

# Environmental Noise Feasibility Study

## Northland Estates

### Proposed Residential Subdivision

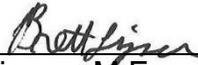
Highway 58 at Northland Avenue  
City of Port Colborne

July 20, 2022  
Project: 122-0003

Prepared for

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*Canada Ltd.*

## Version History

Version #	Date	Comments
1.0	June 24, 2022	Final – Issued to Client
2.0	July 20, 2022	Update based on changes to Site Plan

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# Environmental Noise Feasibility Study

## Northland Estates

### Proposed Residential Subdivision

In the Vicinity of Highway 58 and Barrick Road  
City of Port Colborne

#### **EXECUTIVE SUMMARY**

Valcoustics Canada Ltd. (VCL) was retained to prepare an Environmental Noise Feasibility Study to address the potential environmental noise impacts onto the proposed residential development.

The proposed development will consist of 122 single detached dwellings, 10 blocks for street townhouses and a mixed-use residential/commercial block.

The transportation noise source with the potential for significant impact onto the subject site is road traffic on Highway 58. The stationary source with the potential to impact the proposed development is the Port Colborne Mall.

The sound levels on the site have been determined and compared with the applicable Ministry of the Environment, Conservation and Parks (MECP) noise guideline limits to determine the need for noise mitigation.

To meet the applicable transportation noise source guideline limits:

- Exterior wall construction with a Sound Transmission Class (STC) rating of 54 and exterior windows with a STC rating of up to 28 are required to meet the indoor noise criteria for the dwellings on Lots 1 to 3;
- STC 37 exterior walls and exterior windows with a STC rating of up to 32 are required at the residential dwelling units in the mixed-use building;
- Exterior wall and window construction meeting the minimum non-acoustical requirements of the Ontario Building Code (OBC) will be sufficient at all remaining dwellings;
- Dwellings on Lots 1 to 3 and the mixed-use building require mandatory air conditioning to allow windows to remain closed for noise control purposes;
- Dwellings on Lots 7 to 25 and 75, 77 to 86 and in Blocks 127 and 128 require the provision for adding air conditioning; and
- A 1.8 m high sound barrier is required for the dwellings on Lots 20 to 25.

To meet the applicable stationary noise source guideline limits, at least some of the site needs to be deemed Class 4 by the Municipality. Specifically, Lots 75, 77 to 85 and the mixed-use building need to be Class 4. These dwellings will need to be provided with air conditioning to allow windows to remain closed.

## **1.0 INTRODUCTION**

VCL was retained to prepare an Environmental Noise Feasibility Study to address the potential environmental noise impacts onto the proposed residential development in support of the Draft Plan of Subdivision and Zoning By-law Amendment (ZBA) application submission to the Regional Municipality of Niagara and the City of Port Colborne

The predicted sound levels and noise mitigation measures needed for the proposed development to comply with noise guidelines of the Ministry of the Environment, Conservation and Parks (MECP) and the Region of Niagara are outlined herein.

### **1.1 THE SITE AND SURROUNDING AREA**

The proposed development is located southwest of the intersection of Highway 58 (West Side Road) and Barrick Road in the City of Port Colborne.

The site is bounded by:

- Existing detached dwellings, with Barrick Road beyond, to the north;
- Existing detached dwellings and the Port Colborne Mall, with Highway 58 beyond, to the east;
- Existing detached dwellings with Coronation Drive beyond, to the south; and
- An existing environmental protection area, to the west.

A Key Plan is included as Figure 1.

This report was prepared using the Draft Plan of Subdivision, prepared by Upper Canada Consultants, dated May 13, 2022. Figure 2 shows the Draft Plan of Subdivision.

### **1.2 THE PROPOSED DEVELOPMENT**

The development proposal is for 122 single detached dwelling lots (Lots 1 to 122), 10 street townhouse blocks (Blocks 123 to 132) and a mixed-use block for a three-storey apartment building with retail on the ground floor (Block 133). The detached dwellings will be up to 2-storeys in height, the townhouse blocks will be 3-storeys and the mixed-use building will be 4-storeys. All detached dwellings and townhouse units will have rear yard amenity areas. The location of outdoor amenity areas for the mixed-use block have not yet been determined.

## **2.0 ENVIRONMENTAL NOISE GUIDELINES**

### **2.1 MECP PUBLICATION NPC-300**

The applicable noise guideline limits for new residential development are those in MECP Publication NPC-300, “Environmental Noise Guideline, Stationary, and Transportation

Sources-Approval and Planning”. These are discussed briefly below and are summarized in Appendix B.

## 2.1.1 Transportation Noise Sources

### 2.1.1.1 Architectural Elements

In the daytime (0700 to 2300), the indoor criterion for road noise is  $L_{eq\ Day}^{(1)}$  of 45 dBA for sensitive spaces such as living/dining rooms, dens and bedrooms. At night, the indoor criterion for road noise is  $L_{eq\ Night}^{(2)}$  of 45 dBA for sensitive spaces such as living/dining rooms and dens and 40 dBA for bedrooms.

The architectural design of the building envelope (walls, windows, etc.) must provide adequate sound isolation to achieve the above indoor sound level limits.

### 2.1.1.2 Ventilation

If the daytime sound level,  $L_{eq\ Day}$ , at the exterior face of a noise sensitive window is greater than 65 dBA, central air conditioning should be provided so that windows can be kept closed for noise control purposes. For daytime sound levels between 56 dBA and 65 dBA inclusive, there need only be the provision for adding air conditioning. A warning clause advising the occupant of the potential interference with some activities is also required. At nighttime, air conditioning would be required when the sound level exceeds 60 dBA ( $L_{eq\ Night}$ ) at a noise sensitive window (provision for adding air conditioning is required when the sound level is greater than 50 dBA).

### 2.1.1.3 Outdoors

For Outdoor Living Areas (OLA's), the guideline objective is  $L_{eq\ Day}$  of 55 dBA with an excess not exceeding 5 dBA considered acceptable if it is technically not practicable to meet the 55 dBA objective, providing warning clauses are also registered on title.

A balcony or elevated terrace is not considered an OLA unless it is:

- The only OLA for the occupant;
- at least 4 m in depth; and
- unenclosed.

## 2.1.2 Stationary Noise Sources

Stationary sources, such as commercial and industrial facilities, are treated differently by the MECP guideline than transportation sources of noise. Stationary source noise criteria used for noise impact assessments are dependent on the type of area and the ambient sound environment.

(1)  $L_{eq, Day}$  16-hour energy equivalent sound level (0700-2300 hours).  
(2)  $L_{eq, Night}$  8-hour energy equivalent sound level (0700-2300 hours).

The proposed development was considered to be in a Class 2 area; i.e., an area where the ambient sound environment is dominated by “urban hum” during the daytime (0700 to 1900) and low sound levels defined by the natural environment and infrequent human activity during the evening (1900 to 2300) and nighttime (2300 to 0700). This area is dominated by noise from road traffic on Highway 58 during the daytime.

#### 2.1.2.1 Sound Level Criteria

##### 2.1.2.1.1 *Class 2 Criteria*

MECP Publication NPC-300 states that the guideline limits are the higher of the ambient sound level, due to road traffic, or the minimum exclusion limit at a point of reception (POR). PORs are the exterior of a window into a noise sensitive space (plane of window or POW) or an outdoor point of reception (OPOR). The minimum exclusion limits for a Class 2 area are listed in Table 1A.

**TABLE 1A CLASS 2 EXCLUSION SOUND LIMITS - STATIONARY NOISE SOURCES**

Time of Day	Class 2 Area Plane of Window (dBA)	Class 2 Area Outdoor Point or Reception (dBA)
Daytime (0700 - 1900 hours)	50	50
Evening (1900 - 2300 hours)	50	45
Nighttime (2300 - 0700 hours)	45	–

The MECP requires a “predictable worst case” one-hour operating scenario be analysed.

The stationary source limits in Publication NPC-300 do not apply to:

- a) gas stations;
- b) the occasional movement of vehicles on a property such as infrequent delivery of goods to convenience stores; or
- c) parking lots for private passenger vehicles at offices or commercial facilities such as retail stores, plazas or shopping malls.

The POW guideline limits apply at the midpoint of a window into a noise sensitive space such as living/dining/family rooms and sleep areas. No indoor sound level guidelines are provided for stationary sources. The OPOR guideline limits apply at a 1.5 m height at any location that is amenable for use (such as a front yard, rear yard or terrace) within 30 m of the dwelling facade or out to the property line if the 30 m distance is beyond the property limit. Note that there are no sound level limits for OPORs at night.

##### 2.1.2.2 Class 4 Criteria

Class 4 areas are defined in NPC-300 as an area:

- intended for development with new noise-sensitive land use(s) that are not yet built;

- in proximity to existing, lawfully-established stationary source(s); and
- that has formal confirmation from the land use planning authority with the Class 4 area classification.

Although not specifically stated in NPC-300, Class 4 is intended to be used when the noise mitigation measures needed to meet the Class 1 or 2 guideline limits are not feasible to implement. Class 4 is also a way to allow development in areas that are in transition.

The sound level limits for Class 4 areas are higher than those for a Class 1 or 2 area. The sound level limits in a Class 4 area are the higher of the ambient due to road traffic or the minimum exclusion limits. The minimum exclusion limits for a Class 4 area are listed in Table 1B.

**TABLE 1B CLASS 4 EXCLUSION SOUND LIMITS - STATIONARY NOISE SOURCES**

Time of Day	Class 4 Area Plane of Window (dBA)	Class 4 Area Outdoor Point or Reception (dBA)
Daytime (0700 - 1900 hours)	60	55
Evening (1900 - 2300 hours)	60	55
Nighttime (2300 - 0700 hours)	55	–

The reason for the higher sound level limits for a Class 4 area is that even though exterior windows are permitted to be operable, they are assumed to be closed to protect the indoor living spaces. In a Class 1 or 2 area, exterior windows are assumed to be open. In either case, the objective is to create a suitable indoor sound environment for the future occupants. In a Class 4 area, buildings need to have central air conditioning to allow the exterior windows to remain closed.

## 2.1 NIAGARA REGION

Niagara Region noise guidelines are contained in a Public Works Department Policy Manual, Regional Road Traffic Noise Control, dated November 9, 2006.

The noise requirements for new developments are very similar to the MECP requirements described above, with the only difference being that Niagara Region requires traffic volumes to be projected to at least 20 years into the future instead of the minimum 10 required by the MECP.

## 3.0 NOISE IMPACT ASSESSMENT – TRANSPORTATION SOURCES

### 3.1 ROAD TRAFFIC SOURCES

The transportation noise source with the potential to impact the subject site is road traffic on Highway 58. Traffic volumes on the other area roadways are minor, far enough removed from the site, or are adequately screened by intervening development and no significant noise impact is expected.

Ultimate traffic data for Highway 58 was provided by the Ministry of Transportation (MTO). The data includes Ultimate AADT and SADT volumes as well as posted speed and total truck percentage.

