAHs Total</b>		<b>1.42E-01</b>	<b>50</b>	<b>No</b>

### Part 3: Hexachlorobenzene and Dioxins / Furans

Nothing to Report

**Part 4: Criteria Air Contaminants**

<b>Wood Boiler:</b>			
Amount of wood burned:	721,985	kg/yr	
For dry wood:	8,000	btu/lb	
	17,636.68	btu/kg	
Total Btu:	12,733.42	MMBtu/yr	

CAS	Substance	Emission Factor (lb/MMBtu)	Emissions from Wood (kg)
630-08-0	Carbon Monoxide	0.6	3,466
11104-93-1	Nitrogen Oxides	0.49	2,830
--	PM-2.5	0.31	1,791
--	PM-10	0.36	2,079
7446-09-5	Sulphur Dioxide	0.025	144
--	Total PM-100	0.4	2,310
--	VOCs	0.017	98
	Carbon Dioxide	195	1,126,296

<b>From Stains and Lacquers:</b>				
CAS	Substance	MPO from Paints (kg)	Recycled (kg)	Emissions from Paints (kg)
--	PM-2.5	0.00	0.00	0.00
--	PM-10	0.00	0.00	0.00
--	Total PM-100	2,898	4,565	-8
--	VOCs	62,219	36,633	25,586

<b>Non-VOCs Used (kg)</b>	2,898
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\*based on non-VOCs with 50% overspray and 99% capture

<b>Natural Gas Usage:</b>			
Natural Gas Used:	443,245.00	m <sup>3</sup>	

CAS	Substance	Emission Factor (lb/10 <sup>6</sup> scf)	Emission Factor (kg/10 <sup>6</sup> m <sup>3</sup> )	Emissions from Nat Gas (kg)
630-08-0	Carbon Monoxide	84	1344	595.72
10102-43-9	Nitrogen Oxides	100	1600	709.19
--	PM-2.5	1.9	30	13.47
--	PM-10	1.9	30	13.47
7446-09-5	Sulphur Dioxide	0.6	10	4.26
--	Total PM-100	1.9	30	13.47
--	VOCs	5.5	88	39.01

Substance	HHV <sup>1</sup>	EF <sup>2</sup>	(tonnes/yr)	Limit 10,000
Carbon Dioxide	0.03832	49.03	832.7818	

<b>Total:</b>				
CAS	Substance	Total Emissions (tonnes)	Threshold (tonnes)	Report?
630-08-0	Carbon Monoxide	4.061	20	No
10102-43-9	Nitrogen Oxides	3.539	20	No
--	PM-2.5	1.804	0.3	Yes
--	PM-10	2.093	0.5	Yes
7446-09-5	Sulphur Dioxide	0.149	20	No
--	Total PM-100	2.315	20	No
--	VOCs	25.723	10	Yes
	CO2	1959.078	10000	No

**Part 5: Speciated Volatile Organic Compounds**

Report for speciated VOCs if Part 4 VOC Quantity is > 10 tonne threshold.

Part 4 VOC Quantity = 25.7

CAS	VOC	MPO (Axalta) (kg)	% of Axalta Use	Amt Recycled (kg)	MPO (RPM) (kg)	% of RPM Use	Amt Recycled (kg)	MPO (Comet) (kg)	Wood (kg)	Recycled VOC from Paints (kg)	Recycled VOC from Cleaners (kg)	Total Recycled VOC (kg)	Total Speciated VOCs Emitted (kg)	Threshold (kg)	Report?
50-00-0	Formaldehyde	29.950	0.001	16.897	2.91	0.0002	1.642		25.41	18.54		18.54	39.73	1000	No
57-55-6	Propylene Glycol				13.46	0.00112	7.594			7.59		7.59	5.87	n/a	No
64-17-5	Ethyl Alcohol	7275.620	0.139	4104.779	1709.68	0.14	964.572			5,069.35		5,069.35	3,915.95	1000	Yes
64-19-7	Acetic Acid													n/a	No
67-56-1	Methyl Alcohol	1522.420	0.029	858.923	0.06	0.00	0.034			858.96	468.31	1,327.27	195.21	1000	No
67-63-0	Isopropyl Alcohol	1375.950	0.026	776.287	542.84	0.05	306.261			1,082.55		1,082.55	836.24	1000	No
71-36-3	N-Butanol				252.92	0.021	142.693			142.69		142.69	110.23	n/a	No
71-43-2	Benzene				0.24	0.00002	0.135		24.26	0.14		0.135	24.36	1000	No
78-83-1	Isobutanol	2430.090	0.046	1371.015	0.11	0.00001	0.062			1,371.08		1,371.08	1,059.12	n/a	No
78-93-3	Methyl Ethyl Ketone	1736.320	0.033	979.602	152.69	0.01	86.145			1,065.75	489.60	1,555.35	333.66	1000	No
91-20-3	Naphthalene	21.750	0.0004	12.271						12.27		12.27	9.48	n/a	No
95-63-6	1,2,4-Trimethylbenzene	155.290	0.003	87.612	7.20	0.000598	4.0621			91.67		91.67	70.82	1000	No
96-29-7	2-Butanone Oxime				4.54	0.0004	2.561			2.56		2.56	1.98	n/a	No
97-64-3	Ethyl Lactate													n/a	No
97-85-8	Isobutyl Isobutyrate	353.120	0.007	199.224						199.22		199.22	153.90	n/a	No
97-99-4	Tetrahydrofurfuryl Alcohol													n/a	No
98-82-8	Cumene	12.770	0.0002	7.205						7.20		7.20	5.57	n/a	No
100-41-4	Ethyl Benzene	1058.510	0.020	597.193	7.90	0.001	4.460			601.65		601.65	464.76	n/a	No
107-21-1	Ethylene Glycol													n/a	No
107-98-2	Propylene Glycol Methyl Ether	47.000	0.001	26.517	94.38	0.01	53.248			79.76		79.76	61.62	n/a	No
108-05-4	Vinyl Acetate													1000	No
108-10-1	Methyl Isobutyl Ketone	798.340	0.015	450.410	44.71	0.00	25.225			475.63		475.63	367.42	1000	No
108-65-6	Propylene Glycol M.E. Acetate	259.530	0.005	146.422	316.68	0.03	178.665			325.09		325.09	251.12	1000	No
108-83-8	2,6-Dimethylheptane-4-One													n/a	No
108-82-7	2,6-DIMETHYL-4-HEPTANOL													n/a	No
108-88-3	Toluene	10025.790	0.191	5656.377	1133.31	0.094	639.394		5.31	6,295.77	2,043.54	8,339.31	2,825.11	1000	Yes
110-19-0	Isobutyl Acetate				901.95	0.07	508.865			508.86		508.86	393.09	n/a	No
111-65-9	Octane													1000	No
111-76-2	Ethylene Glycol Butyl Ether													1000	No
111-77-3	Diethylene G. Monomethyl Ether													n/a	No
111-84-2	Nonane													1000	No
112-34-5	Diethylene G. Monobutyl Ether													1000	No
123-86-4	N-Butyl Acetate	7743.640	0.148	4368.828	1882.11	0.16	1061.854			5,430.68	340.59	5,771.27	3,854.48	1000	Yes
141-78-6	Ethyl Acetate	1290.860	0.025	728.281						728.28	489.60	1,217.88	72.98	1000	No
142-82-5	Heptane													1000	No
763-69-9	Ethyl-3-Ethoxy Propionate	985.940	0.019	556.250						556.25		556.25	429.69	n/a	No
1309-48-4	Magnesia													n/a	No
95-47-6	o-xylene				24.02	0.002	13.552			13.55		13.55	10.47	n/a	No
106-42-3	p-xylene				18.88	0.002	10.652			10.65		10.65	8.23	n/a	No
108-38-3	m-xylene				54.61	0.005	30.810			30.81		30.81	23.80	n/a	No
1330-20-7	Total Xylene*	5040.210	0.096	2843.599	97.51	0.01	55.013		0.14	2,898.61		2,898.61	2,239.25	1000	Yes
1569-02-4	1-Ethoxy-2-Propanol	4.780	0.000	2.697	3.72	0.000	2.098			4.79		4.79	3.70	n/a	No
2517-43-3	3-Methoxy-1-Butanol													n/a	No
7397-62-8	Hydroxyacetic Acid N-butyl Ester													n/a	No
7727-43-7	Barium Sulphate													n/a	No
8008-20-6	Kerosene													n/a	No
8032-32-4	Mineral Spirits	106.060	0.002	59.837						59.84		59.84	46.22	1000	No
8052-41-3	Mineral Spirits	2754.500	0.053	1554.041				314.00		1,554.04	251.20	1,805.24	1,263.26	1000	Yes
872-50-4	N-Methylpyrrolidone													n/a	No
19089-47-5	2-Ethoxy-1-Propanol													n/a	No
19549-80-5	4,6-Dimethylheptane-2-one													n/a	No
25551-13-7	Trimethyl Benzene													1000	No
34590-94-8	dipropylene glycol monomethyl ether													n/a	No
64741-65-7	Naphtha Petr.Heavy Alkylate													1000	No
64742-47-8	Hydrotreated Kerosene	29.810	0.001	16.818	540.89	0.04	305.161	314.00		321.98	251.20	573.18	311.52	1000	No
64742-48-9	Petroleum Distillate	1656.660	0.032	934.659						934.66		934.66	722.00	1000	No
64742-49-0	Naphtha Petr.Hydrotreated,Ligh				303.14	0.03	171.026			171.03		171.03	132.11	n/a	No
64742-82-1	Naphtha (Petroleum), Hydrodesulphurized Heavy													n/a	No
64742-88-7	Aliphatic Petroleum Distillate	84.060	0.002	47.425	1033.53	0.09	583.100			630.52		630.52	487.07	1000	No
64742-89-8	Aliphatic Naphtha	60.560	0.001	34.167						34.17	425.74	459.90	-399.34	1000	No
64742-94-5	Aromatic Petroleum Solvent	276.890	0.005	156.217						156.22		156.22	120.67	1000	No
64742-95-6	Aromatic Naphtha	195.160	0.004	110.106	19.32	0.00	10.900			121.01		121.01	93.47	1000	No
70657-70-4	2-Methoxy-1-Acetoxy Propane													n/a	No
<b>Total (kg)</b>		<b>47,332</b>	<b>0.902</b>	<b>26,703.658</b>	<b>9,066</b>	<b>0.754</b>	<b>5,114.769</b>	<b>628</b>	<b>55.13</b>	<b>31,818.43</b>	<b>4,759.77</b>	<b>36,633.21</b>	<b>20,544.81</b>		
<b>Non-VOCs (Solids)</b>				<b>2,892.424</b>			<b>1,672.880</b>						<b>4,565.30</b>		

\* Includes o-xylene, p-xylene & m-xylene

31,873.44

## Recycling

		2020	2019	2018	2017	2016	2015	2014
Waste Sent Offsite as 212H:	45715 L	31365	36695	31160	15785	29315	17630	10660
Assume Specific Gravity of:	0.9							
Waste Sent Offsite as 212H:	41143.5 kg							
Amount of Thinners recycled from cleaning:	4759.8 kg							
Amount of Product recycled from remainder:	36383.7 kg							

Per facility staff, 80-90% (assumed to be 85%) of the amounts recycled are from the cleaning operations. The remainder is from a mixture of the glazes, lacquers, etc. that are in use.