Hourly traffic volume counts for Highway 58 were also provided by MTO for various dates between May 30 and November 3, 2018. Year 2018 AADT and SADT volumes were also provided with these counts.

The AADT and SADT volumes provided with the hourly counts were higher than the ultimate volumes. To be conservative, the analysis used the highest SADT volume provided in the May 30 to June 6, 2018 hourly counts document, projected to 2042 using an annual growth rate of 2%. The truck percentages provided with the ultimate data were used in the assessment and were assumed to be split 25%/75% for medium/heavy trucks. The average day/night split was calculated from the hourly counts using the days with full 24-hour counts (i.e., days with 12 hours of data were not included).

The posted speed limit for Highway 58 changes twice in the vicinity of the site. The posted speed limit is:

- 80 kph, north of Barrick Road;
- 70 kph between Barrick Road and Coronation Drive; and
- 50 kph south of Coronation Drive.

To be conservative, the highest speed limit of 80 kph was used in the traffic noise impact assessment.

The road traffic data used to complete the assessment is summarized in Table 2.

**TABLE 2 ROAD TRAFFIC DATA<sup>(1)</sup>**

Roadway	Year <sup>(2)</sup>	SADT <sup>(3)</sup>	% Trucks		Day/Night Split (%)	Speed Limit (km/hr)
			Medium	Heavy		
Highway 58	2018 (2042)	15 700 <sup>(4)</sup> (25 252)	1.5 <sup>(5)</sup>	4.5 <sup>(5)</sup>	94/6 <sup>(6)</sup>	80 <sup>(7)</sup>

Notes:

- (1) Traffic data provided by MTO.
- (2) 2018 SADT data was used to complete the road traffic noise assessment since it is higher than the ultimate SADT. 2018 volume was projected to 2042 (20 year projection from 2022 as required by Niagara Region).
- (3) SADT – Summer Annual Daily Traffic
- (4) The highest SADT volume from the hourly count documents (specifically, the May 30 to June 6 2018 document). The value shown in brackets is the 2018 volume projected to the year 2042 using a growth rate of 2% compounded annually.
- (5) Total truck percentage provided with the ultimate traffic data. The trucks were assumed to be split 25%/75% for medium/heavy trucks.
- (6) Average day/night split calculated from the hourly counts. Days with only partial counts were not included.
- (7) The highest posted speed limit in the vicinity of the subject site.

### 3.2 ANALYSIS METHOD

Using the road traffic data in Table 2, the equivalent continuous daytime and nighttime sound levels ( $L_{eq \text{ Day}}$  and  $L_{eq \text{ Night}}$ ) were determined using STAMSON V5.04 – ORNAMENT, the computerized road traffic noise prediction model of the MECP.

The daytime and nighttime sound levels at the building facades were determined at the top floor (worst case) heights of 10.5 for the 4-storey mixed-use building, 7.5 m for the 3-storey buildings (the townhouse blocks) and 4.5 m for the 2-storey buildings (the detached dwellings). The daytime sound levels for the grade-level OLAs were calculated at a height of 1.5 m above grade, 3 m from the midpoint of the rear facades, in accordance with NPC-300.

The location of any outdoor amenity areas for the mixed-use block have not yet been determined. Any common outdoor amenity areas should be assessed as part of the Site Plan Approval (SPA) application for the mixed-use block.

Inherent screening of each building face due to its orientation to the noise source as well as screening provided by most of the subject development itself was taken into account. To be conservative, screening from the proposed mixed-use building was not included in the assessment, accounting for the scenario in which the mixed-use building is constructed after the rest of the development. Screening from existing buildings in the area were also taken into account.

#### 3.2.1 Predicted Sound Levels

The highest unmitigated daytime/nighttime sound levels of 70 dBA/61 dBA are predicted to occur at the east facades of the detached dwellings immediately adjacent to Highway 58 (Lots 1 to 3).

The highest unmitigated daytime OLA sound level is predicted to be 62 dBA at Lot 25.

Table 3 summarizes the unmitigated daytime and nighttime sound level predictions. A sample Stamson calculation is included as Appendix C.

**TABLE 3 PREDICTED UNMITIGATED SOUND LEVELS OUTDOORS**

Location <sup>(1)</sup>	Source	Distance (m) <sup>(2)</sup>	$L_{eq \text{ Day}}$ (dBA)	$L_{eq \text{ Night}}$ (dBA)
Lot 1 (East Facade)	Highway 58	21	70	61
Lot 7 (North Facade)	Highway 58	83	56	47
Lot 9 (East Facade)	Highway 58	66	61	52
Lot 80 (South Facade)	Highway 58	167	57	48
Lot 86 (East Facade)	Highway 58	105	59	50

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**TABLE 3 PREDICTED UNMITIGATED SOUND LEVELS OUTDOORS (continued)**

Location <sup>(1)</sup>	Source	Distance (m) <sup>(2)</sup>	L <sub>eq</sub> Day (dBA)	L <sub>eq</sub> Night (dBA)
Lot 127 (East Facade)	Highway 58	105	58	49
Lot 128 (East Facade)	Highway 58	105	56	47
Block 133 (East Facade)	Highway 58	26	69	60
Lot 9 (OLA)	Highway 58	73	55	-
Lot 11 (OLA)	Highway 58	49	55	-
Lot 19 (OLA)	Highway 58	56	55	-
Lot 20 (OLA)	Highway 58	56	58	-
Lot 25 (OLA)	Highway 58	56	62	-
Lot 86 (OLA)	Highway 58	113	55	-

Notes:

- (1) See Figure 2.
- (2) Distance indicated is from the centreline of the noise source.

### 3.3 NOISE ABATEMENT REQUIREMENTS

The noise control measures can generally be classified into two categories which are interrelated, but which the designer can treat separately for the most part:

- a) Architectural elements to achieve the indoor noise guidelines.
- b) Design features to protect the OLA's.

Noise abatement requirements are summarized on Figure 2 and in Table 6 along with the notes to Table 6.

#### 3.3.1 Indoors

##### 3.3.1.1 Architectural Elements

The indoor noise guidelines for the transportation sources can be achieved by using appropriate construction for exterior walls, windows and doors. To determine the worst-case architectural requirements for the detached dwellings and townhouse units, wall and window areas were assumed to be 80% and 30%, respectively, of the associated floor area, at a corner room with the highest predicted sound levels. For the mixed-use building, wall and window areas were assumed to be 20% and 80%, respectively, of the associated floor area of a corner room.

To meet the indoor noise guideline limits, the following facade sound isolation performance is required:

- Up to STC 54 exterior walls (e.g. brick veneer) and up to STC 28 exterior windows for Lots 1 to 3;
- Up to STC 37 exterior walls and up to STC 32 exterior windows for the residential dwelling units in the mixed-use building (Block 133); and
- Exterior wall and window construction meeting the minimum non-acoustical requirements of the OBC at all remaining dwelling units.

It is expected that exterior wall construction meeting the minimum non-acoustical requirements of the OBC will meet the STC 37 requirement.

Note, the window frames themselves must be designed to ensure that the overall sound isolation performance for the entire window unit meets the sound isolation requirement. This must be confirmed by the window manufacturer through the submission of acoustical test data.

The final sound isolation requirements should be reviewed when architectural floor plans are developed. Wall and window constructions should also be reviewed to ensure that they will meet the required sound isolation performance. This is typically done as part of the detailed design process

#### 3.3.1.2 Ventilation Requirements

Dwelling units immediately adjacent to Highway 58 (Lots 1 to 3 and Block 133) require mandatory air conditioning to allow windows to remain closed for noise control purposes.

Dwellings units on Lots 7 to 25 and 77 to 86 and in Blocks 127 and 128 require the provision for adding air conditioning. This typically takes the form of a ducted, forced air heating system, suitably sized to accommodate central air conditioning.

Figure 2 shows the locations with the various ventilation requirements for noise control purposes.

#### **3.3.2 Outdoors**

The unmitigated OLA sound levels at the dwellings on Lots 20 to 25 are predicted to exceed 55 dBA. A 1.8 m high sound barrier is predicted to mitigate the daytime OLA sound levels to 57 dBA or lower. This 2 dBA excess over the 55 dBA objective is considered acoustically insignificant. In addition, 57 dBA is within the 5 dBA leeway permitted under the MECP guidelines.

The unmitigated daytime OLA sound levels for all other dwellings are predicted to meet the 55 dBA guideline objective and do not require further noise mitigation.

The above sound barrier requirements were determined using assumed flat, level topography and should be updated once grading information is available.

The sound barriers must be of solid construction with no gaps, cracks or holes (except for small openings required for water drainage) and must have a minimum surface weight of 20 kg/m<sup>2</sup>. A

variety of materials are available, including concrete, masonry, glass, wood, specialty composite materials, or a combination of the above.

## **4.0 WARNING CLAUSES**

Warning clauses are a tool to inform prospective owners/occupants of potential annoyance due to existing noise sources. Where the guideline sound level limits are exceeded, appropriate warning clauses should be registered on title or included in the development agreement that is registered on title. The warning clauses should also be included in Offers of Purchase and Sale and lease/rental agreements to make future occupants aware of the potential noise situation. Locations requiring warning clauses and the MECP recommended wording are given in Table 5.

## **5.0 NOISE IMPACT ASSESSMENT – STATIONARY SOURCES**

The MECP definition of a stationary noise source indicates that it is a source of noise that is included and normally operated within the property lines of a facility. Stationary sources are to be assessed separately from transportation noise sources under the MECP guidelines.

### **5.1 NOISE SOURCES**

#### **5.1.1 Christian Life Assembly Church**

The Christian Life Assembly Church is located at 484 Barrick Road, at the southeast corner of Barrick Road and Highway 58. The only noise source at this facility would be the rooftop mechanical equipment. Given the distance separation, the presence of the intervening roadway and the existing residential uses in the area (that are closer than the proposed site), no significant noise impact is expected. Thus, this facility has not been considered further.

#### **5.1.2 Port Colborne Mall**

There are stationary noise sources located at the Port Colborne Mall. The main building is located along the west half of the mall site and contains multiple retail units, including Sobeys, Dollarama and Canadian Tire. Loading docks for the larger retail units are located along the west side of the main mall building. Smaller retail units within the main building include Ruffin's Pet Centre, Gala Nails, First Choice Hair Cutters, Bank of Montreal and Sessions Cannabis. There is a building at the southeast corner of the site that includes a Tim Hortons restaurant and a Little Caesars restaurant, both of which have drive-throughs. In addition, the Canadian Tire also has a gas bar at the northeast corner of the site as well as two garden centre areas; one at the northeast corner of the building and one south of the gas bar.

The significant noise sources at the Port Colborne Mall include:

- Rooftop mechanical equipment at the main building;
- Truck movements on the site;
- Vehicles repair activities at the Canadian Tire service area;
- Forklift movements at the Canadian Tire; and
- The air pump at the Canadian Tire gas bar.

Noise from the Tim Hortons/Little Caesars building is completely screened from the southern portion of the proposed development by the main mall building. The Tim Hortons/Little Caesars building is approximately 235 m from the proposed dwelling units north of Northland Avenue. Due to the distance separation and screening from the rest of the mall development, this building is not expected to have a significant impact on the subject site and was not included in the assessment.

It is understood that the mall is undergoing a redevelopment that will see the Dollarama being relocated to a different (currently vacant) unit and a Planet Fitness being added into the current Dollarama location.

VCL visited the Port Colborne Mall on April 5, 2022 to catalogue the noise-generating equipment and to complete sound measurements. In addition, VCL spoke with mall representatives to obtain information about the facility operations and noise sources.

#### 5.1.2.1 Rooftop Mechanical Units

Sound level measurements of the operating rooftop mechanical units on the main building were done during our site visit on April 5, 2022. There are a total of 34 packaged air conditioning units, 8 exhaust fans and 4 large condensers. The mechanical units are listed in Table 4 and shown on Figure 3.

#### 5.1.2.2 Truck Activities

##### 5.1.2.2.1 *Sobeys*

Sobeys is the southernmost unit of the main building and has 2 loading docks at the rear of the building, one of which is permanently occupied by a trailer that is used for storage. Truck deliveries typically occur between 0700 and 1700 hours. During the busiest hour, two to three heavy truck deliveries may occur, two of which could include a refrigeration unit. The trucks enter the site from the westernmost entrance on Northland Avenue and drive directly to the loading dock along the west side of the building. The same route is taken to leave the facility (See Figure 3).

##### 5.1.2.2.2 *Dollarama*

Dollarama is currently in the unit north of the Sobeys. It is understood that it will be relocated one unit north of its current location. The new location includes one loading dock at the rear of the building. Truck deliveries only occur during the daytime hours. During the busiest hour, one heavy truck delivery may occur (with no refrigeration unit). The trucks enter the site from the westernmost entrance on Northland Avenue and drive directly to the loading dock along the west side of the building. It is assumed the truck will turn around in the parking area near the Sobeys and exit the facility using the same route it used to enter (See Figure 3).

##### 5.1.2.2.3 *Canadian Tire*

Canadian Tire is the northernmost unit of the main building and has 2 loading docks at the north facade of the building, one of which is permanently occupied by a trailer that is used for storage. Truck deliveries typically occur between 0700 and 1100 hours. During the busiest hour, two heavy truck deliveries may occur. The trucks enter the site from one of the two western entrances on Northland Avenue (the entrances that are closest to the Canadian Tire), drive directly to the

loading dock and leave using the other of the two western entrances on Northland Avenue (See Figure 3).

In addition, one medium truck may make a delivery to the garden centre once a day during the daytime period (0700 – 1900). The truck enters from Northland Avenue near the gas bar, drives to the garden centre at the northeast corner of the building and leaves the facility using the same route.

#### 5.1.2.2.4 Notes on Truck Movements.

Based on information provided by Mall representatives (including staff at the Sobeys, Dollarama and Canadian Tire), it is understood that:

- Impulse noise is not generated at any of the loading bays discussed above;
- Trucks remain attached to their trailer while they are being unloaded; and
- Extended truck idling does not occur on the site.

#### 5.1.2.3 Forklift Activities

Canadian Tire owns two forklifts that are used to move goods around the exterior of the facility. During the daytime, one forklift could operate around the loading dock area for up to 10 minutes of an hour. The other forklift could operate for the full hour in the garden centre south of the gas bar. The forklifts do not operate during the evening or at nighttime.

#### 5.1.2.4 Canadian Tire Auto Centre

The Canadian Tire Auto Centre includes 4 repair bays and 5 overhead doors. During the warmer months, the repair bay doors can remain open while the facility is operating.

The main noise sources associated with this facility are the tools used inside the repair bays. The main noise-producing tools are the impact gun and grinder. During the busiest hour, two impact guns can operate for 1 minute each, totalling 2 min/hour. The grinder can operate for approximately 30 seconds during the busiest hour.

Operating information was provided by the Canadian Tire staff.

#### 5.1.2.5 Canadian Tire Gas Bar

The only noise source at the gas bar with the potential for impact at the subject site is the air pump located at the west side of the gas bar building.

## 5.2 OPERATING SCENARIOS

Three operating scenarios with different levels of activity were considered in the impact assessment. These scenarios correspond to the three criterion periods: daytime (0700 – 1900 hours), evening (1900 – 2300 hours) and nighttime (2300 – 0700 hours). The scenarios considered reflect the predictable worst case operating conditions, as required by the MECP guidelines.

Operating information for the truck activities were provided by staff at each facility. Operating information for the forklifts and the auto shop equipment at the Canadian Tire were provided by

Canadian Tire Staff. Operating information for the rooftop equipment and the gas bar air pump were based on previous projects completed by VCL for similar facilities.

For the rooftop units that were not operating during the site visit, the make and model numbers were cataloged, and the assessment was completed using manufacturer's sound data. Where manufacturer's sound data for the source was not available, manufacturer's sound data for a similar source was used. For RTUs 25 and 31, which are nearly identical to RTU18, the measured sound level of RTU18 was used.

The sound sources are shown on Figure 3 and in Table 4.

**TABLE 4 STATIONARY SOURCE MODELLING DETAILS**

Source ID <sup>(1)</sup>	Source Description	Sound Power Level (dBA) <sup>(6)</sup>	Source Height (m) <sup>(4)</sup>	Operating Time (mins/hour)		
				Daytime	Evening	Nighttime
RTU01	York DM090	84.3 <sup>(7)</sup>	1.3	60	60	30
RTU02	Carrier 48TCED12	78.2	1.5	60	60	30
RTU03	Carrier 48TCFD24	86.4	1.8	60	60	30
RTU04	York ZF072	83.4 <sup>(7)</sup>	1.4	60	60	30
RTU05	Carrier 48TCEA07	78.1	1.2	60	60	30
RTU06	Carrier 48TCEA07	78.1	1.2	60	60	30
RTU07	Carrier 48 TCED08	71.5	1.2	60	60	30
RTU08	Lennox LGH072	81.5 <sup>(7)</sup>	1.8	60	60	30
RTU09	York DH090	84.3 <sup>(7)</sup>	1.6	60	60	30
RTU10	York DH090	84.3 <sup>(7)</sup>	1.6	60	60	30
RTU11	York DH090	84.3 <sup>(7)</sup>	1.7	60	60	30
RTU12	York DJ036	73.7 <sup>(7)</sup>	1.4	60	60	30
RTU13	York DJ048	74.7 <sup>(7)</sup>	1.1	60	60	30
RTU14	Lennox KGA092	88.3 <sup>(7)</sup>	1.8	60	60	30
RTU15	York AV15N3CP	85.3 <sup>(7)</sup>	1.5	60	60	30
RTU16	York AV15N3CP	85.3 <sup>(7)</sup>	1.5	60	60	30
RTU17	Lennox GCS16-653-125	80.0 <sup>(7)</sup>	1.0	60	60	30
RTU18	Carrier 48TJE004	77.5	0.8	60	60	30
RTU19	Carrier 48TJE007	83.3	0.8	60	60	30
RTU20	Carrier 48TCEA04	79.9 <sup>(7)</sup>	1.3	60	60	30
RTU21	Carrier 48 TCFD20	85.6	1.9	60	60	30
RTU22	York D7CG060	76.7 <sup>(7)</sup>	1.4	60	60	30
RTU23	York DF072	76.7 <sup>(7)</sup>	1.4	60	60	30
RTU24	York AV15N3CP	85.3 <sup>(7)</sup>	1.5	60	60	30
RTU25	Carrier 48LJE004	77.5 <sup>(9)</sup>	1.0	60	60	30
RTU26	York ZJ090	89.6 <sup>(7)</sup>	1.5	60	60	30

.../cont'd

**TABLE 4 STATIONARY SOURCE MODELLING DETAILS (continued)**

Source ID <sup>(1)</sup>	Source Description	Sound Power Level (dBA) <sup>(6)</sup>	Source Height (m) <sup>(4)</sup>	Operating Time (mins/hour)		
				Daytime	Evening	Nighttime
RTU27	York AV15N3CP	85.3 <sup>(7)</sup>	1.5	60	60	30
RTU28	York DJ060	76.7 <sup>(7)</sup>	1.1	60	60	30
RTU29	York ZE060	81.1 <sup>(7)</sup>	1.1	60	60	30
RTU30	York DH090	84.3 <sup>(7)</sup>	1.7	60	60	30
RTU31	Carrier 48TJE004	77.5 <sup>(9)</sup>	0.9	60	60	30
RTU32	ICP RGW060	76.7 <sup>(7)</sup>	1.2	60	60	30
RTU33	Carrier 48TCEA06	77.7 <sup>(7)</sup>	1.0	60	60	30
RTU34	Mitsubishi PUY-A24	54.8 <sup>(7)</sup>	0.9	60	60	60
EF1	Penn Exhaust Fan	70.4 <sup>(10)</sup>	1.0	60	60	60
EF2	Centrimaster Exhaust Fan	52.2 <sup>(7)</sup>	0.6	60	60	60
EF3	Penn Exhaust Fan	70.4 <sup>(10)</sup>	0.8	60	60	60
EF4	Penn Exhaust Fan	70.4 <sup>(10)</sup>	0.7	60	60	60
EF5	Penn Exhaust Fan	70.4 <sup>(10)</sup>	0.6	60	60	60
EF6	Centrimaster Exhaust Fan	52.2 <sup>(7)</sup>	0.6	60	60	60
EF7	Centrimaster Exhaust Fan	52.2 <sup>(7)</sup>	0.6	60	60	60
EF8	Greenheck G-0950DGEX	73.7	0.7	60	60	60
COND1	Condenser	95.4	1.6	60	60	60
COND2	Condenser	80.1	1.6	60	60	60
COND3	Condenser	80.1	1.6	60	60	60
COND4	Condenser	80.1	1.6	60	60	60
CT_GRND1 to 5	Canadian Tire Grinder	91.0	1.85 <sup>(5)</sup>	0.5	0	0
CT_IG1 to 5	Canadian Tire Impact Gun	89.0	1.85 <sup>(5)</sup>	2	0	0
CT_PUMP	Canadian Tire Air Pump	77.9 <sup>(8)</sup>	1.5 <sup>(5)</sup>	54	30	6
TrkRef_Idle	Truck Refrigeration Unit Idle	100.6 <sup>(8)</sup>	3.5 <sup>(5)</sup>	60	0	0
TrkRef_Mov_Sobeys <sup>(2)</sup>	Truck Refrigeration Movement	100.6 <sup>(8)</sup>	2.4 <sup>(5)</sup>	4 Movements	0	0
Trk_Mov_Sobeys <sup>(2)</sup>	Truck Movement	105.9 <sup>(8)</sup>	2.4 <sup>(5)</sup>	6 Movements	0	0
Trk_Mov_Dollarama <sup>(2)</sup>	Truck Movement	105.9 <sup>(8)</sup>	2.4 <sup>(5)</sup>	1 Movement	0	0
Trk_Mov_CT <sup>(2)</sup>	Heavy Truck Movement	105.9 <sup>(8)</sup>	2.4 <sup>(5)</sup>	2 Movements	0	0

.../cont'd

**TABLE 4 STATIONARY SOURCE MODELLING DETAILS (continued)**

Source ID <sup>(1)</sup>	Source Description	Sound Power Level (dBA) <sup>(6)</sup>	Source Height (m) <sup>(4)</sup>	Operating Time (mins/hour)		
				Daytime	Evening	Nighttime
TrkM_Mov_CT <sup>(2)</sup>	Medium Truck Movement	99.7 <sup>(8)</sup>	2.4 <sup>(5)</sup>	2 Movements	0	0
CT_FL1 <sup>(3)</sup>	Forklift Movement	99.9	1.0 <sup>(5)</sup>	10	0	0
CT_FL2 <sup>(3)</sup>	Forklift Movement	99.9	1.0 <sup>(5)</sup>	60	0	0

**Notes:**

- (1) See Figure 3 for the source locations. Point source unless otherwise noted.
- (2) Line source.
- (3) Area source.
- (4) Relative to the top of the roof unless otherwise noted.
- (5) Relative to grade.
- (6) Calculated from sound measurement by VCL staff on April 5, 2022 unless otherwise noted.
- (7) Manufacturer's sound data.
- (8) Sound measurement by VCL staff of a similar source.
- (9) Sound level assumed to be the same as RTU18.
- (10) Manufacturer's sound data of a similar source.