Thinners used for cleaning (and in production) which are recycled are:	% used for mixing	% used for cleaning
390-7001 E-Z Thinner from Valspar	30%	70%
FM0008 Mineral Spirits from Comet Chemical	20%	80%

Recycled product sent to:  
Maratek

### 390-7001

E-Z THINNER	Chemical Name	CAS Number	MPO (kg)	% Sent for recycling	Recycled (kg)	Emitted (kg)	NPRI Part
	BUTYL ACETATE	123-86-4	486.55	70%	340.6	145.97	5, VOC
	ETHYL ACETATE	141-78-6	699.43	70%	489.6	209.83	5, VOC
	124 tmb	95-63-6	0.00	70%	0.0	0.00	1A, 5, VOC
	METHYL ALCOHOL	67-56-1	669.02	70%	468.3	200.70	1A, 5, VOC
	METHYL ETHYL KETONE	78-93-3	699.43	70%	489.6	209.83	1A, 5, VOC
	NAPHTHA	64742-89-8	608.19	70%	425.7	182.46	5, VOC
	TOLUENE	108-88-3	2,919.34	70%	2043.5	875.80	1A, 5, VOC
	<b>Item Total</b>		6,081.96	70%	4257.3692	1824.5868	

### COMET

Mineral Spirits	Chemical Name	CAS Number	MPO (kg)	% Sent for recycling	Recycled (kg)	Emitted (kg)	NPRI Part
	Petroleum Distillate	64742-47-8	314.00	80%	251.2	62.80	5, VOC
	Stoddard Solvent	8052-41-3	314.00	80%	251.2	62.80	5, VOC
	<b>Item Total</b>		628.00	80%	502.4	125.6	

Total VOCs Recycled: 4759.7692

**Axalta NPRI Summary Report for Canadian Customers**

<b>Customer Name:</b>	DURHAM FURNITURE INC	<b>Customer Number:</b>	
<b>Transaction Date From:</b>	January 1, 2021	<b>Transaction Date To:</b>	December 31, 2021



Chemical Name	CAS Number	NPRI Kilos	Ont Reg 127 Only Kilos	VOC Kilos	Non VOC	Part
1,2,4-TRIMETHYLBENZENE	95-63-6	155.29	0	155.29	0	Part 1A & Part 5
ETHYLBENZENE	100-41-4	1058.51	0	1058.51	0	Part 1A
2-ETHYL HEXYL ALCOHOL	104-76-7	0	0	0	0	--
ETHYLENE GLYCOL	107-21-1	0	0	0	0	Part 1A
PROPYLENE GLYCOL MONO METHYL ETHER	107-98-2	47	0	47	0	--
VINYL ACETATE	108-05-4	0	0	0	0	Part 1A & Part 5
METHYL ISOBUTYL KETONE	108-10-1	798.34	0	798.34	0	Part 1A & Part 5
PROPYLENEGLYCOL MONOMETHYL ETHER	108-65-6	259.53	0	259.53	0	Part 5
TOLUENE	108-88-3	10025.79	0	10025.79	0	Part 1A & Part 5
ETHYLENE GLYCOL MONOBUTYL ETHER	111-76-2	0	0	0	0	Part 1A & Part 5
DIETHYLENE GLYCOL MONOMETHYL ETHER	111-77-3	0	0	0	0	Part 1A
DIETHYLENE GLYCOL BUTYL ETHER	112-34-5	0	0	0	0	Part 5
HYDROQUINONE	123-31-9	0	0	0	0	Part 1A
BUTYL ACETATE	123-86-4	7743.64	0	7743.64	0	Part 5
1,4-DIOXANE	123-91-1	0	0	0	0	Part 1A
BURNT UMBER PIGMENT	12713-03-0	0	0	0	0	--
BUTYLATED HYDROXY TOLUENE	128-37-0	0	0	0	0	Part 1A
IRON OXIDE	1309-37-1	0	0	0	0	--
MANGANESE OXIDE	1313-13-9	0	0	0	0	Part 1A
MANGANESE OXIDE	1317-34-6	0	0	0	0	Part 1A
XYLENE	1330-20-7	5040.21	0	5040.21	0	Part 1A & Part 5
COBALT OCTOATE	136-52-7	0	0	0	0	Part 1A
ETHYL ACETATE	141-78-6	1290.86	0	1290.86	0	Part 5
HEPTANE	142-82-5	0	0	0	0	Part 5
C.I. PIGMENT BLUE 15	147-14-8	0	0	0	0	--
ETHOXYPROPANOL	1569-02-4	4.78	0	4.78	0	--
DIPROPYLENE GLYCOL	25265-71-8	0	0	0	0	--
ISOBUTYRIC ACID MONO ESTER	25265-77-4	0	0	0	0	--
NEODECANOIC ACID, MANGANESE SALT	27253-32-3	0	0	0	0	Part 1A
DIPROPYLENE GLYCOL METHYL ETHER	34590-94-8	0	0	0	0	--
BIOCIDE DISPERSION	35691-65-7	0	0	0	0	--
FORMALDEHYDE	50-00-0	29.95	0	29.95	0	Part 1A & Part 5
4,4-DIMETHYL-1-OXA-3-AZACYCLOPENTANE	51200-87-4	0	0	0	0	--
BLACK PIGMENT	5610-64-0	0	0	0	0	--
PROPYLENE GLYCOL	57-55-6	0	0	0	0	--
ETHANOL	64-17-5	7275.62	0	7275.62	0	Part 5
ACETIC ACID	64-19-7	0	0	0	0	--
MINERAL SPIRITS	64742-47-8	29.81	0	29.81	0	Part 5
NAPHTHA	64742-48-9	1656.66	0	1656.66	0	Part 5
NAPHTHA (PETROLEUM), HYDRODESULFURIZED	64742-82-1	0	0	0	0	--
NAPHTHA	64742-88-7	84.06	0	84.06	0	Part 5
NAPHTHA	64742-89-8	60.56	0	60.56	0	Part 5
AROMATIC NAPHTHA, HEAVY	64742-94-5	276.89	0	276.89	0	Part 5
AROMATIC NAPHTHA, LIGHT	64742-95-6	195.16	0	195.16	0	Part 5
CLAY	66402-68-4	0	0	0	0	--
METHYL ALCOHOL	67-56-1	1522.42	0	1522.42	0	Part 1A & Part 5
ISOPROPYL ALCOHOL	67-63-0	1375.95	0	1375.95	0	Part 1A & Part 5
ACETONE - EXEMPT SOLVENT	67-64-1	5126.75	5126.75	5126.75	0	2B
NONYLPHENOL, BRANCHED, ETHOXYLATED	68412-54-4	0	0	0	0	Part 1B
2-METHOXY-1-ACETOXY PROPANE	70657-70-4	0	0	0	0	--
C.I. ACID YELLOW 220	70851-34-2	0	0	0	0	--
N-BUTYL ALCOHOL	71-36-3	0	0	0	0	Part 1A
BENZENE	71-43-2	0	0	0	0	Part 1A & Part 5
ETHYL 3-ETHOXYPROPIONATE	763-69-9	985.94	0	985.94	0	--
PHOSPHORIC ACID	7664-38-2	0	0	0	0	Part 1A
AMMONIA	7664-41-7	0	0	0	0	Part 1A
ISOBUTYL ALCOHOL	78-83-1	2430.09	0	2430.09	0	Part 1A
METHYL ETHYL KETONE	78-93-3	1736.32	0	1736.32	0	Part 1A & Part 5
KEROSENE	8008-20-6	0	0	0	0	--
MINERAL SPIRITS	8032-32-4	106.06	0	106.06	0	Part 5
STODDARD SOLVENT	8052-41-3	2754.5	0	2754.5	0	Part 5
N-METHYLPYRROLIDONE	872-50-4	0	0	0	0	Part 1A
NAPHTHALENE	91-20-3	21.75	0	21.75	0	Part 1A
2-BUTANONE OXIME	96-29-7	0	0	0	0	--
ISOBUTYL ISOBUTYRATE	97-85-8	353.12	0	353.12	0	--
CUMENE	98-82-8	12.77	0	12.77	0	Part 1A
FRAGRANCE	UNKNOWN	0	0	0	0	--
<b>TOTAL</b>		<b>52,458.33</b>	<b>5,126.75</b>	<b>52,458.33</b>	<b>0.00</b>	

# RPM Wood Finishes Group

## Customer Specific Chemical Summary Report 2021 data

Customer: Durham Furniture

### Reportable Chemicals Summary:

CAS #	Chemical Name		<u>Lbs Emission</u>	<u>kg Emission</u>	Canada_N PRI	Canada_ ON_127	Canada_O N_Voc	Voc (kg)	Non Voc (kg)	Non Voc (kg)
50-00-0	formaldehyde		1.91	2.91	0.00	0.00	2.91	2.91	0.00	0.00
57-55-6	propylene glycol		23.20	13.46	0.00	0.00	13.46	13.46	0.00	0.00
64-17-5	ethanol	Part 5	1,933.64	1,709.68	0.00	0.00	1,709.68	1,709.68	0.00	0.00
67-56-1	methanol		0.04	0.06	0.00	0.00	0.06	0.06	0.00	0.00
67-63-0	isopropanol	Part 1A Part 5	448.45	542.84	542.84	542.84	542.84	542.84	0.00	0.00
67-64-1	acetone	Table 2B	0.00	2,890.96	0.00	2,890.96	0.00	0.00	2,890.96	2,890.96
71-36-3	butanol	Part 1A	216.51	252.92	252.92	252.92	252.92	252.92	0.00	0.00
71-43-2	benzene	Part 1A Part 5	0.05	0.24	0.24	0.24	0.24	0.24	0.00	0.00
78-93-3	mek	Part 5	211.47	152.69		152.69	152.69	152.69	0.00	0.00
78-83-1	isobutanol	Part 1A	0.13	0.11	0.11	0.11	0.11	0.11	0.00	0.00
95-47-6	o-xylene	Part 1A Part 5	21.31	24.02	24.02	0.00	24.02	24.02	0.00	0.00
95-63-6	tmb		9.02	7.20	7.20		7.20	7.20	0.00	0.00
96-29-7	methyl ethyl ketoxime		7.31	4.54	4.54	0.00	4.54	4.54	0.00	0.00
97-64-3	Ethyl Lactate		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100-41-4	ethylbenzene	Part 1A	17.39	7.90	7.90	7.90	7.90	7.90	0.00	0.00
106-42-3	p-xylene	Part 1A Part 5	17.25	18.88	18.88	0.00	18.88	18.88	0.00	0.00
107-98-2	propylene glycol monomethyl ether		172.08	94.38	0.00	94.38	94.38	94.38	0.00	0.00
108-10-1	mibk		32.85	44.71			44.71	44.71	0.00	0.00
108-38-3	m-xylene	Part 1A Part 5	48.00	54.61	54.61	0.00	54.61	54.61	0.00	0.00
108-65-6	pm acetate	Part 5	387.06	316.68	0.00	316.68	316.68	316.68	0.00	0.00
108-88-3	toluene	Part 1A Part 5	349.47	1,133.31	1,133.31	1,133.31	1,133.31	1,133.31	0.00	0.00
110-19-0	isobutyl acetate		696.30	901.95	0.00	0.00	901.95	901.95	0.00	0.00
110-43-0	mak		68.05	23.85			23.85	23.85	0.00	0.00
110-82-7	cyclohexane	Part 1A	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
111-65-9	Octane	Part 5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
111-84-2	nonane	Part 5	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00
123-19-3	dipropylketone		35.20	12.34			12.34	12.34	0.00	0.00
123-86-4	n-butyl acetate	Part 5	935.02	1,882.11	0.00	0.00	1,882.11	1,882.11	0.00	0.00
141--78-6	ethyl acetate		45.81	33.83			33.83	33.83	0.00	0.00
142-82-5	heptane	Part 5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
546-93-0	magnesium carbonate		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
577-11-7	bis(2-ethylhexyl) sodium sulfosuccinate		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1309-37-1	iron oxide		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1317-60-8	ferric oxide		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1332-58-7	aluminum silicate		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1333-86-4	carbon black		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1569-02-4	ethoxypropanol		8.18	3.72	0.00	3.72	3.72	3.72	0.00	0.00
7440-47-3	trivalent chromium	Part 1A	0.86	0.39	0.39	0.39	0.00	0.00	0.39	0.39
7732-18-5	water		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8030-76-0	soy lecithin		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9007-13-0	calcium resinate		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14807-96-6	magnesium silicate hydrate		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14808-60-7	crystalline silica		14.69	6.68	0.00	0.00	0.00	0.00	6.68	6.68
34590-94-8	dipropylene glycol monomethyl ether		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
52125-53-8	propylene glycol monoethyl ether		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
56819-40-0	metal complex dye	--	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
64742-47-8	aliphatic petroleum distillates	Part 5	857.78	540.89	540.89	540.89	540.89	540.89	0.00	0.00