### 5.3 ANALYSIS METHOD

A 3-D acoustic model of the site and facility, as shown in Figures 3 to 7, was developed using CadnaA V2021 MR2 environmental noise modelling software, which follows the protocol of the ISO Standard 9613.2, "Acoustics – Attenuation of Sound During Propagation in Outdoors", to predict the sound levels at the building facades and at the OPOR's. Accounting for distance, atmospheric absorption, ground attenuation and screening from the existing and proposed buildings, the sound level was determined for each receptor position.

The following parameters were used in the model:

1. Hard ground ( $G = 0$ ) was used for the roadways and the paved areas. Soft ground ( $G = 1$ ) was used elsewhere.
2. Two orders of sound reflection were included in the assessment.

The building evaluation feature was used to calculate the sound levels from the stationary and ambient noise sources. This method calculates sound levels on a grid of receivers over each facade at each storey of the building. In Figures 4 to 7, the numerical values in the octagons around the buildings represent the highest sound level at that location, at any floor.

The sound levels in the outdoor amenity areas closest to the mall facility were assessed using a grid calculation. The worst case locations (i.e., where the difference between the stationary noise level and the sound level limit is the greatest) were determined using the grid calculation. The discrete receptors (as shown on Figures 5 to 7) are at the worst case locations.

### 5.3.1 Numerical Sound Level Limits

For windows into dwelling units close to and with significant exposure to Highway 58, the ambient sound environment is expected to be dominated by noise from road traffic.

The 24-hour hourly traffic counts for Highway 58 were obtained from the MTO. The hourly traffic volumes were determined by combining the eastbound and westbound traffic. The overall truck percentage was provided with the ultimate traffic data provided by MTO. To be conservative, the posted speed limit of 70 kph south of Barrick Road was used in the assessment, as opposed to the 80 kph used in the transportation analysis. The traffic data used in the ambient noise analysis is shown in Table 5.

Minimum daytime and evening hour ambient sound levels were determined using the RLS-90 road traffic noise model included in the CadnaA software package. It was assumed that the minimum nighttime hourly traffic volume would be low enough that the ambient sound level would be below the exclusion limit. Thus, the minimum exclusion limits were used for the nighttime scenario.

The RLS-90 predictions were compared with ORNAMENT using an assumed 25%/75% medium/heavy truck split. The results were within 1 dB of each other. Thus, the RLS-90 predictions are considered appropriate for use in the assessment.

**TABLE 5 ROAD TRAFFIC DATA FOR AMBIENT ANALYSIS<sup>(1)</sup>**

Roadway	Year <sup>(2)</sup>	Daytime <sup>(2)</sup>	Evening <sup>(2)</sup>	Nighttime <sup>(3)</sup>	% Trucks		Speed Limit (km/hr)
					Medium	Heavy	
Highway 58	2018	518	118	-	1.5 <sup>(4)</sup>	4.5 <sup>(4)</sup>	80 <sup>(5)</sup>

Notes:

- (1) Traffic data provided by MTO.
- (2) Minimum hourly traffic volume as determined from the hourly count documents.
- (3) It was assumed that the minimum nighttime hourly traffic volume would be low enough that the ambient sound level would be below the exclusion limit. Thus, the minimum exclusion limits were used for the nighttime scenario.
- (4) Total truck percentage provided with the ultimate traffic data. The trucks were assumed to be split 25%/75% for medium/heavy trucks when comparing the RLS-90 and ORNAMENT predictions.
- (5) The posted speed limit between Barrick Road and Coronation Drive.

The worst case OPOR's are significantly screened from Highway 58. Thus, the exclusion limits were used for the OPOR's.

Figure 4 shows the predicted minimum hourly ambient sound levels due to road traffic at the building facades during the daytime and evening.

### 5.4 PREDICTED SOUND LEVELS

Figure 5 shows the predicted sound levels due the Port Colborne Mall. Figure 6 shows the sound level excesses over the Class 2 noise guideline limits at Lots 75, 77 to 85 and the mixed-use building. The excesses were calculated by subtracting the sound level limit (i.e., the higher of the

ambient sound level or exclusion limit) from the predicted sound level due to the stationary noise sources. The white octagons indicate compliance with the Class 2 guideline limits and red octagons indicate an excess. As shown on Figures 5 and 6, no excesses over the Class 2 guideline limits are predicted at the OPOR's.

Since excesses above the MECP noise guideline limits are predicted, mitigation measures are required to meet the Class 2 guideline limits.

## **5.5 MITIGATION MEASURES TO MEET THE CLASS 2 SOUND LEVEL LIMITS**

To meet the Class 2 sound level limits, these sound barriers would be required:

- Up to 3.0 m in height along the west property line of the mall; and
- Up to 6.5 m in height to screen the dwellings and mixed-use building on the north side of Northland Avenue.

Constructing a sound barrier to screen the receptors to the north of Northland Avenue is not possible since driveway access to both the Port Colborne Mall and the dwellings themselves from Northland Avenue must be maintained. To be effective, the sound barrier needs to be continuous.

An alternative option to sound barriers, would be at-source mitigation (i.e. attenuation of the noise level at the source itself rather than between the source and receiver). The excesses at the dwellings on Northland Avenue are primarily due to the forklift movements at the Canadian Tire Garden Centre. To meet the sound level limits, these forklifts would need to have their operations significantly restricted. This is not considered feasible since Canadian Tire needs the forklifts for their operations.

Meeting the Class 2 sound level limits for the proposed development concept is not considered practicable.

## **5.6 CLASS 4**

### **5.6.1 Appropriateness for Use of Class 4**

The site meets the requirements for Class 4 consideration since:

- The area would otherwise be defined as Class 1 or 2;
- The site is intended for new sensitive uses; and
- Is in proximity to an existing, lawfully established stationary source (the Port Colborne Mall commercial facility).

Class 4 was specifically created for situations such as this where there are existing stationary sources and the mitigation to meet the otherwise applicable sound levels limits (Class 2 in this case) are not practicable/feasible.

The reason for the higher sound level limits for a Class 4 area is that even though exterior windows are permitted to be operable, they are assumed to be closed to protect the indoor living spaces. In a Class 1 or 2 area, exterior windows are assumed to be open. In either case, the objective is

to create a suitable indoor sound environment for the future occupants. In a Class 4 area, buildings need to have central air conditioning to allow the exterior to remain closed.

The other difference is that the exclusion limits for OPOR's in a Class 4 area are 5 and 10 dBA less stringent, than the Class 2 daytime and evening limits, respectively.

It is worth noting that excesses over the Class 2 guideline limits are only predicted to occur at some of the proposed dwelling units (Lots 75, 77 to 85 and the mixed-use building). These excesses are primarily due to the forklift movements at the Canadian Tire Garden centre (with the exception of the excess at Lot 75 which is primarily due to the delivery truck activities). In addition, the predicted sound levels at the OPOR's meet the Class 2 guideline limits.

### **5.6.2 Predicted Sound Levels Compared to Class 4 Sound Level Limits**

Figure 7 shows there are no predicted excesses over the Class 4 guideline limits. The Class 4 guideline limits are predicted to be met at the building facades and OPORs of all PORs.

### **5.6.3 Class 4 Warning Clause**

If the site is made Class 4, a warning clause should be registered on title to inform future occupants/residents of the noise situation. This is in accordance with both NPC-300. Sample wording for the warning clause is given in NPC-300. A recommended, revised version is given below:

*“Purchasers/tenants are advised that sound levels due to adjacent industry or commercial facilities are required to comply with sound level limits that are protective of indoor areas and are based on the assumption that windows and exterior doors are closed. This dwelling unit has been supplied with a ventilation/air conditioning system which will allow windows and exterior doors to remain closed. Notwithstanding any noise mitigation at source or in the design of this development and individual dwellings, noise from the commercial facilities may at times interfere with some activities of the dwelling occupants. In the event of such an occurrence, residents are advised to close the windows.”*

Note, that at a minimum, Lots 75, 77 to 85 and the mixed-use building would need to be designated as Class 4. If any additional lots are designated Class 4, then air conditioning will be required for them as well.

## **6.0 OVERALL MITIGATION REQUIREMENTS**

The overall mitigation requirements for both stationary and transportation sources are shown in Table 6.

**TABLE 6 MINIMUM NOISE ABATEMENT MEASURES**

Location	Air Conditioning <sup>(1)</sup>	Exterior Wall <sup>(2)</sup>	Exterior Window <sup>(3)</sup>	Sound Barrier <sup>(4)</sup>	Class 4 Required? (Y/N) <sup>(7)</sup>	Warning Clauses <sup>(5)</sup>
Lots 1 to 3	Mandatory	STC 54	STC 28	None	N	A + B
Lots 7 to 19, 86 Blocks 127 and 128	Provision for adding	No special acoustical requirements		None	N	A + C
Lots 20 to 25	Provision for adding	No special acoustical requirements		1.8 m High	N	A + C
Lots 75, 77 to 85	Mandatory	No special acoustical requirements		None	Y	A + B + E
Mixed Use Building (Block 133)	Mandatory	STC 37	STC 32	To be determined at a later stage	Y	A + B + E
All other dwelling units	No special acoustical requirements			None	N	None
Lots 67 to 86 and Block 133	In addition to the above requirements					D

Notes to Table 6 on the following page.

**Notes to Table 6:**

- (1) Where methods must be provided to allow windows to remain closed for noise control purposes. A commonly used technique is providing air conditioning or the provision for adding air conditioning.
- (2) STC - Sound Transmission Class Rating (Reference ASTM-E413).  
The requirements were determined using assumed percentages of wall and window areas to associated floor area and should be checked once building plans are finalized.
- (3) STC - Sound Transmission Class Rating (Reference ASTM-E413). A sliding glass walkout door should be considered as a window and be included in the percentage of glazing.  
The requirements were determined using assumed percentages of wall and window areas to associated floor area and should be checked once building plans are finalized.
- (4) Sound barriers must be of solid construction having a minimum face density of 20 kg/m<sup>2</sup> with no gaps or cracks.
- (5) Warning clauses to be registered on title and be included in Offers of Purchase and Sale for designated lots:
  - A. "Purchasers/tenants are advised that despite the inclusion of noise control features in the development and within the building units, sound levels due to increasing road and rail traffic may occasionally interfere with some activities of the dwelling occupants as the sound level may exceed the noise criteria of the Ministry of the Environment, Conservation and Parks and/or the municipality."
  - B. "This dwelling unit has been supplied with a central air conditioning system which will allow windows and exterior doors to remain closed, thereby ensuring that the indoor sound levels are within the sound level limits of the Municipality and the Ministry of the Environment, Conservation and Parks."
  - C. "This dwelling unit has been designed with the provision for adding central air conditioning at the occupant's discretion. Installation of central air conditioning by the occupant in low and medium density developments will allow windows and exterior doors to remain closed, thereby ensuring that the indoor sound levels are within the sound level limits of the Municipality and the Ministry of the Environment, Conservation and Parks."
  - D. "Purchasers / occupants are advised that due to the proximity of the existing Port Colborne Mall, sound from this facility may, at times, be audible."
  - E. "Purchasers/tenants are advised that sound levels due to adjacent industry or commercial facilities are required to comply with sound level limits that are protective of indoor areas and are based on the assumption that windows and exterior doors are closed. This dwelling unit has been supplied with a ventilation/air conditioning system which will allow windows and exterior doors to remain closed. Notwithstanding any noise mitigation at source or in the design of this development and individual dwellings, noise from the commercial facilities may at times interfere with some activities of the dwelling occupants. In the event of such an occurrence, residents are advised to close the windows."
- (6) All exterior doors shall be fully weather-stripped.
- (7) The minimum lots required to be designated Class 4. If additional lots are designated Class 4, air conditioning will need to be provided for those lots as well.

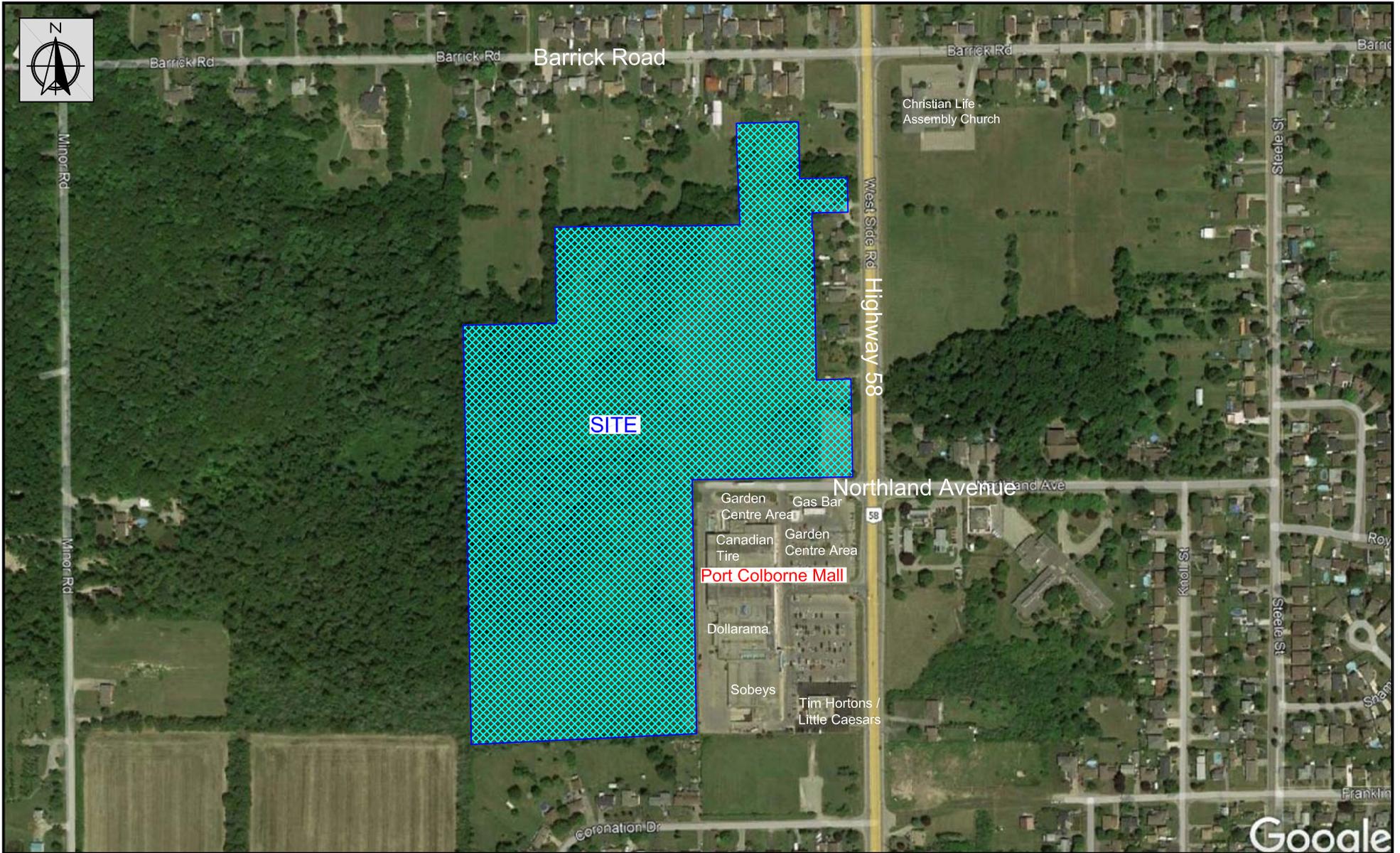
## 7.0 CONCLUSIONS

With the incorporation of the recommended noise mitigation measures, the applicable MECP noise guidelines can be met, and a suitable acoustical environment provided for the occupants.

Details of the reclassification and appropriate warning clauses shall be registered on title, and copies of the final noise study and development agreement shall be distributed to the stationary noise source land owner for their information and future use.

## 8.0 REFERENCES

1. "Environmental Noise Guideline – Stationary, and Transportation Sources, Approval and Planning", Ontario Ministry of the Environment, Publication NPC-300, October 2013.
2. PC STAMSON 5.04, "Computer Program for Road Traffic Noise Assessment", Ontario Ministry of the Environment.
3. Building Practice Note No. 56: "Controlling Sound Transmission into Buildings", by J. D. Quirt, Division of Building Research, National Council of Canada, September 1985.
4. "Environmental Noise Assessment in Land-Use Planning 1987", Ontario Ministry of the Environment, February 1987, ISBN 0-7729-2804-5.
5. "Regional Road Traffic Noise Control", Niagara Region, Public Works Department Policy Manual PW5.NO1.0, November 9, 2006.

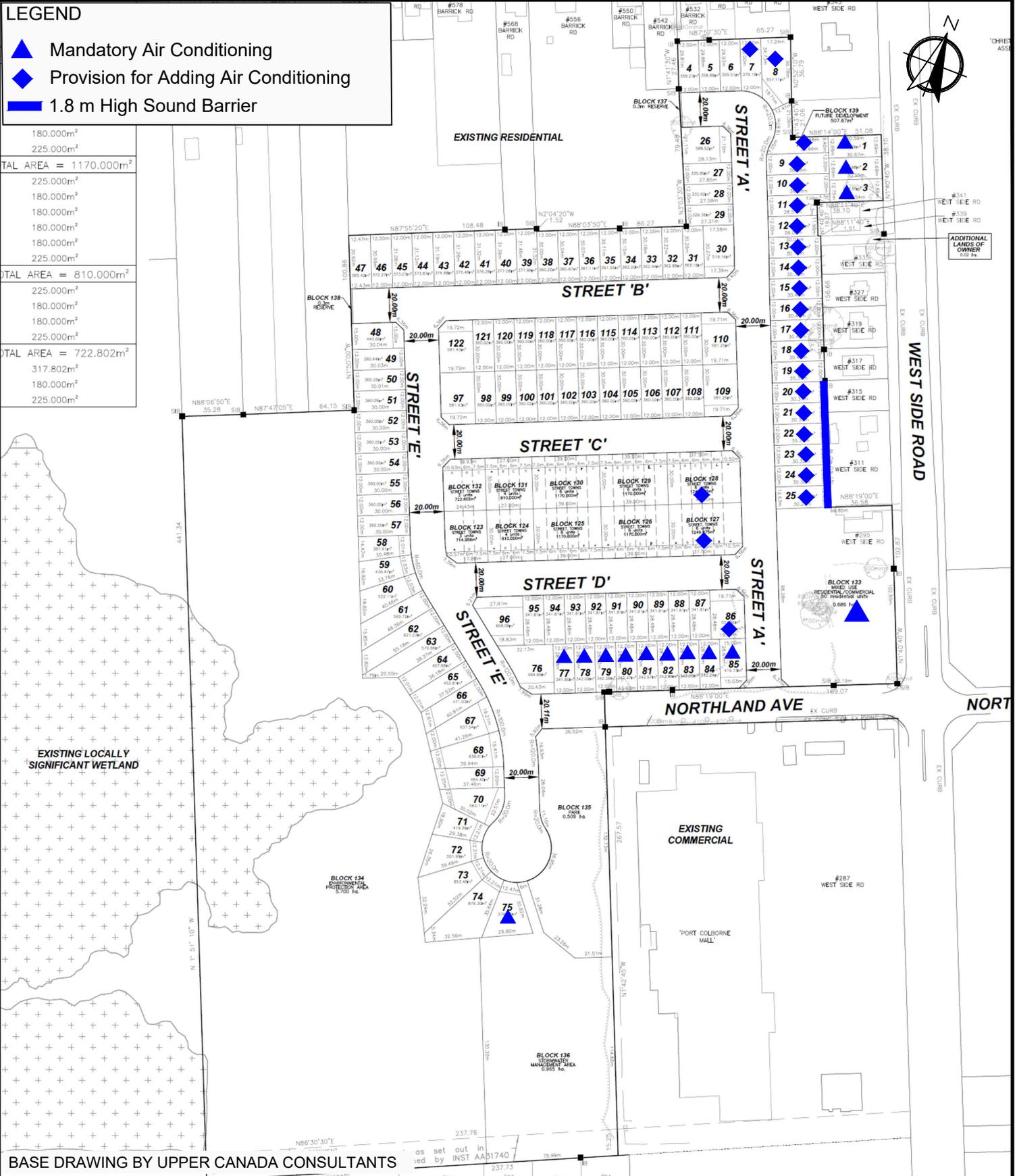


			 30 Wertheim Court, Unit 25 Richmond Hill, Ontario Canada L4B 1B9 solutions@valcoustics.com Phone: (905) 764-5223 Fax: (905) 764-6813	Title <b>Key Plan</b>	Project No. 1220003	Date July 12, 2022
No.	Revision/Issue	Date		Project Name <b>Northland Estates, Port Colborne</b>	Scale N.T.S.	Figure <b>1</b>