CAS #	Chemical Name		<u>Lbs Emission</u>	<u>kg Emission</u>	Canada_N PRI	Canada_ ON_127	Canada_O N_Voc	Voc (kg)	Non Voc (kg)	Non Voc (kg)	
64742-49-0	petroleum distillate	--	264.34	303.14	303.14	0.00	303.14	303.14	0.00	0.00	
64742-95-6	aromatic hydrocarbons	Part 5	20.25	19.32	19.32	19.32	19.32	19.32	0.00	0.00	
64742-88-7	aliphatic	Part 5	1,704.41	1,033.53	1,033.53	1,033.53	1,033.53	1,033.53	0.00	0.00	
68911-87-5	organoclay		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
70657-70-4	2-methoxy-1-propanol acetate		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
070851-34-2	cobalt compound	Part 1A	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
071486-79-8	calcium sulfonate		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
071839-77-5	solvent red 130		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
112945-52-5	fumed silica		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
251298-11-0	cetyl-oleyl polyoxyethylene sodium phosphate		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
proprietary	alkyd resin solids		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
proprietary	alkylamide and ester salts		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
proprietary	antisetling agent solids		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
proprietary	black dye		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
proprietary	brown pigment		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
proprietary	chromium complex	Part 1A	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
proprietary	chromium compound	Part 1A	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
proprietary	defoamer solids		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
proprietary	organic-chrome complex	Part 1A	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
proprietary	red dye		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
proprietary	thixotrope solids		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
			12,033.85								
<b>Grand Totals(Lbs):</b>			<b>8,546.20</b>	<b>12,030.94</b>	<b>3,943.85</b>	<b>0.00</b>	<b>6,989.88</b>	<b>9,132.91</b>	<b>9,132.91</b>	<b>2,898.03</b>	<b>2,898.03</b>
2018 Grand Totals(Lbs):			15181.32	6900.6	1555.027	0	2951.13	5261.468	5261.468182	1213.54091	1213.54091

## 2021 Purchases from Comet

Description	Quantity (kg)	Chemical Name	CAS Number	% breakdown	MPO (kg)
FM0008 Mineral Spirits COMSOL 3139	628	Petroleum Distillate	64742-47-8	50%	314
		Stoddard Solvent	8052-41-3	50%	314
		<b>Total</b>			<b>628</b>
Methyl Ethyl Alcohol	0	Ethyl Alcohol	64-17-5	50%	0
		Methyl Alcohol	67-56-1	50%	0
		<b>Total</b>			<b>0</b>

2019	2018	2017	2016	2015	2014
644	644	644	628	924	628

**ECA Annual Written Summary Report**

**From:** [Jim Anderson](#)  
**To:** ["CofAeSubmission@ontario.ca"](mailto:CofAeSubmission@ontario.ca)  
**Cc:** [Jacqui Davidson](#)  
**Subject:** 7758-A8LKAX Durham Furniture 2021 WS submission  
**Date:** May 19, 2022 3:59:00 PM  
**Attachments:** [Durham WS Form May 2022.pdf](#)  
[Durham signed ECA 2021 cover letter log.pdf](#)

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Written Summary Submission

Company: Durham Furniture Inc.  
Certificate of Approval Number: 7758-A8LKAX  
Due Date for Written Summary: 2022/08/31

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Jim Anderson, M.Eng., P.Eng.  
CCS Engineering Inc.  
(519) 504 7241

## Written Summary Form for Basic Comprehensive Certificates of Approval (Air and Noise) and Environmental Compliance Approvals (Air and Noise)

Cette publication hautement spécialisée n'est disponible qu'en anglais en vertu du règlement 671/92, qui en exempte l'application de la Loi sur les services en français. Pour obtenir de l'aide en français, veuillez communiquer avec le ministère de l'Environnement au 416-314-8001 (sans frais : 1-800-461-6290).

### General Information and Instructions

#### General

Information provided in this form and in any supporting information is collected and maintained by the Environmental Approvals Access and Service Integration Branch of the Ministry of the Environment and Climate Change under the authority of the *Environmental Protection Act*, R.S.O. 1990, c. E.19, as amended ("EPA"), and will be used to evaluate compliance with the Reporting Requirements conditions of the i) Basic Comprehensive Certificate of Approval (Air & Noise) issued under section 9 of the EPA, and ii) Environmental Compliance Approval (Air & Noise) issued under section 20.3 of Part 11.1 of the EPA; hereafter referred to collectively as the "Approval". Supporting information may be claimed as confidential; however, the collection, use and dissemination of this information are governed by the *Freedom of Information and Protection of Privacy Act*, R.S.O. 1990, c. F.31, as amended. Questions about this collection should be directed to the Customer Services and Outreach Unit Supervisor, Environmental Approvals Access and Service Integration Branch, 135 St Clair Ave. W, 1<sup>st</sup> Floor, Toronto ON M4V 1P5. Telephone outside Toronto 1-800-461-6290 or in Toronto 416-314-8001.

#### Instructions

1. Approval holders are responsible for ensuring that they submit a complete Written Summary in accordance with the conditions of their Approval. The Written Summary should be based on the Ministry Document titled "Guide to Completing the Written Summary Required by the Basic Comprehensive Certificate of Approval (Air & Noise) and the Environmental Compliance Approval (Air & Noise)" ("the Guide"). The Guide is available from the Environmental Approvals Access and Service Integration Branch toll free at 1-800-461-6290 (locally at 416-314-8001), from your local District Office of the Ministry of the Environment and Climate Change, and at [www.ontario.ca](http://www.ontario.ca).
2. The complete Written Summary should be submitted by email to [CofAeSubmission@ontario.ca](mailto:CofAeSubmission@ontario.ca). Once the form has been received, you will receive an acknowledgement email.
3. A complete Written Summary consists of this completed form and the required supporting information, as identified in Section 3, attached electronically to this form.
4. Questions regarding the completion and submission of this Written Summary Form should be directed to the Air & Noise Unit of the Environmental Assessment and Approvals Branch of the Ministry of the Environment and Climate Change at the address below:

Ministry of the Environment and Climate Change  
Director, Environmental Assessment and Approvals Branch  
135 St. Clair Avenue West, 1<sup>st</sup> floor  
Toronto ON M4V 1P5  
Phone: 416-314-8001  
Toll Free: 1-800-461-6290  
Email: [EAABGen@ene.gov.on.ca](mailto:EAABGen@ene.gov.on.ca)

**Section 1 - Approval Information** (based on the application submitted for the Approval)

Approval Number 7758-A8LKAX	Approval Reference Number 3482-9HRQYK	Operating Year (yyyy) 2021	Due Date for Written Summary (yyyy/mm/dd) (as stated in the conditions of your Approval) 2022/08/31
Company Name (Name that is currently listed on the Comprehensive CofA) Durham Furniture Inc.			Business Identification Number

**Facility Address****Civic Address**

Unit Number	Street Number 450	Street Name Lambton Street West	PO Box
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**Survey Address** (used for a rural location specified for a subdivided township, an unsubdivided township or unsurveyed territory. Not required if Civic Address is provided.)

**Lot and Concession:** used to indicate location within a subdivided township and consists of a lot number and a concession number.

**Part and Reference:** used to indicate location within an un-subdivided township or unsurveyed territory, and consists of a part and a reference plan number indicating the location within that plan. Attach copy of the plan.

Lot	Concession	Part	Reference Plan
Municipality/Unorganized Township West Grey	County/District	Province/State Ontario	Country Canada
			Postal Code N0G 1R0

**Section 2 - Written Summary Questionnaire**

1. Were any Modifications made to the Facility during the last calendar year (i.e., Jan. 1<sup>st</sup> to Dec. 31<sup>st</sup>)?

Yes  No

a. How many Modifications were made to your Facility during the last calendar year?

0

b. Were the Modifications documented in a Log prepared in accordance with the conditions of the Approval?

Yes  No

c. Were the Modifications to the facility made in compliance with the Approval conditions, including those relating to Performance Limits, Limited Operational Flexibility and Operating Envelope?

Yes  No

d. Did the Modifications result in: the addition of a new Compound of Concern (COC); the alteration of the emission rate of an existing COC; and/or the alteration of the Point of Impingement (POI) concentration of an existing COC?

Yes  No

e. Did any of the COCs that were added and/or altered (as identified in Question 1d) have corresponding Ministry POI Limits?

Yes  No

f. Were the new POI concentrations of the COCs that were added and/or altered (as identified in Question 1d) and had corresponding Ministry POI Limits (as identified in Question 1e) below their corresponding Ministry POI Limits?

Yes  No

g. Did any of the COCs that were added and/or altered (as identified in Question 1d) NOT have corresponding Ministry POI Limits?

Yes  No

h. Were Maximum Concentration Level Assessment Request(s) submitted to the Ministry for ALL of the COCs that were added and/or altered AND do not have corresponding Ministry POI Limits (as identified in Question 1g)?

Yes  No

i. Did you prepare an updated Emission Summary Table documenting all of the new COCs (both with and without Ministry POI limits), in accordance with the conditions of the Approval and Ontario Regulation 419/05 (made under the EPA) (O. Reg. 419/05)?

Yes  No

j. Were the appropriate Ministry POI Limits or screening levels used (i.e. JSL, standards, guidelines, maximum ground level concentration) on the Emission Summary Table?

Yes  No

k. Did you prepare a tabulated summary of the changes in the emission rate of any COC and the resultant increase or decrease in the POI concentration reported in the Emission Summary and Dispersion Modelling Report over the last calendar year in accordance with the conditions of the Approval?

Yes  No

2. Do the conditions of the Approval require you to submit and/or maintain an Acoustic Assessment Summary Table?

Yes  No

a. Was an Acoustic Assessment Summary Table prepared in accordance with the conditions of the Approval and does it clearly demonstrate compliance with the applicable noise criteria?

Yes  No

3. The EPA was amended and the sections under which Approvals were issued changed as of October 31<sup>st</sup>, 2011, Please select the correct box below:

Comprehensive Certificate of Approval (Air & Noise) - issued under s.9 EPA  Environmental Compliance Approval (Air & Noise) - issued under s.20.3 of Part II.1 EPA

As per the Reporting Requirements condition of the Environmental Compliance Approval (Air & Noise), I have prepared and submitted the following required information as an attachment to this questionnaire:

a. A signed statement that the facility operated within the Performance Limits of the Environmental Compliance Approval (Air & Noise).

Yes  No

b. A summary of each Modification that took place in the last calendar year.