**LEGEND**

-  Mandatory Air Conditioning
-  Provision for Adding Air Conditioning
-  1.8 m High Sound Barrier

180.000m <sup>2</sup>
225.000m <sup>2</sup>
<b>TOTAL AREA = 1170.000m<sup>2</sup></b>
225.000m <sup>2</sup>
180.000m <sup>2</sup>
180.000m <sup>2</sup>
180.000m <sup>2</sup>
180.000m <sup>2</sup>
225.000m <sup>2</sup>
<b>TOTAL AREA = 810.000m<sup>2</sup></b>
225.000m <sup>2</sup>
180.000m <sup>2</sup>
180.000m <sup>2</sup>
225.000m <sup>2</sup>
<b>TOTAL AREA = 722.802m<sup>2</sup></b>
317.802m <sup>2</sup>
180.000m <sup>2</sup>
225.000m <sup>2</sup>



BASE DRAWING BY UPPER CANADA CONSULTANTS

as set out in INST AA 1740

No.	Revision/Issue	Date

**VALCOUSTICS**  
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solutions@valcoustics.com

**Title**  
Draft Plan of Subdivision

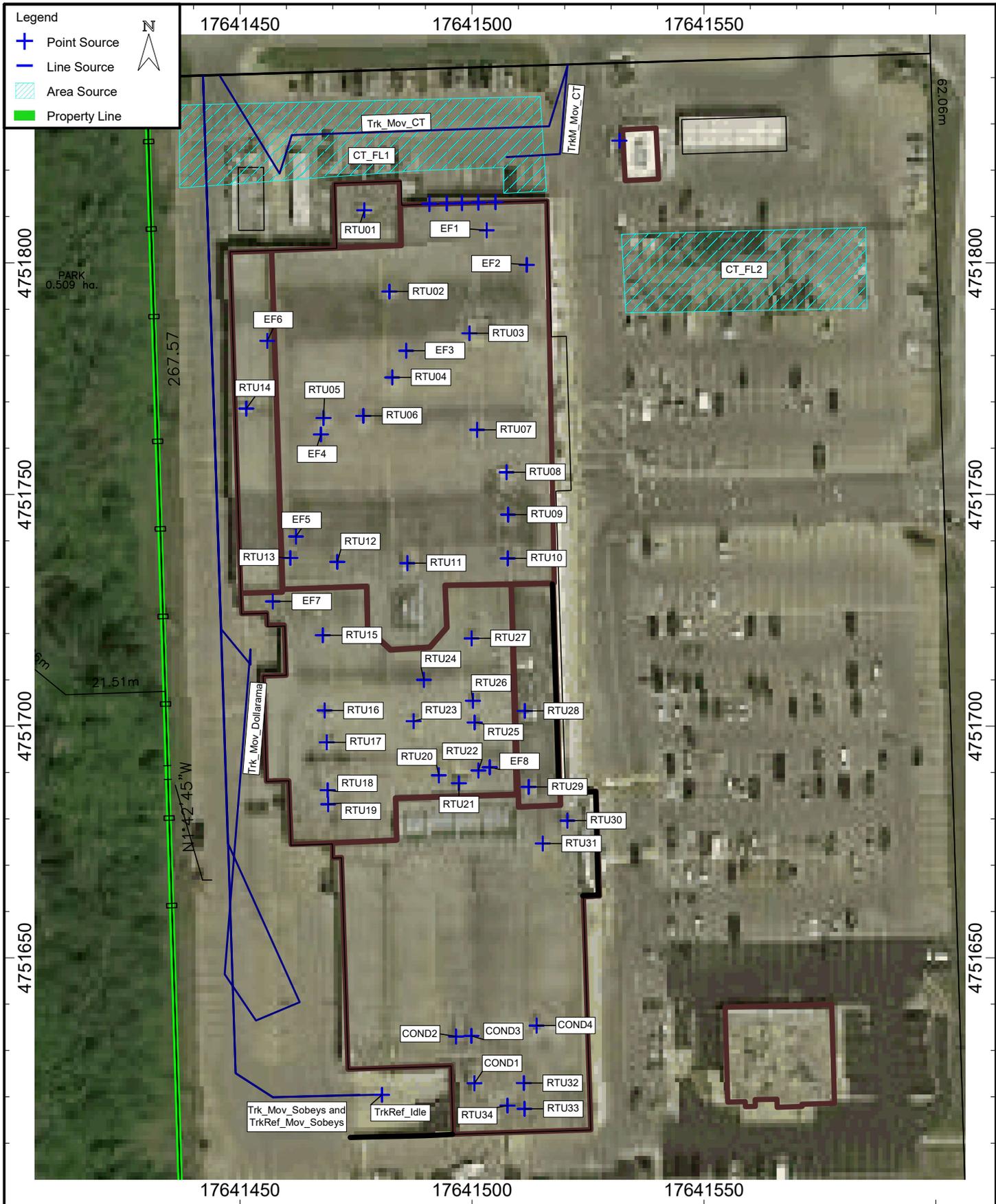
**Project Name**  
Northland Estates,  
Port Colborne

**Project No.**  
1220003

**Scale**  
N.T.S.

**Date**  
July 12, 2022

**Figure**  
**2**



	Title <b>Stationary Noise Sources</b>	Date <b>June 15, 2022</b>	Figure <b>3</b>
	Project Name <b>Northland Estates, Port Colborne</b>	Project No. <b>1220003</b>	



	Title	Ambient Sound Levels Due To Road Traffic	Date	June 21, 2022
	Project Name	Northland Estates, Port Colborne	Project No.	1220003



	Title	Date	Figure <b>5</b>
	Predicted Unmitigated Sound Levels (dBA) Project Name Northland Estates, Port Colborne	June 21, 2022 Project No. 1220003	

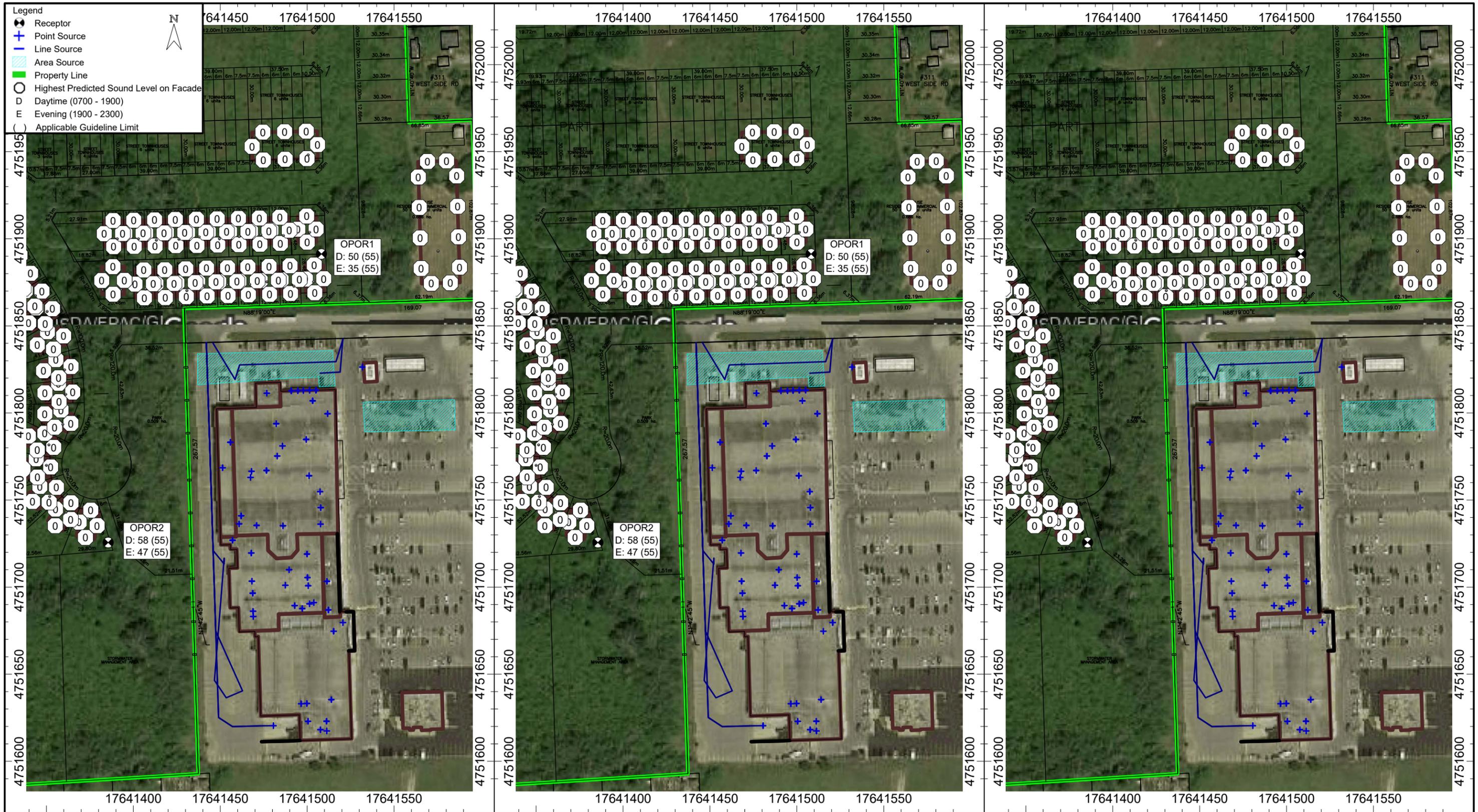


Daytime Scenario

Evening Scenario

Nighttime Scenario

	Title		Date
	Excesses Over Class 2 Limits		June 21, 2022
Project Name		Project No.	
Northland Estates, Port Colborne		1220003	
			Figure
			<b>6</b>



<p><b>VALCOUSTICS</b> Canada Ltd. consulting acoustical engineers</p>	<p>Title Excesses Over Class 4 Limits</p> <p>Project Name Northland Estates, Port Colborne</p>	<p>Date June 21, 2022</p> <p>Project No. 1220003</p>	<p>Figure <b>7</b></p>
	<p>Date Plotted: 21.06.22</p>		

# **APPENDIX A**

## **ROAD TRAFFIC DATA**

**Hwy: 58**      **Between: HWY 3-NIAGARA RD 3-MAIN ST-PORT COLBORNE**  
**TS: 105**      **and: NIAGARA RD 23-FORKS RD-WELLAND**  
**Regn: CENTRAL**      **Pattern: CTR**      **PDCS: 09**      **Factor: 0.77**  
**LHRS: 32700**      **Offset: 0.500**      **Locn: 0.500 KM N OF HWY 3-NIAGARA RD 3-MAIN ST-PORT COLBORNE**  
**Dir: N**      **Lanes: 2**      **Speed: 50 km/h**      **Dates: 27-Jul-2018 to 03-Aug-2018**

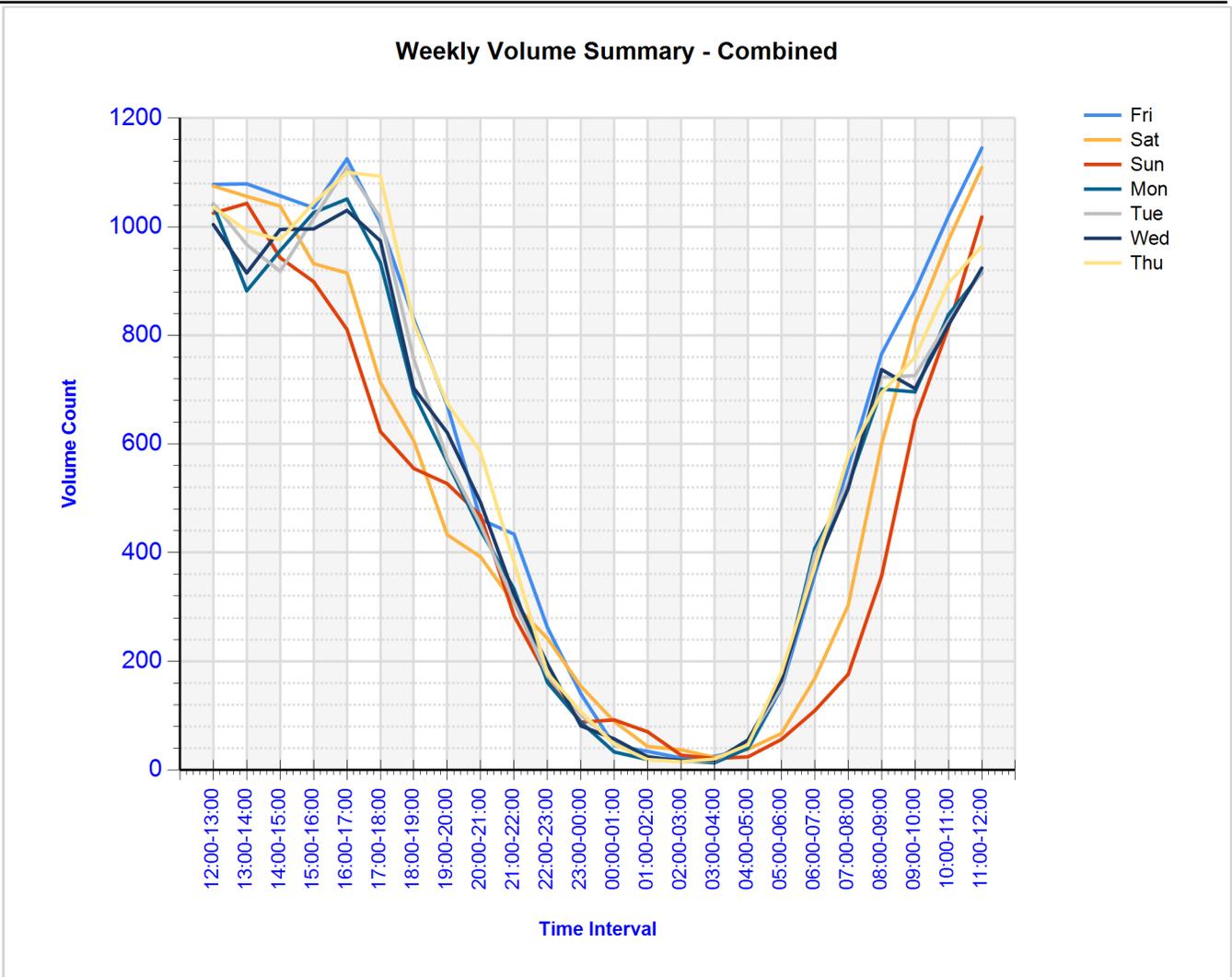
	Fri		Sat		Sun		Mon		Tue		Wed		Thu		Fri	
H. Interval	07/27		07/28	Pk	07/29	Pk	07/30	Pk	07/31	Pk	08/01	Pk	08/02	Pk	08/03	Pk
00:00-01:00			24		40		13		17		23		13		15	
01:00-02:00			16		28		7		8		10		8		16	
02:00-03:00			15		13		6		5		5		7		7	
03:00-04:00			11		10		8		8		6		7		12	
04:00-05:00			17		13		32		43		39		35		21	
05:00-06:00			37		23		83		84		99		115		91	
06:00-07:00			90		49		263		247		234		222		208	
07:00-08:00			171		91		334		324		321		360		344	
08:00-09:00			350	◀	195	◀	376	◀	407	◀	410	◀	393	◀	407	◀
09:00-10:00			423		333		393		420		393		400		449	
10:00-11:00			505		428		439		424		418		471		545	
11:00-12:00			544	◀	494	◀	426		466		461		477		557	◀
<b>AM Total</b>			<b>2203</b>		<b>1717</b>		<b>2380</b>		<b>2453</b>		<b>2419</b>		<b>2508</b>		<b>2672</b>	
12:00-13:00	539	◀	488		472		498	◀	519	◀	494	◀	500	◀		
13:00-14:00	526		502		488		438		448		437		486			
14:00-15:00	510		489		448		479		441		498		478			
15:00-16:00	462		424		436	◀	481	◀	462		444		449			
16:00-17:00	498	◀	438	◀	376		473		505	◀	458	◀	474	◀		
17:00-18:00	427		324		296		386		466		404		470			
18:00-19:00	361		296		275		346		350		311		369			
19:00-20:00	332		195		282		274		266		304		321			
20:00-21:00	223		198		242		201		199		218		281			
21:00-22:00	196		155		175		135		130		132		176			
22:00-23:00	142		114		97		56		73		76		83			
23:00-00:00	67		71		51		26		44		28		46			
<b>PM Total</b>	<b>4283</b>		<b>3694</b>		<b>3638</b>		<b>3793</b>		<b>3903</b>		<b>3804</b>		<b>4133</b>			
<b>24h. Total</b>	<b>4283</b>		<b>5897</b>		<b>5355</b>		<b>6173</b>		<b>6356</b>		<b>6223</b>		<b>6641</b>		<b>2672</b>	
<b>Noon - Noon</b>	<b>6486</b>		<b>5411</b>		<b>6018</b>		<b>6246</b>		<b>6322</b>		<b>6312</b>		<b>6805</b>			

**Hwy: 58**      **Between: HWY 3-NIAGARA RD 3-MAIN ST-PORT COLBORNE**  
**TS: 105**      **and: NIAGARA RD 23-FORKS RD-WELLAND**  
**Regn: CENTRAL**      **Pattern: CTR**      **PDCS: 09**      **Factor: 0.77**  
**LHRS: 32700**      **Offset: 0.500**      **Locn: 0.500 KM N OF HWY 3-NIAGARA RD 3-MAIN ST-PORT COLBORNE**  
**Dir: S**      **Lanes: 2**      **Speed: 50 km/h**      **Dates: 27-Jul-2018 to 03-Aug-2018**

	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri
H. Interval	07/27	07/28	07/29	07/30	07/31	08/01	08/02	08/03
00:00-01:00		65	52	20	35	34	34	30
01:00-02:00		27	42	12	17	14	11	18
02:00-03:00		22	14	11	10	12	8	15
03:00-04:00		12	11	5	8	11	13	13
04:00-05:00		21	11	8	10	16	11	17
05:00-06:00		30	33	71	68	65	64	59
06:00-07:00		78	60	145	150	137	151	151
07:00-08:00		132	85	190	205	197	217	213
08:00-09:00		250	162	325	316	327	301	359
09:00-10:00		399	311	303	306	309	360	433
10:00-11:00		470	387	399	402	401	425	474
11:00-12:00		565	524	490	452	463	487	588
<b>AM Total</b>		<b>2071</b>	<b>1692</b>	<b>1979</b>	<b>1979</b>	<b>1986</b>	<b>2082</b>	<b>2370</b>
12:00-13:00	539	587	553	542	524	510	536	
13:00-14:00	553	554	555	444	519	478	507	
14:00-15:00	547	549	495	477	477	497	498	
15:00-16:00	573	508	463	545	553	552	595	
16:00-17:00	627	477	435	578	605	572	626	
17:00-18:00	580	389	327	548	550	570	623	
18:00-19:00	469	310	280	347	407	392	454	
19:00-20:00	339	238	245	293	306	317	354	
20:00-21:00	238	194	226	240	252	274	304	
21:00-22:00	238	151	109	198	179	191	206	
22:00-23:00	120	128	73	105	100	119	95	
23:00-00:00	73	83	37	62	57	53	61	
<b>PM Total</b>	<b>4896</b>	<b>4168</b>	<b>3798</b>	<b>4379</b>	<b>4529</b>	<b>4525</b>	<b>4859</b>	
<b>24h. Total</b>	<b>4896</b>	<b>6239</b>	<b>5490</b>	<b>6358</b>	<b>6508</b>	<b>6511</b>	<b>6941</b>	<b>2370</b>
<b>Noon - Noon</b>	<b>6967</b>	<b>5860</b>	<b>5777</b>	<b>6358</b>	<b>6515</b>	<b>6607</b>	<b>7229</b>	

**Hwy: 58**      **Between: HWY 3-NIAGARA RD 3-MAIN ST-PORT COLBORNE**  
**TS: 105**      **and: NIAGARA RD 23-FORKS RD-WELLAND**  
**Regn: CENTRAL**      **Pattern: CTR**      **PDCS: 09**      **Factor: 0.77**  
**LHRS: 32700**      **Offset: 0.500**      **Locn: 0.500 KM N OF HWY 3-NIAGARA RD 3-MAIN ST-PORT COLBORNE**  
**Dir: COMBINED**      **Lanes: 4**      **Speed: 50 km/h**      **Dates: 27-Jul-2018 to 03-Aug-2018**