Yes  No

4. The above mentioned supporting information has been attached as a single PDF file (file name):

**File Name**

Durham signed ECA 2021 cover letter log.pdf

I hereby declare that, to the best of my knowledge, all of the information provided in this form is complete and accurate in every way and I am aware of the penalties against providing false information as per s.184(2) of the *Environmental Protection Act*.

Third Party consultant working on behalf of the company to which the Approval is issued.  Authorized representative of the company to which the Approval is issued.

Name of Person Submitting the Written Summary  
Jim Anderson M.Eng., P.Eng.

Title  
Engineer

Date (yyyy/mm/dd) 2022/05/19	Telephone Number 519-504-7241 ext.	Email Address jim@ccseng.ca
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# Durham Furniture

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May 19, 2022

Section 9 Director  
Ministry of the Environment and Climate Change  
Environment Assessment and Approvals Branch  
135 St. Clair Avenue West, Floor 1  
Toronto ON M4V 1P5

Re: Written Summary for Reporting Year 2021  
Environmental Compliance Approval (Air/Noise) Number 7758-A8LKAX

This is to confirm that the Durham Furniture Inc. facility, located in Durham, Ontario operated in compliance with the Performance Limits set forth in our Environmental Compliance Approval (Air and Noise) Number 7758-A8LKAX (November 4, 2016) as noted above.

The attached Written Summary provides the information required by Condition 6 of the above noted ECA.

Sincerely,



Luke Simpson  
President & CEO

c. District Manager  
Owen Sound Area Office  
101 – 17<sup>th</sup> Street East  
Owen Sound ON N4K 0A5



## **MODIFICATION LOG**

**Durham Furniture Inc.**

**Environmental Compliance Approval (Air and Noise) Number 7758-A8LKAX (November 4, 2016)**

No modifications were made in 2021.

<b>Date Changed</b>	<b>Description of Change</b>	<b>Emission Summary Dispersion Modelling Report Changes</b>
N/A	None	None

Revision Date: December 31, 2021

## Emission Summary

Contaminant	CAS	Emission Rate	Air Model	POI Concentration	MOE ACB Limit	Schedule	Limiting Effect	Avg Period	Percentage of MOE ACB Limit
		(g/s)		( $\mu\text{g}/\text{m}^3$ )	( $\mu\text{g}/\text{m}^3$ )			hours	%
Ethyl 3 Ethoxypropionate	763-69-9	0.007867	AERMOD 19191	108	200	Guide B1	Odour	0.17	54.00%
N-Butyl Acetate	123-86-4	0.072662	AERMOD 19191	665	15000	Guide B1	Health	1	4.43%
		0.072662	AERMOD 19191	934	1000	Guide B1	Odour	0.17	93.37%
Isobutanol	78-83-1	0.032667	AERMOD 19191	78	4,600	Std B1	Health	24	1.69%
		0.032667	AERMOD 19191	466	2,340	Guide B1	Odour	0.17	19.90%
Particulates	n/a	0.150359	AERMOD 19191	32.9409	120	Std B1	Visibility	24	27.45%
Nitrogen Oxides	10102-44-0	0.235361	AERMOD 19191	50.7155	200	Std B1	Health	24	25.36%
		0.235361	AERMOD 19191	79.4389	400	Std B1	Health	1	19.86%

Updated Source Summary Table as of Jan 2021

Source Identifier	Description	Source Data				Emission Data					
		Stack Gas Flow Rate	Stack Diameter	Stack Height Above Roof	Stack Height Above Grade	Contaminant	CAS Number	Emission Rate	Data Quality	Estimation Technique	Percentage of Overall Emission
		(m <sup>3</sup> /s) (deg C)	(m)	(m)	(m)			(g/s)			
1	Booth 1 - Toner	3.82 21	0.71	5.3	12.7	Aliphatic Hydrocarbons	n/a	0.0437	Above-Average	MB	2.22%
						Aromatic Naphtha	64742-95-6	0.0089			4.53%
						Stoddard Solvent	8052-41-3	0.0022			3.46%
						Mineral Spirits	8032-32-4	0.0044			12.30%
						VM&P Naphtha	64742-89-8	0.0282			6.38%
						Isopropyl Benzene	98-82-8	0.0004			9.52%
						1,2,4-Trimethylbenzene	95-63-6	0.0044			5.98%
						Toluene	108-88-3	0.2048			6.71%
						Ethylbenzene	100-41-4	0.0030			1.06%
						Xylene	1330-20-7	0.0111			1.52%
						Ethyl Acetate	141-78-6	0.0344			5.46%
						Ethyl 3 Ethoxypropionate	763-69-9	0.0180			8.31%
						Isobutyl Acetate	110-19-0	0.0012			1.09%
						Isobutyl Isobutyrate	97-85-8	0.0044			3.55%
						N-Butyl Acetate	123-86-4	0.0430			2.15%
						Methanol	67-56-1	0.1290			8.54%
						Ethanol	64-17-5	0.3722			8.53%
						Isobutanol	78-83-1	0.0318			3.55%
						Isopropanol	67-63-0	0.0441			3.16%
						Methyl Ethyl Ketone	78-93-3	0.0597			6.18%
						Methyl Isobutyl Ketone	108-10-1	0.0285			5.67%
						Acetone	67-64-1	0.1047			10.20%
						PGMEA	108-65-6	0.0447			12.65%
						Talc	14807-96-6	0.0001			5.60%
						Titanium Dioxide	13463-67-7	0.0001			11.32%
						Propylene Glycol Mono Methyl Ether	107-98-2	0.0528			10.66%
						CI Acid Yellow 220	70851-34-2	0.0001			13.14%
						Asphalt	8052-42-4	0.0000			12.30%
						Silica (quartz)	14808-60-7	0.0000			2.92%
						Solvent Red 130	71839-77-5	0.0000			15.28%
						Octane	111-65-9	0.0012			15.28%
						Heptane	142-82-5	0.0004			15.28%
						Cyclohexane	110-82-7	0.0000			15.28%
Dipropylene glycol Methyl Ether	34590-94-8	0.0089	8.42%								
Red Acid	72017-66-4	0.0000	7.33%								
CI Acid Black 52	5610-64-0	0.0000	7.95%								
Diethylene Glycol Butyl Ether	112-34-5	0.0022	15.28%								
Ceramics (clay)	66402-68-4	0.0000	8.89%								
Metal Complex Dye	84812-63-5	0.0000	11.51%								
C.I. Pigment Red 101	1332-37-2	0.0000	3.42%								
Urea Polymer with Aldehyde	28931-47-7	0.0000	5.42%								
Para-Toluene Sulphonic Acid	6192-52-5	0.0000	0.06%								
Particulate	n/a	0.0004	0.23%								
2	Booth 1 - Toner	3.82 21	0.71	5.3	13.0	Aliphatic Hydrocarbons	n/a	0.0437	Above-Average	MB	2.22%
						Aromatic Naphtha	64742-95-6	0.0089			4.53%
						Stoddard Solvent	8052-41-3	0.0022			3.46%
						Mineral Spirits	8032-32-4	0.0044			12.30%
						VM&P Naphtha	64742-89-8	0.0282			6.38%
						Isopropyl Benzene	98-82-8	0.0004			9.52%
						1,2,4-Trimethylbenzene	95-63-6	0.0044			5.98%
						Toluene	108-88-3	0.2048			6.71%
						Ethylbenzene	100-41-4	0.0030			1.06%
						Xylene	1330-20-7	0.0111			1.52%
						Ethyl Acetate	141-78-6	0.0344			5.46%
						Ethyl 3 Ethoxypropionate	763-69-9	0.0180			8.31%
						Isobutyl Acetate	110-19-0	0.0012			1.09%
						Isobutyl Isobutyrate	97-85-8	0.0044			3.55%
						N-Butyl Acetate	123-86-4	0.0430			2.15%
						Methanol	67-56-1	0.1290			8.54%
						Ethanol	64-17-5	0.3722			8.53%
						Isobutanol	78-83-1	0.0318			3.55%
						Isopropanol	67-63-0	0.0441			3.16%
						Methyl Ethyl Ketone	78-93-3	0.0597			6.18%
						Methyl Isobutyl Ketone	108-10-1	0.0285			5.67%
						Acetone	67-64-1	0.1047			10.20%
						PGMEA	108-65-6	0.0447			12.65%
						Talc	14807-96-6	0.0001			5.60%
						Titanium Dioxide	13463-67-7	0.0001			11.32%
						Propylene Glycol Mono Methyl Ether	107-98-2	0.0528			10.66%
						CI Acid Yellow 220	70851-34-2	0.0001			13.14%
						Asphalt	8052-42-4	0.0000			12.30%
						Silica (quartz)	14808-60-7	0.0000			2.92%
						Solvent Red 130	71839-77-5	0.0000			15.28%
						Octane	111-65-9	0.0012			15.28%
						Heptane	142-82-5	0.0004			15.28%
						Cyclohexane	110-82-7	0.0000			15.28%
Dipropylene glycol Methyl Ether	34590-94-8	0.0089	8.42%								
Red Acid	72017-66-4	0.0000	7.33%								
CI Acid Black 52	5610-64-0	0.0000	7.95%								
Diethylene Glycol Butyl Ether	112-34-5	0.0022	15.28%								
Ceramics (clay)	66402-68-4	0.0000	8.89%								
Metal Complex Dye	84812-63-5	0.0000	11.51%								
C.I. Pigment Red 101	1332-37-2	0.0000	3.42%								
Urea Polymer with Aldehyde	28931-47-7	0.0000	5.42%								
Para-Toluene Sulphonic Acid	6192-52-5	0.0000	0.06%								
Particulate	n/a	0.0004	0.23%								
3	Booth 2 - Toner	3.82 21	0.71	5.3	12.7	Aliphatic Hydrocarbons	n/a	0.0874			4.44%
						Aromatic Naphtha	64742-95-6	0.0177			9.05%
						Stoddard Solvent	8052-41-3	0.0044			6.91%
						Mineral Spirits	8032-32-4	0.0089			24.60%
						VM&P Naphtha	64742-89-8	0.0563			12.75%
						Isopropyl Benzene	98-82-8	0.0009			19.03%
						1,2,4-Trimethylbenzene	95-63-6	0.0089			11.96%

Mineral Spirits	8032-32-4	0.0044
VM&P Naphtha	64742-89-8	0.0282
Isopropyl Benzene	98-82-8	0.0004
1,2,4-Trimethylbenzene	95-63-6	0.0044
Toluene	108-88-3	0.4096
Ethylbenzene	100-41-4	0.0060
Xylene	1330-20-7	0.0223
Ethyl Acetate	141-78-6	0.0689
Ethyl 3 Ethoxypropionate	763-69-9	0.0359
Isobutyl Acetate	110-19-0	0.0024
Isobutyl Isobutyrate	97-85-8	0.0088
N-Butyl Acetate	123-86-4	0.0859
Methanol	67-56-1	0.2580
Ethanol	64-17-5	0.7445
Isobutanol	78-83-1	0.0637
Isopropanol	67-63-0	0.0882
Methyl Ethyl Ketone	78-93-3	0.1194
Methyl Isobutyl Ketone	108-10-1	0.0571
Acetone	67-64-1	0.2095
PGMEA	108-65-6	0.0894
Talc	14807-96-6	0.0002
Titanium Dioxide	13463-67-7	0.0002
Propylene Glycol Mono Methyl Ether	107-98-2	0.1056
CI Acid Yellow 220	70851-34-2	0.0001
Asphalt	8052-42-4	0.0000
Silica (quartz)	14808-60-7	0.0000
Solvent Red 130	71839-77-5	0.0000
Octane	111-65-9	0.0024
Heptane	142-82-5	0.0008
Nonane	111-84-2	0.0001
Cyclohexane	110-82-7	0.0001
Dipropylene glycol Methyl Ether	34590-94-8	0.0177
Red Acid	72017-66-4	0.0000
CI Acid Black 52	5610-64-0	0.0000
Diethylene Glycol Butyl Ether	112-34-5	0.0044
Ceramics (clay)	66402-68-4	0.0001
Metal Complex Dye	84812-63-5	0.0000
C.I. Pigment Red 101	1332-37-2	0.0000
Urea Polymer with Aldehyde	28931-47-7	0.0000
Para-Toluene Sulphonic Acid	6192-52-5	0.0000
Particulate	n/a	0.0008
Aliphatic Hydrocarbons	n/a	0.2943
Aromatic Naphtha	64742-95-6	0.0078
Mineral Spirits	64742-47-8	0.2212
Petroleum Distillate	64742-49-0	0.0222
Solvent Naphtha, Heavy	64742-94-5	0.0058
Stoddard Solvent	8052-41-3	0.0109
Mineral Spirits	8032-32-4	0.0016
Solvent Naphtha	64742-88-7	0.0220
VM&P Naphtha	64742-89-8	0.0028
Isopropyl Benzene	98-82-8	0.0004
1,2,4-Trimethylbenzene	95-63-6	0.0039
Toluene	108-88-3	0.0449
Ethylbenzene	100-41-4	0.0046
Xylene	1330-20-7	0.0115
Ethyl Acetate	141-78-6	0.0042
Isobutyl Isobutyrate	97-85-8	0.0053
N-Butyl Acetate	123-86-4	0.0284
Methanol	67-56-1	0.0042
Ethanol	64-17-5	0.0113
Isobutanol	78-83-1	0.0119
Isopropanol	67-63-0	0.0069
Methyl Ethyl Ketone	78-93-3	0.0133
Methyl Isobutyl Ketone	108-10-1	0.0156
Acetone	67-64-1	0.0029
PGMEA	108-65-6	0.0082
Talc	14807-96-6	0.0002
Titanium Dioxide	13463-67-7	0.0000
Dioctyl Terephthalate	6422-86-2	0.0001
Iron Oxide	1309-37-1	0.0001
Asphalt	8052-42-4	0.0000
Silica (quartz)	14808-60-7	0.0000
Carbon Black	1333-86-4	0.0000
n-Butyl Stearate	123-95-5	0.0074
Calcium Resinate	9007-13-0	0.0000
Fumed Silica	112945-52-5	0.0000
Aluminum Silicate	1332-58-7	0.0000
Naphthalene	91-20-3	0.0010
Charcoal Pigment	8021-99-6	0.0000
Burnt Umber Pigment	12713-03-0	0.0000
Manganese Oxide	1313-13-9	0.0000
Ceramics (clay)	66402-68-4	0.0000
C.I. Pigment Red 101	1332-37-2	0.0000
Urea Polymer with Aldehyde	28931-47-7	0.0000
Kerosene	8008-20-6	0.0004
Linseed Oil	8001-26-1	0.0000
Benzene	71-43-2	0.0001
Cadmium	7440-43-9	0.0000
Para-Toluene Sulphonic Acid	6192-52-5	0.0000
Particulate	n/a	0.0007
Aliphatic Hydrocarbons	n/a	0.2943
Aromatic Naphtha	64742-95-6	0.0078
Mineral Spirits	64742-47-8	0.2212
Petroleum Distillate	64742-49-0	0.0222
Solvent Naphtha, Heavy	64742-94-5	0.0058
Stoddard Solvent	8052-41-3	0.0109
Mineral Spirits	8032-32-4	0.0016
Solvent Naphtha	64742-88-7	0.0220
VM&P Naphtha	64742-89-8	0.0028
Isopropyl Benzene	98-82-8	0.0004
1,2,4-Trimethylbenzene	95-63-6	0.0039
Toluene	108-88-3	0.0449
Ethylbenzene	100-41-4	0.0046
Xylene	1330-20-7	0.0115

Above-Average

MB

Above-Average

MB

12.30%
6.38%
9.52%
5.98%
13.42%
2.13%
3.05%
10.92%
16.62%
2.18%
7.10%
4.30%
4.30%
17.08%
17.06%
7.10%
6.31%
12.35%
11.34%
20.39%
25.29%
11.20%
22.63%
21.33%
26.28%
24.60%
5.84%
30.56%
30.56%
30.56%
44.01%
30.56%
16.85%
14.66%
15.90%
30.56%
17.79%
23.03%
6.84%
10.85%
0.12%
0.46%
14.95%
3.95%
22.04%
22.04%
22.04%
17.05%
4.30%
22.04%
0.64%
8.31%
5.22%
1.47%
1.57%
0.67%
4.30%
1.42%
0.28%
0.26%
1.33%
0.49%
1.37%
3.09%
0.28%
2.33%
9.87%
4.63%
6.45%
18.30%
4.30%
8.37%
9.82%
22.04%
22.04%
22.04%
22.04%
17.11%
14.22%
22.04%
22.04%
5.42%
22.04%
3.55%
0.46%
14.95%
3.95%
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22.04%
22.04%
4.30%
22.04%
0.64%
8.31%
5.22%
1.47%
1.63%
1.57%



		21				Mineral Spirits	8032-32-4	0.0044	Above-Average	MB	12.30%		
						VM&P Naphtha	64742-89-8	0.0282			6.38%		
						Isopropyl Benzene	98-82-8	0.0004			9.52%		
						1,2,4-Trimethylbenzene	95-63-6	0.0044			5.98%		
						Aromatic Naphtha	64742-95-6	0.0188			9.60%		
						VM&P Naphtha	64742-89-8	0.0542			12.28%		
						1,2,4-Trimethylbenzene	95-63-6	0.0077			10.45%		
						Toluene	108-88-3	0.2114			6.93%		
						Ethylbenzene	100-41-4	0.0015			0.55%		
						Xylene	1330-20-7	0.0033			0.45%		
						Ethyl Acetate	141-78-6	0.0675			10.70%		
						Isobutyl Isobutyrate	97-85-8	0.0199			16.09%		
						N-Butyl Acetate	123-86-4	0.1042			5.22%		
						Methanol	67-56-1	0.1184			7.84%		
						Ethanol	64-17-5	0.3453			7.91%		
						Isobutanol	78-83-1	0.0033			0.37%		
						Isopropanol	67-63-0	0.0465			3.33%		
						Methyl Ethyl Ketone	78-93-3	0.0631			6.52%		
						Methyl Isobutyl Ketone	108-10-1	0.0281			5.59%		
						Acetone	67-64-1	0.0349			3.39%		
						1-Ethoxy-2-Propanol	1569-02-4	0.0013			28.10%		
						PGMEA	108-65-6	0.0066			1.88%		
						Propylene Glycol Mono Methyl Ether	107-98-2	0.0421			8.49%		
						CI Acid Yellow 220	70851-34-2	0.0000			3.94%		
						Iron Oxide	1309-37-1	0.0000			4.77%		
						Carbon Black	1333-86-4	0.0000			3.36%		
						Dipropylene glycol Methyl Ether	34590-94-8	0.0133			12.61%		
						Red Acid	72017-66-4	0.0000			14.63%		
						CI Acid Black 52	5610-64-0	0.0000			13.49%		
						Ethyl Lactate	97-64-3	0.0013			28.10%		
						Propylene Glycol Monoethyl Ether	52125-53-8	0.0013			28.10%		
						Metal Complex Dye	56819-40-0	0.0000			6.93%		
						Trivalent Chromium	7440-47-3	0.0000			28.10%		
Particulate	n/a	0.0001	0.08%										
9	Booth 5 - Shader	3.82 21	0.71	5.3	15.3	Aliphatic Hydrocarbons	n/a	0.0730	Above-Average	MB	3.71%		
Aromatic Naphtha	64742-95-6	0.0188	9.60%										
VM&P Naphtha	64742-89-8	0.0542	12.28%										
1,2,4-Trimethylbenzene	95-63-6	0.0077	10.45%										
Toluene	108-88-3	0.2114	6.93%										
Ethylbenzene	100-41-4	0.0015	0.55%										
Xylene	1330-20-7	0.0033	0.45%										
Ethyl Acetate	141-78-6	0.0675	10.70%										
Isobutyl Isobutyrate	97-85-8	0.0199	16.09%										
N-Butyl Acetate	123-86-4	0.1042	5.22%										
Methanol	67-56-1	0.1184	7.84%										
Ethanol	64-17-5	0.3453	7.91%										
Isobutanol	78-83-1	0.0033	0.37%										
Isopropanol	67-63-0	0.0465	3.33%										
Methyl Ethyl Ketone	78-93-3	0.0631	6.52%										
Methyl Isobutyl Ketone	108-10-1	0.0281	5.59%										
Acetone	67-64-1	0.0349	3.39%										
1-Ethoxy-2-Propanol	1569-02-4	0.0013	28.10%										
PGMEA	108-65-6	0.0066	1.88%										
Propylene Glycol Mono Methyl Ether	107-98-2	0.0421	8.49%										
CI Acid Yellow 220	70851-34-2	0.0000	3.94%										
Iron Oxide	1309-37-1	0.0000	4.77%										
Carbon Black	1333-86-4	0.0000	3.36%										
Dipropylene glycol Methyl Ether	34590-94-8	0.0133	12.61%										
Red Acid	72017-66-4	0.0000	14.63%										
CI Acid Black 52	5610-64-0	0.0000	13.49%										
Ethyl Lactate	97-64-3	0.0013	28.10%										
Propylene Glycol Monoethyl Ether	52125-53-8	0.0013	28.10%										
Metal Complex Dye	56819-40-0	0.0000	6.93%										
Trivalent Chromium	7440-47-3	0.0000	28.10%										
Particulate	n/a	0.0001	0.08%										
10	Booth 6 - Varnish	3.82 21	0.71	5.3	15.3	Aliphatic Hydrocarbons	n/a	0.0112			Above-Average	MB	0.57%
Aromatic Naphtha	64742-95-6	0.0112	5.70%										
Toluene	108-88-3	0.0191	0.63%										
Ethylbenzene	100-41-4	0.0367	13.02%										
Xylene	1330-20-7	0.1614	22.07%										
Ethyl Acetate	141-78-6	0.0214	3.40%										
Ethyl 3 Ethoxypropionate	763-69-9	0.0308	14.23%										
N-Butyl Acetate	123-86-4	0.2392	11.98%										
Methanol	67-56-1	0.0303	2.01%										
Ethanol	64-17-5	0.0896	2.05%										
Isobutanol	78-83-1	0.1819	20.27%										
N-Butanol	71-36-3	0.0447	18.16%										
Isopropanol	67-63-0	0.0321	2.30%										
Methyl Ethyl Ketone	78-93-3	0.0428	4.43%										
Methyl Isobutyl Ketone	108-10-1	0.0214	4.26%										
Acetone	67-64-1	0.0156	1.52%										
Nitrocellulose	9004-78-0	0.0003	20.81%										
Amorphous Silica	7631-86-9	0.0001	31.21%										
Formaldehyde	50-00-0	0.0038	16.97%										
Diethyl Terephthalate	6422-86-2	0.0002	16.10%										
Para-Toluene Sulphonic Acid	6192-52-5	0.0001	26.06%										
Ethylene Glycol Monobutyl Ether	111-76-2	0.0224	31.21%										
Particulate	n/a	0.0006	0.39%										
11	Booth 6 - Varnish	3.82 21	0.71	5.3	15.3	Aliphatic Hydrocarbons	n/a	0.0112	Above-Average	MB			0.57%
Aromatic Naphtha	64742-95-6	0.0112	5.70%										
Toluene	108-88-3	0.0191	0.63%										
Ethylbenzene	100-41-4	0.0367	13.02%										
Xylene	1330-20-7	0.1614	22.07%										
Ethyl Acetate	141-78-6	0.0214	3.40%										
Ethyl 3 Ethoxypropionate	763-69-9	0.0308	14.23%										
N-Butyl Acetate	123-86-4	0.2392	11.98%										
Methanol	67-56-1	0.0303	2.01%										
Ethanol	64-17-5	0.0896	2.05%										
Isobutanol	78-83-1	0.1819	20.27%										
N-Butanol	71-36-3	0.0447	18.16%										
Isopropanol	67-63-0	0.0321	2.30%										
Methyl Ethyl Ketone	78-93-3	0.0428	4.43%										
Methyl Isobutyl Ketone	108-10-1	0.0214	4.26%										
Acetone	67-64-1	0.0156	1.52%										
Nitrocellulose	9004-78-0	0.0003	20.81%										
Amorphous Silica	7631-86-9	0.0001	31.21%										



						Mineral Spirits	8032-32-4	0.0044			12.30%
						VM&P Naphtha	64742-89-8	0.0282			6.38%
						Isopropyl Benzene	98-82-8	0.0004			9.52%
						1,2,4-Trimethylbenzene	95-63-6	0.0044			5.98%
						Propylene Glycol Mono Methyl Ether	107-98-2	0.0317			6.40%
						Cl Acid Yellow 220	70851-34-2	0.0000			7.88%
						Asphalt	8052-42-4	0.0000			7.38%
						Silica (quartz)	14808-60-7	0.0000			1.75%
						Solvent Red 130	71839-77-5	0.0000			9.17%
						Octane	111-65-9	0.0007			9.17%
						Heptane	142-82-5	0.0002			9.17%
						Nonane	111-84-2	0.0000			13.20%
						Cyclohexane	110-82-7	0.0000			9.17%
						Dipropylene glycol Methyl Ether	34590-94-8	0.0053			5.05%
						Red Acid	72017-66-4	0.0000			4.40%
						Cl Acid Black 52	5610-64-0	0.0000			4.77%
						Diethylene Glycol Butyl Ether	112-34-5	0.0013			9.17%
						Ceramics (clay)	66402-68-4	0.0000			5.34%
						Metal Complex Dye	84812-63-5	0.0000			6.91%
						C.I. Pigment Red 101	1332-37-2	0.0000			2.05%
						Urea Polymer with Aldehyde	28931-47-7	0.0000			3.25%
						Para-Toluene Sulphonic Acid	6192-52-5	0.0000			0.04%
						Particulate	n/a	0.0002			0.14%
18	Topcoat Oven 1	2.12 45	0.60	5.3	15.3	Insignificant					
19	Booth 13	4.65 21	0.61	5.3	15.3	Aliphatic Hydrocarbons	n/a	0.0564			2.86%
						Aromatic Naphtha	64742-95-6	0.0043			2.17%
						Mineral Spirits	64742-47-8	0.0339			3.38%
						Petroleum Distillate	64742-49-0	0.0034			3.38%
						Solvent Naphtha, Heavy	64742-94-5	0.0009			3.38%
						Stoddard Solvent	8052-41-3	0.0018			2.85%
						Mineral Spirits	8032-32-4	0.0005			1.51%
						Solvent Naphtha	64742-88-7	0.0034			3.38%
						VM&P Naphtha	64742-89-8	0.0082			1.85%
						Isopropyl Benzene	98-82-8	0.0001			1.93%
						1,2,4-Trimethylbenzene	95-63-6	0.0016			2.15%
						Toluene	108-88-3	0.0541			1.77%
						Ethylbenzene	100-41-4	0.0058			2.05%
						Xylene	1330-20-7	0.0154			2.11%
						Ethyl Acetate	141-78-6	0.0120			1.90%
						Ethyl 3 Ethoxypropionate	763-69-9	0.00337			1.56%
						Isobutyl Acetate	110-19-0	0.00198			1.79%
						Isobutyl Isobutyrate	97-85-8	0.00290			2.34%
						N-Butyl Acetate	123-86-4	0.04145			2.08%
						Methanol	67-56-1	0.02462			1.63%
						Ethanol	64-17-5	0.07116			1.63%
						Isobutanol	78-83-1	0.01763			1.96%
						N-Butanol	71-36-3	0.0050			2.03%
						Isopropanol	67-63-0	0.0254			1.82%
						Methyl Ethyl Ketone	78-93-3	0.0176			1.82%
						Methyl Isobutyl Ketone	108-10-1	0.0098			1.94%
						Acetone	67-64-1	0.0147			1.43%
						1-Ethoxy-2-Propanol	1569-02-4	0.0001			2.51%
						PGMEA	108-65-6	0.0049			1.40%
						Talc	14807-96-6	0.0000			2.24%
						Titanium Dioxide	13463-67-7	0.0000			1.58%
						Nitrocellulose	9004-78-0	0.0000			2.05%
						Amorphous Silica	7631-86-9	0.0000			2.18%
						Formaldehyde	50-00-0	0.0005			2.01%
						Propylene Glycol Mono Methyl Ether	107-98-2	0.0074			1.50%
						Cl Acid Yellow 220	70851-34-2	0.0000			1.26%
						Diocetyl Terephthalate	6422-86-2	0.0000			2.45%
						Iron Oxide	1309-37-1	0.0000			3.23%
						Asphalt	8052-42-4	0.0000			1.51%
						Silica (quartz)	14808-60-7	0.0000			2.28%
						Carbon Black	1333-86-4	0.0000			2.61%
						Solvent Red 130	71839-77-5	0.0000			1.06%
						Octane	111-65-9	0.0001			1.06%
						Heptane	142-82-5	0.0000			1.06%
						Nonane	111-84-2	0.0000			1.52%
						Cyclohexane	110-82-7	0.0000			1.06%
						n-Butyl Stearate	123-95-5	0.0011			3.38%
						Calcium Resinate	9007-13-0	0.0000			3.38%
						Fumed Silica	112945-52-5	0.0000			3.38%
						Aluminum Silicate	1332-58-7	0.0000			3.38%
						Limestone	1317-65-3	0.0000			1.85%
						Naphthalene	91-20-3	0.0001			3.38%
						Charcoal Pigment	8021-99-6	0.0000			3.38%
						Dipropylene glycol Methyl Ether	34590-94-8	0.0018			1.71%
						Red Acid	72017-66-4	0.0000			1.81%
						Cl Acid Black 52	5610-64-0	0.0000			1.76%
						Burnt Umber Pigment	12713-03-0	0.0000			3.06%
						Manganese Oxide	1313-13-9	0.0000			3.38%
						Diethylene Glycol Butyl Ether	112-34-5	0.0002			1.06%
						Ceramics (clay)	66402-68-4	0.0000			1.64%
						urea-formaldehyde resin	68002-19-7	0.0000			1.85%
						Metal Complex Dye	84812-63-5	0.0000			0.80%
						C.I. Pigment Red 101	1332-37-2	0.0000			2.86%
						Urea Polymer with Aldehyde	28931-47-7	0.0000			2.55%
						Kerosene	8008-20-6	0.0001			3.38%
						Linseed Oil	8001-26-1	0.0000			3.38%
						Benzene	71-43-2	0.0000			2.22%
						Cadmium	7440-43-9	0.0000			3.38%
						Cellulose Nitrate, Cellulose Ester	9004-70-0	0.0000			1.85%
						o-xylene	95-47-6	0.0019			1.85%
						p-xylene	106-42-3	0.0019			1.85%
						Ethyl Lactate	97-64-3	0.0001			2.51%
						Propylene Glycol Monoethyl Ether	52125-53-8	0.0001			2.51%
						Metal Complex Dye	56819-40-0	0.0000			0.62%
						Trivalent Chromium	7440-47-3	0.0000			2.51%
						Para-Toluene Sulphonic Acid	6192-52-5	0.0000			2.35%
						Ethylene Glycol Monobutyl Ether	111-76-2	0.0015			2.16%
						Particulate	n/a	0.0003			0.17%
21	Topcoat Oven 2	0.8 45	0.46	5.3	15.3	Insignificant					
22	Booth 15	4.65	0.46	1.8	11.8	Aliphatic Hydrocarbons	n/a	0.2243			11.39%

Above-Average

MB



21

Mineral Spirits	8032-32-4	0.0044
VM&P Naphtha	64742-89-8	0.0282
Isopropyl Benzene	98-82-8	0.0004
1,2,4-Trimethylbenzene	95-63-6	0.0044
Aromatic Naphtha	64742-95-6	0.0169
Mineral Spirits	64742-47-8	0.1349
Petroleum Distillate	64742-49-0	0.0135
Solvent Naphtha, Heavy	64742-94-5	0.0035
Stoddard Solvent	8052-41-3	0.0073
Mineral Spirits	8032-32-4	0.0022
Solvent Naphtha	64742-88-7	0.0134
VM&P Naphtha	64742-89-8	0.0325
Isopropyl Benzene	98-82-8	0.0004
1,2,4-Trimethylbenzene	95-63-6	0.0063
Toluene	108-88-3	0.2152
Ethylbenzene	100-41-4	0.0230
Xylene	1330-20-7	0.0613
Ethyl Acetate	141-78-6	0.0476
Ethyl 3 Ethoxypropionate	763-69-9	0.0134
Isobutyl Acetate	110-19-0	0.0079
Isobutyl Isobutyrate	97-85-8	0.0115
N-Butyl Acetate	123-86-4	0.1649
Methanol	67-56-1	0.0980
Ethanol	64-17-5	0.2831
Isobutanol	78-83-1	0.0702
N-Butanol	71-36-3	0.0199
Isopropanol	67-63-0	0.1011
Methyl Ethyl Ketone	78-93-3	0.0701
Methyl Isobutyl Ketone	108-10-1	0.0389
Acetone	67-64-1	0.0586
1-Ethoxy-2-Propanol	1569-02-4	0.0005
PGMEA	108-65-6	0.0197
Talc	14807-96-6	0.0002
Titanium Dioxide	13463-67-7	0.0000
Nitrocellulose	9004-78-0	0.0001
Amorphous Silica	7631-86-9	0.0000
Formaldehyde	50-00-0	0.0018
Propylene Glycol Mono Methyl Ether	107-98-2	0.0295
CI Acid Yellow 220	70851-34-2	0.0000
Dioctyl Terephthalate	6422-86-2	0.0001
Iron Oxide	1309-37-1	0.0001
Asphalt	8052-42-4	0.0000
Silica (quartz)	14808-60-7	0.0000
Carbon Black	1333-86-4	0.0000
Solvent Red 130	71839-77-5	0.0000
Octane	111-65-9	0.0003
Heptane	142-82-5	0.0001
Nonane	111-84-2	0.0000
Cyclohexane	110-82-7	0.0000
n-Butyl Stearate	123-95-5	0.0045
Calcium Resinate	9007-13-0	0.0000
Fumed Silica	112945-52-5	0.0000
Aluminum Silicate	1332-58-7	0.0000
Limestone	1317-65-3	0.0001
Naphthalene	91-20-3	0.0006
Charcoal Pigment	8021-99-6	0.0000
Dipropylene glycol Methyl Ether	34590-94-8	0.0072
Red Acid	72017-66-4	0.0000
CI Acid Black 52	5610-64-0	0.0000
Burnt Umber Pigment	12713-03-0	0.0000
Manganese Oxide	1313-13-9	0.0000
Diethylene Glycol Butyl Ether	112-34-5	0.0006
Ceramics (clay)	66402-68-4	0.0000
urea-formaldehyde resin	68002-19-7	0.0000
Metal Complex Dye	84812-63-5	0.0000
C.I. Pigment Red 101	1332-37-2	0.0000
Urea Polymer with Aldehyde	28931-47-7	0.0000
Kerosene	8008-20-6	0.0002
Linseed Oil	8001-26-1	0.0000
Benzene	71-43-2	0.0001
Cadmium	7440-43-9	0.0000
Cellulose Nitrate, Cellulose Ester	9004-70-0	0.0000
o-xylene	95-47-6	0.0076
p-xylene	106-42-3	0.0076
Ethyl Lactate	97-64-3	0.0005
Propylene Glycol Monoethyl Ether	52125-53-8	0.0005
Metal Complex Dye	56819-40-0	0.0000
Trivalent Chromium	7440-47-3	0.0000
Para-Toluene Sulphonic Acid	6192-52-5	0.0000
Ethylene Glycol Monobutyl Ether	111-76-2	0.0061
Particulate	n/a	0.0011
Aliphatic Hydrocarbons	n/a	0.5221
Aromatic Naphtha	64742-95-6	0.0138
Mineral Spirits	64742-47-8	0.3925
Petroleum Distillate	64742-49-0	0.0394
Solvent Naphtha, Heavy	64742-94-5	0.0103
Stoddard Solvent	8052-41-3	0.0194
Mineral Spirits	8032-32-4	0.0028
Solvent Naphtha	64742-88-7	0.0390
VM&P Naphtha	64742-89-8	0.0050
Isopropyl Benzene	98-82-8	0.0007
1,2,4-Trimethylbenzene	95-63-6	0.0069
Toluene	108-88-3	0.0796
Ethylbenzene	100-41-4	0.0081
Xylene	1330-20-7	0.0204
Ethyl Acetate	141-78-6	0.0075
Isobutyl Isobutyrate	97-85-8	0.0095
N-Butyl Acetate	123-86-4	0.0504
Methanol	67-56-1	0.0075
Ethanol	64-17-5	0.0200
Isobutanol	78-83-1	0.0211
Isopropanol	67-63-0	0.0123
Methyl Ethyl Ketone	78-93-3	0.0235
Methyl Isobutyl Ketone	108-10-1	0.0276
Acetone	67-64-1	0.0052
PGMEA	108-65-6	0.0146

Above-Average

MB

23

Booth 14

4.65  
21

0.71

5.3

15.3

Above-Average

MB

12.30%
6.38%
9.52%
5.98%
8.64%
13.44%
13.44%
13.44%
11.35%
6.00%
13.44%
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7.69%
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9.32%
8.26%
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6.49%
7.82%
8.06%
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7.24%
7.73%
5.71%
10.00%
5.56%
8.92%
6.30%
8.17%
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13.44%
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6.53%
7.34%
3.17%
11.37%
10.16%
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13.44%
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2.47%
10.00%
9.35%
8.58%
0.66%
26.53%
7.02%
39.10%
39.10%
39.10%
39.10%
30.26%
7.63%
1.14%
14.75%
9.27%
2.61%
2.89%
2.79%
1.19%
7.63%
2.53%
0.50%
0.46%
2.35%
0.88%
2.43%
5.49%
0.50%
4.13%

						Mineral Spirits	8032-32-4	0.0044				12.30%
						VM&P Naphtha	64742-89-8	0.0282				6.38%
						Isopropyl Benzene	98-82-8	0.0004				9.52%
						1,2,4-Trimethylbenzene	95-63-6	0.0044				5.98%
						Talc	14807-96-6	0.0004				17.50%
						Titanium Dioxide	13463-67-7	0.0001				8.21%
						Diethyl Terephthalate	6422-86-2	0.0001				11.45%
						Iron Oxide	1309-37-1	0.0002				32.46%
						Asphalt	8052-42-4	0.0000				7.63%
						Silica (quartz)	14808-60-7	0.0000				14.84%
						Carbon Black	1333-86-4	0.0000				17.42%
						n-Butyl Stearate	123-95-5	0.0131				39.10%
						Calcium Resinate	9007-13-0	0.0001				39.10%
						Fumed Silica	112945-52-5	0.0001				39.10%
						Aluminum Silicate	1332-58-7	0.0001				39.10%
						Naphthalene	91-20-3	0.0017				39.10%
						Charcoal Pigment	8021-99-6	0.0000				39.10%
						Burnt Umber Pigment	12713-03-0	0.0001				30.90%
						Manganese Oxide	1313-13-9	0.0000				39.10%
						Ceramics (clay)	66402-68-4	0.0000				6.51%
						C.I. Pigment Red 101	1332-37-2	0.0001				30.35%
						Urea Polymer with Aldehyde	28931-47-7	0.0000				25.22%
						Kerosene	8008-20-6	0.0007				39.10%
						Linseed Oil	8001-26-1	0.0001				39.10%
						Benzene	71-43-2	0.0001				9.61%
						Cadmium	7440-43-9	0.0000				39.10%
						Para-Toluene Sulphonic Acid	6192-52-5	0.0000				6.30%
						Particulate	n/a	0.0013				0.82%
24	Booth 12	4.65 21	0.71	5.3	15.3	Aliphatic Hydrocarbons	n/a	0.0699				3.55%
						Aromatic Naphtha	64742-95-6	0.0142				7.24%
						Stoddard Solvent	8052-41-3	0.0035				5.53%
						Mineral Spirits	8032-32-4	0.0071				19.68%
						VM&P Naphtha	64742-89-8	0.0450				10.20%
						Isopropyl Benzene	98-82-8	0.0007				15.23%
						1,2,4-Trimethylbenzene	95-63-6	0.0071				9.57%
						Toluene	108-88-3	0.3277				10.74%
						Ethylbenzene	100-41-4	0.0048				1.70%
						Xylene	1330-20-7	0.0178				2.44%
						Ethyl Acetate	141-78-6	0.0551				8.74%
						Ethyl 3 Ethoxypropionate	763-69-9	0.0287				13.30%
						Isobutyl Acetate	110-19-0	0.0019				1.75%
						Isobutyl Isobutyrate	97-85-8	0.0070				5.68%
						N-Butyl Acetate	123-86-4	0.0687				3.44%
						Methanol	67-56-1	0.2064				13.66%
						Ethanol	64-17-5	0.5956				13.65%
						Isobutanol	78-83-1	0.0509				5.68%
						Isopropanol	67-63-0	0.0705				5.05%
						Methyl Ethyl Ketone	78-93-3	0.0956				9.88%
						Methyl Isobutyl Ketone	108-10-1	0.0457				9.07%
						Acetone	67-64-1	0.1676				16.32%
						PGMEA	108-65-6	0.0716				20.23%
						Talc	14807-96-6	0.0002				8.96%
						Titanium Dioxide	13463-67-7	0.0001				18.11%
						Propylene Glycol Mono Methyl Ether	107-98-2	0.0845				17.06%
						Cl Acid Yellow 220	70851-34-2	0.0001				21.03%
						Asphalt	8052-42-4	0.0000				19.68%
						Silica (quartz)	14808-60-7	0.0000				4.67%
						Solvent Red 130	71839-77-5	0.0000				24.45%
						Octane	111-65-9	0.0019				24.45%
						Heptane	142-82-5	0.0006				24.45%
						Nonane	111-84-2	0.0001				35.21%
						Cyclohexane	110-82-7	0.0001				24.45%
						Dipropylene glycol Methyl Ether	34590-94-8	0.0142				13.48%
						Red Acid	72017-66-4	0.0000				11.72%
						Cl Acid Black 52	5610-64-0	0.0000				12.72%
						Diethylene Glycol Butyl Ether	112-34-5	0.0035				24.45%
						Ceramics (clay)	66402-68-4	0.0001				14.23%
						Metal Complex Dye	84812-63-5	0.0000				18.42%
						C.I. Pigment Red 101	1332-37-2	0.0000				5.47%
						Urea Polymer with Aldehyde	28931-47-7	0.0000				8.68%
						Para-Toluene Sulphonic Acid	6192-52-5	0.0000				0.10%
						Particulate	n/a	0.0006				0.37%
25	Natural Gas Boiler 1 (American Kilns)	1.2 150	0.50	3.0	10.2	Nitrogen Oxides	10102-44-0	0.1591	Above Average (US EPA "B")		EF	67.60%
27	Wood Fired Boiler	2 200	1.04	22.6	31.1	Particulate	N/A	0.0623	A		EF	38.39%
						Nitrogen Oxides	10102-44-0	0.0763	C		EF	32.40%
28	Murphy Baghouse	14.2 21	0.61 x 0.61	side	8.0	Particulate	N/A	0.0188	C		EC	11.61%
29	Moldow Baghouse	51.9 21	12 - 0.61 x 0.61	0.6	10.6	Particulate	N/A	0.0688	C		EC	42.44%
30	Quiet Aire QADD-1-600-40-100-0-W-4-5	flue 50	N/A	1.0	11.0	Insignificant						
31	Lennox HVAC	flue 50	N/A	0.5	10.5	Insignificant - provides cooling only						
32	Tube Heater 1	flue 30	0.15	side	6.5	Insignificant						
33	Tube Heater 2	flue 30	0.15	side	6.5	Insignificant						
34	Tube Heater 3	flue 30	0.15	side	6.5	Insignificant						
35	Tube Heater 4	flue 30	0.15	side	6.5	Insignificant						
36	Tube Heater 5	flue 30	0.15	side	6.5	Insignificant						
37	Tube Heater 6	flue 30	0.15	side	6.5	Insignificant						
38	Tube Heater 7	flue 30	0.15	side	6.5	Insignificant						
49	EN-MAR AMU Boiler Room	flue 30	n/a	n/a	2.0	Insignificant						
50	Quiet Aire QADIO-1-16-16-16-187-1-M-3-E	flue 30	n/a	1.0	11.0	Insignificant						
54	Unit "B" EN-MAR AMU	flue 30	n/a	n/a	3.0	Insignificant						
55	Unit "A" EN-MAR AMU	flue 30	n/a	2.0	5.0	Insignificant						

						Mineral Spirits	8032-32-4	0.0044		12.30%
						VM&P Naphtha	64742-89-8	0.0282		6.38%
						Isopropyl Benzene	98-82-8	0.0004		9.52%
						1,2,4-Trimethylbenzene	95-63-6	0.0044		5.98%
56	Air Control Tech ACTD AMU	flue 30	n/a	1.0	11.0	insignificant				

Threshold Screening

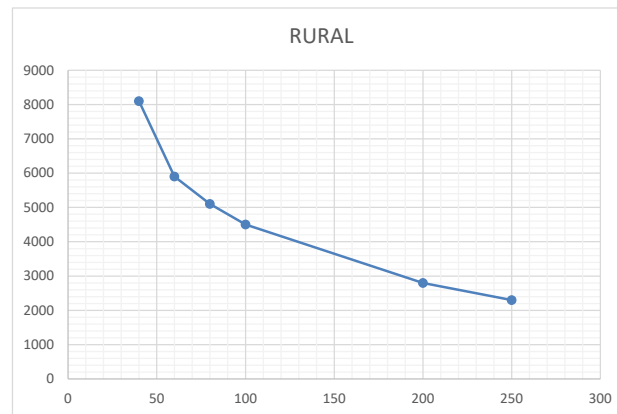
Contaminant	CAS	Finishing Emission Rate	Distance to POI	Table B1 Disp Factor	Corrected Disp Factor	MOE ACB Limit	Schedule	Limiting Effect	Avg Period	Emission Threshold	Screen Out? Y/N
		(g/s)	(m)	(ug/m <sup>3</sup> ) per g/s	(ug/m <sup>3</sup> ) per g/s	(ug/m <sup>3</sup> )			hours	(g/s)	(%)
Total Mineral Spirits	n/a	0.071651	20	8700	3573	3000	Sch 2	Odour	24	4.198E-01	YES
Aromatic Naphtha	64742-95-6	0.007134	20	8700	3573	500	SL-JSL	Health	24	6.996E-02	YES
Mineral Spirits	64742-47-8	0.036536	20	8700	3573	1750	SL-JSL	Health	24	2.449E-01	YES
Petroleum Distillate	64742-49-0	0.003666	20	8700	3573	1750	SL-JSL	Health	24	2.449E-01	YES
Solvent Naphtha, Heavy	64742-94-5	0.000960	20	8700	3573	500	SL-JSL	Health	24	6.996E-02	YES
Stoddard Solvent	8052-41-3	0.002335	20	8700	3573	2600	Std B1	Health	24	3.638E-01	YES
Mineral Spirits	8032-32-4	0.001313	20	8700	3573	2600	Std B1	Health	24	3.638E-01	YES
Solvent Naphtha	64742-88-7	0.003634	20	8700	3573	2600	Std B1	Health	24	3.638E-01	YES
VM&P Naphtha	64742-89-8	0.016073	20	8700	3573	2600	Std B1	Health	24	3.638E-01	YES
Isopropyl Benzene	98-82-8	0.000170	20	8700	3573	400	Std B1	Health	24	5.597E-02	YES
1,2,4-Trimethylbenzene	95-63-6	0.002700	20	8700	3573	220	Std B1	Health	24	3.078E-02	YES
Toluene	108-88-3	0.111115	20	8700	3573	2000	Guide B1	Odour	24	2.799E-01	YES
Ethylbenzene	100-41-4	0.010270	20	8700	3573	1000	Std B1	Health	24	1.399E-01	YES
		0.010270	20	8700	14289	1900	Guide B1	Odour	0.17	6.649E-02	YES
Xylene	1330-20-7	0.026615	20	8700	3573	730	Std B1	Health	24	1.021E-01	YES
		0.026615	20	8700	14289	3000	Guide B1	Odour	0.17	1.050E-01	YES
Ethyl Acetate	141-78-6	0.022962	20	8700	3573	19000	Guide B1	Odour	24	2.659E+00	YES
Ethyl 3 Ethoxypropionate	763-69-9	0.007867	20	8700	14289	200	Guide B1	Odour	0.17	6.999E-03	NO
Isobutyl Acetate	110-19-0	0.004036	20	8700	14289	1160	Guide B1	Odour	0.17	4.059E-02	YES
Isobutyl Isobutyrate	97-85-8	0.004508	20	8700	3573	1500	SL-JSL	Health	24	2.099E-01	YES
N-Butyl Acetate	123-86-4	0.072662	20	8700	3573	15000	Guide B1	Health	24	2.099E+00	YES
		0.072662	20	8700	14289	1000	Guide B1	Odour	0.17	3.499E-02	NO
Methanol	67-56-1	0.054994	20	8700	3573	4000	Std B1	Health	24	5.597E-01	YES
Ethanol	64-17-5	0.158827	20	8700	3573	19000	Guide B1	Odour	24	2.659E+00	YES
Isobutanol	78-83-1	0.032667	20	8700	3573	4,600	Std B1	Health	24	6.437E-01	YES
		0.032667	20	8700	14289	2,340	Guide B1	Odour	0.17	8.188E-02	YES
N-Butanol	71-36-3	0.008964	20	8700	3573	920	Std B1	Health	24	1.287E-01	YES
		0.008964	20	8700	14289	2100	Guide B1	Odour	0.17	7.348E-02	YES
Isopropanol	67-63-0	0.050860	20	8700	3573	7300	Std B1	Health	24	1.021E+00	YES
Methyl Ethyl Ketone	78-93-3	0.035208	20	8700	3573	1000	Std B1	Health	24	1.399E-01	YES
Methyl Isobutyl Ketone	108-10-1	0.018323	20	8700	3573	1200	Std B1	Health	24	1.679E-01	YES
Acetone	67-64-1	0.037389	20	8700	3573	11880	Std B1	Health	24	1.662E+00	YES
1-Ethoxy-2-Propanol	1569-02-4	0.000172	20	8700	3573	1100	SL-JSL	Health	24	1.539E-01	YES
PGMEA	108-65-6	0.012875	20	8700	3573	5000	Guide B1	Odour	24	6.996E-01	YES
Talc	14807-96-6	0.000081	20	8700	3573	2	Guide B1	Health	24	2.799E-04	YES
Titanium Dioxide	13463-67-7	0.000026	20	8700	3573	34	Guide B1	Health	24	4.758E-03	YES
Nitrocellulose	9004-70-0	0.000045	20	8700	3573	120	SL-MD	Health	24	1.679E-02	YES
Amorphous Silica	7631-86-9	0.000009	20	8700	3573	5,000	SL-MD	Health	24	6.996E-04	YES
Formaldehyde	50-00-0	0.000821	20	8700	3573	65	Std B1	Health	24	9.095E-03	YES
Propylene Glycol Mono Met	107-98-2	0.018029	20	8700	14289	120000	Guide B1	Odour	0.17	4.199E+00	YES
CI Acid Yellow 220	70851-34-2	0.000015	20	8700	3573	15	SL-JSL	Health	24	2.099E-03	YES
Diocetyl Terephthalate	6422-86-2	0.000039	20	8700	3573	120	SL-MD	Health	24	1.679E-02	YES
Iron Oxide	1309-37-1	0.000020	20	8700	3573	25	Std B1	Soiling	24	3.498E-03	YES
Asphalt	8052-42-4	0.000005	20	8700	3573	2.5	SL-MD	Health	24	3.498E-04	YES
Silica (quartz)	14808-60-7	0.000009	20	8700	3573	5	Guide B1	Health	24	6.996E-04	YES
Carbon Black	1333-86-4	0.000010	20	8700	3573	10	Std B1	Soiling	24	1.399E-03	YES
Solvent Red 130	71839-77-5	0.000000	20	8700	3573	15	SL-JSL	Health	24	2.099E-03	YES
Octane	111-65-9	0.000288	20	8700	14289	61800	Guide B1	Odour	0.17	2.163E+00	YES
Heptane	142-82-5	0.000096	20	8700	3573	11000	Std B1	Health	24	1.539E+00	YES
Nonane	111-84-2	0.000010	20	8700	3573	5250	SL-JSL	Health	24	7.346E-01	YES
Cyclohexane	110-82-7	0.000010	20	8700	3573	6100	Std B1	Health	24	8.536E-01	YES
n-Butyl Stearate	123-95-5	0.001222	20	8700	3573	120	Guide B1	Particulate	24	1.679E-02	YES
Calcium Resinate	9007-13-0	0.000005	20	8700	3573	120			24	1.679E-02	YES
Fumed Silica	112945-52-5	0.000005	20	8700	3573	1	SL-JSL	Health	24	1.399E-04	YES

Aluminum Silicate	1332-58-7	0.000005	20	8700	3573	10	SL	Health	24	1.399E-03	YES
Limestone	1317-65-3	0.000060	20	8700	3573	15	SL-JSL	Health	24	2.099E-03	YES
Naphthalene	91-20-3	0.000160	20	8700	3573	22.5	Guide B1	Health	24	3.148E-03	YES
		0.000160	20	8700	14289	50	Guide B1	Odour	0.17	1.750E-03	YES
Charcoal Pigment	8021-99-6	0.000003	20	8700	3573	120			24	1.679E-02	YES
Dipropylene glycol Methyl E	34590-94-8	0.003834	20	8700	3573	1550	SL-JSL	Health	24	2.169E-01	YES
Red Acid	72017-66-4	0.000009	20	8700	3573	n/a			24	#VALUE!	#VALUE!
Cl Acid Black 52	5610-64-0	0.000008	20	8700	3573	n/a			24	#VALUE!	#VALUE!
Burnt Umber Pigment	12713-03-0	0.000010	20	8700	3573	n/a			24	#VALUE!	#VALUE!
Manganese Oxide	1313-13-9	0.000001	20	8700	3573	0.4	Std B1	Health	24	5.597E-05	YES
Diethylene Glycol Butyl Ethe	112-34-5	0.000526	20	8700	3573	65	Guide B1	Health	24	9.095E-03	YES
Ceramics (clay)	66402-68-4	0.000015	20	8700	3573	15			24	2.099E-03	YES
urea-formaldehyde resin	68002-19-7	0.000015	20	8700	3573	15	SL-JSL	Health	24	2.099E-03	YES
Metal Complex Dye	84812-63-5	0.000002	20	8700	3573	15			24	2.099E-03	YES
C.I. Pigment Red 101	1332-37-2	0.000006	20	8700	3573	15			24	2.099E-03	YES
Urea Polymer with Aldehyde	28931-47-7	0.000003	20	8700	3573	15	SL-JSL	Health	24	2.099E-03	YES
Kerosene	8008-20-6	0.000064	20	8700	3573	12	SL-JSL	Health	24	1.679E-03	YES
Linseed Oil	8001-26-1	0.000006	20	8700	3573	120	SL-MD	Health	24	1.679E-02	YES
Benzene	71-43-2	0.000050	20	8700	685	0.45	Std B1	Health	8760	3.285E-04	YES
Cadmium	7440-43-9	0.000000	20	8700	3573	0.025	Std B1	Health	24	3.498E-06	YES
Cellulose Nitrate, Cellulose	9004-70-0	0.000015	20	8700	3573	120	SL-MD	Health	24	1.679E-02	YES
o-xylene	95-47-6	0.003748	20	8700	3573	300	JSL	n/a	24	4.198E-02	YES
p-xylene	106-42-3	0.003748	20	8700	3573	300	JSL	n/a	24	4.198E-02	YES
Ethyl Lactate	97-64-3	0.000172	20	8700	3573	100	SL-JSL	Health	24	1.399E-02	YES
Propylene Glycol Monoethyl	52125-53-8	0.000172	20	8700	3573	115	SL-JSL	Health	24	1.609E-02	YES
Metal Complex Dye	56819-40-0	0.000001	20	8700	3573	15			24	2.099E-03	YES
Trivalent Chromium	7440-47-3	0.000000	20	8700	3573	0.5	Std B1	Health	24	6.996E-05	YES
Para-Toluene Sulphonic Acid	6192-52-5	0.000019	20	8700	3573	11	SL-MD	Health	24	1.539E-03	YES
Ethylene Glycol Monobutyl E	111-76-2	0.002608	20	8700	3573	2400	Guide B1	Health	24	3.358E-01	YES
		0.002608	20	8700	14289	500	Guide B1	Odour	0.17	1.750E-02	YES
Particulates	n/a	0.150359	55	6500	6555.1504	120	Sch 2	Visibility	24	9.153E-03	NO
Nitrogen Oxides	10102-44-0	0.235361	55	6500	6555.2354	200	Std B1	Health	24	1.525E-02	NO
		0.235361	55	6500	6555.2354	400	Std B1	Health	1	3.051E-02	NO

Dispersion Factor 146.65

indicates can be considered insignificant according to Table B-2A

40 8100  
60 5900  
80 5100  
100 4500  
200 2800  
250 2300



Based on Urban Disp Factor

40 6300  
60 4600  
80 3400  
100 2600  
150 1400  
200 900  
250 600