	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri
	07/27	07/28	07/29	07/30	07/31	08/01	08/02	08/03
H. Interval		Pk	Pk	Pk	Pk	Pk	Pk	Pk
00:00-01:00		89	92	33	52	57	47	45
01:00-02:00		43	70	19	25	24	19	34
02:00-03:00		37	27	17	15	17	15	22
03:00-04:00		23	21	13	16	17	20	25
04:00-05:00		38	24	40	53	55	46	38
05:00-06:00		67	56	154	152	164	179	150
06:00-07:00		168	109	408	397	371	373	359
07:00-08:00		303	176	524	529	518	577	557
08:00-09:00		600	357	701	723	737	694	766
09:00-10:00		822	644	696	726	702	760	882
10:00-11:00		975	815	838	826	819	896	1019
11:00-12:00		1109	1018	916	918	924	964	1145
<b>AM Total</b>		<b>4274</b>	<b>3409</b>	<b>4359</b>	<b>4432</b>	<b>4405</b>	<b>4590</b>	<b>5042</b>
12:00-13:00	1078	1075	1025	1040	1043	1004	1036	
13:00-14:00	1079	1056	1043	882	967	915	993	
14:00-15:00	1057	1038	943	956	918	995	976	
15:00-16:00	1035	932	899	1026	1015	996	1044	
16:00-17:00	1125	915	811	1051	1110	1030	1100	
17:00-18:00	1007	713	623	934	1016	974	1093	
18:00-19:00	830	606	555	693	757	703	823	
19:00-20:00	671	433	527	567	572	621	675	
20:00-21:00	461	392	468	441	451	492	585	
21:00-22:00	434	306	284	333	309	323	382	
22:00-23:00	262	242	170	161	173	195	178	
23:00-00:00	140	154	88	88	101	81	107	
<b>PM Total</b>	<b>9179</b>	<b>7862</b>	<b>7436</b>	<b>8172</b>	<b>8432</b>	<b>8329</b>	<b>8992</b>	
<b>24h. Total</b>	<b>9179</b>	<b>12136</b>	<b>10845</b>	<b>12531</b>	<b>12864</b>	<b>12734</b>	<b>13582</b>	<b>5042</b>
<b>Noon - Noon</b>	<b>13453</b>	<b>11271</b>	<b>11795</b>	<b>12604</b>	<b>12837</b>	<b>12919</b>	<b>14034</b>	
<b>ADT</b>	<b>AWD</b>	<b>AADT</b>	<b>SADT</b>	<b>SAWDT</b>	<b>WADT</b>	<b>DHV</b>		
<b>12702</b>	<b>13098</b>	<b>9800</b>	<b>15500</b>	<b>15600</b>	<b>10800</b>	<b>1250</b>		



**Hwy: 58**      **Between: HWY 3-NIAGARA RD 3-MAIN ST-PORT COLBORNE**  
**TS: 105**      **and: NIAGARA RD 23-FORKS RD-WELLAND**  
**Regn: CENTRAL**      **Pattern: CTR**      **PDCS: 09**      **Factor: 0.92**  
**LHRS: 32700**      **Offset: 0.500**      **Locn: 0.500 KM N OF HWY 3-NIAGARA RD 3-MAIN ST-PORT COLBORNE**  
**Dir: N**      **Lanes: 2**      **Speed: 50 km/h**      **Dates: 30-May-2018 to 06-Jun-2018**

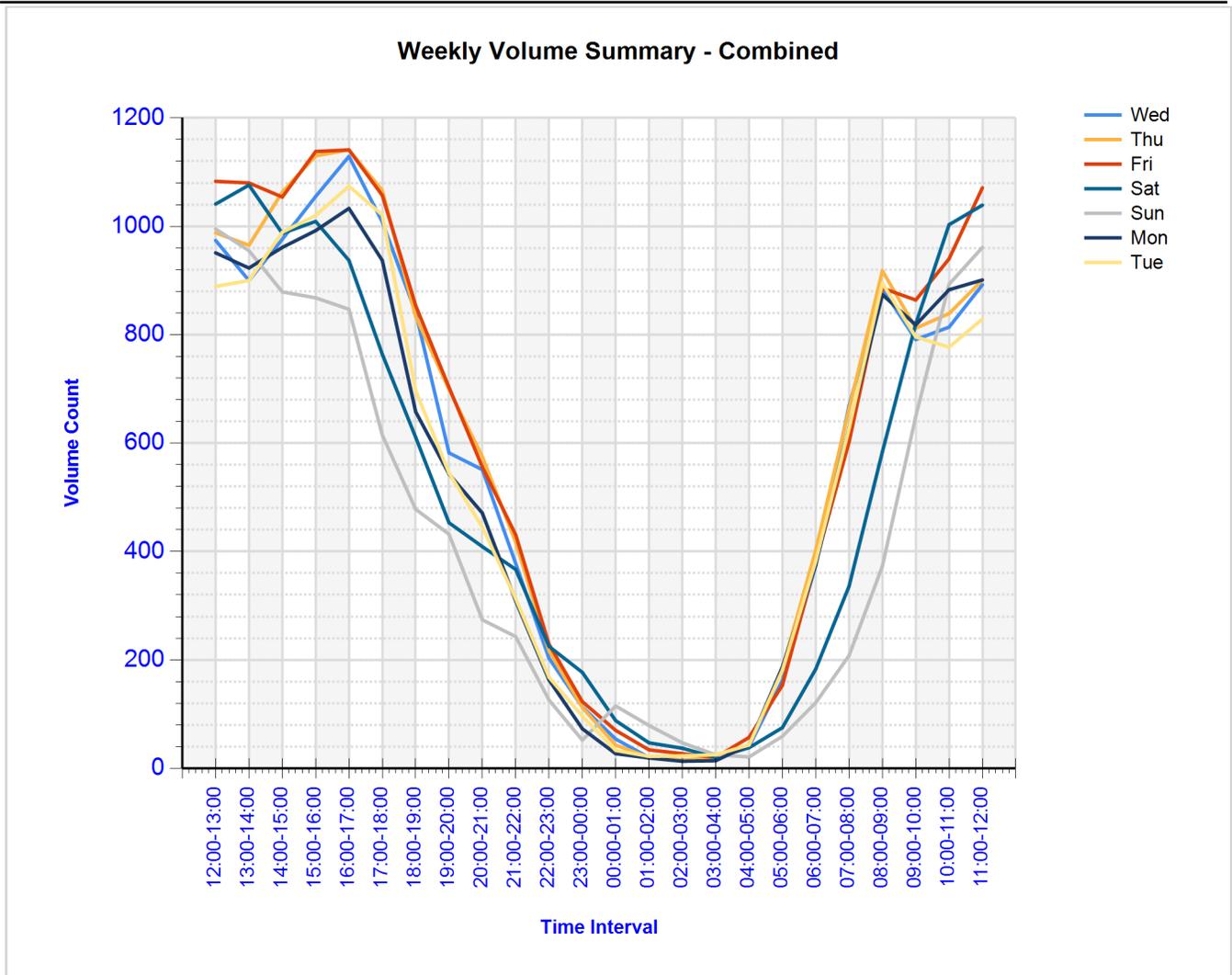
	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed
H. Interval	05/30	05/31	06/01	06/02	06/03	06/04	06/05	06/06
00:00-01:00		17	28	34	41	13	11	17
01:00-02:00		8	16	21	37	7	9	7
02:00-03:00		7	12	17	24	7	11	6
03:00-04:00		11	9	6	7	8	15	9
04:00-05:00		34	39	20	16	34	35	29
05:00-06:00		112	98	36	20	117	107	102
06:00-07:00		251	249	109	71	250	263	248
07:00-08:00		408	355	191	102	397	391	404
08:00-09:00		485	459	363	219	482	499	495
09:00-10:00		430	480	443	351	418	423	418
10:00-11:00		437	458	512	481	471	380	400
11:00-12:00		445	513	490	487	462	413	446
<b>AM Total</b>		<b>2645</b>	<b>2716</b>	<b>2242</b>	<b>1856</b>	<b>2666</b>	<b>2557</b>	<b>2581</b>
12:00-13:00	463	518	506	530	490	464	416	
13:00-14:00	435	455	545	497	464	436	458	
14:00-15:00	470	523	505	471	420	461	452	
15:00-16:00	505	552	546	466	428	488	488	
16:00-17:00	502	486	520	439	399	461	493	
17:00-18:00	420	459	441	349	285	388	413	
18:00-19:00	375	358	386	275	233	284	307	
19:00-20:00	271	330	349	206	219	250	269	
20:00-21:00	283	262	242	200	126	203	194	
21:00-22:00	150	207	160	187	109	105	115	
22:00-23:00	84	96	85	92	60	76	68	
23:00-00:00	48	44	59	81	22	40	32	
<b>PM Total</b>	<b>4006</b>	<b>4290</b>	<b>4344</b>	<b>3793</b>	<b>3255</b>	<b>3656</b>	<b>3705</b>	
<b>24h. Total</b>	<b>4006</b>	<b>6935</b>	<b>7060</b>	<b>6035</b>	<b>5111</b>	<b>6322</b>	<b>6262</b>	<b>2581</b>
<b>Noon - Noon</b>	<b>6651</b>	<b>7006</b>	<b>6586</b>	<b>5649</b>	<b>5921</b>	<b>6213</b>	<b>6286</b>	

**Hwy: 58**      **Between: HWY 3-NIAGARA RD 3-MAIN ST-PORT COLBORNE**  
**TS: 105**      **and: NIAGARA RD 23-FORKS RD-WELLAND**  
**Regn: CENTRAL**      **Pattern: CTR**      **PDCS: 09**      **Factor: 0.92**  
**LHRS: 32700**      **Offset: 0.500**      **Locn: 0.500 KM N OF HWY 3-NIAGARA RD 3-MAIN ST-PORT COLBORNE**  
**Dir: S**      **Lanes: 2**      **Speed: 50 km/h**      **Dates: 30-May-2018 to 06-Jun-2018**

	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed
H. Interval	05/30	05/31	06/01	06/02	06/03	06/04	06/05	06/06
00:00-01:00		26	42	54	74	14	22	37
01:00-02:00		12	18	26	42	12	13	13
02:00-03:00		8	15	20	23	6	12	9
03:00-04:00		9	11	14	18	6	10	8
04:00-05:00		8	18	18	5	9	8	11
05:00-06:00		72	55	39	39	70	74	60
06:00-07:00		151	131	74	50	125	119	126
07:00-08:00		255	247	145	106	232	236	265
08:00-09:00		433	427	221	154	392	396	390
09:00-10:00		382	384	377	298	400	373	373
10:00-11:00		402	482	491	412	412	397	414
11:00-12:00		456	558	549	474	439	416	446
<b>AM Total</b>		<b>2214</b>	<b>2388</b>	<b>2028</b>	<b>1695</b>	<b>2117</b>	<b>2076</b>	<b>2152</b>
12:00-13:00	511	470	577	511	505	487	473	
13:00-14:00	465	510	535	579	491	487	442	
14:00-15:00	506	540	549	516	459	500	537	
15:00-16:00	550	578	592	543	440	504	532	
16:00-17:00	627	655	621	498	448	572	581	
17:00-18:00	588	607	616	415	330	549	608	
18:00-19:00	466	476	468	336	245	374	390	
19:00-20:00	311	369	354	247	213	293	276	
20:00-21:00	268	313	314	209	148	268	251	
21:00-22:00	228	210	271	180	134	204	198	
22:00-23:00	119	121	144	133	66	87	100	
23:00-00:00	65	68	64	96	30	33	64	
<b>PM Total</b>	<b>4704</b>	<b>4917</b>	<b>5105</b>	<b>4263</b>	<b>3509</b>	<b>4358</b>	<b>4452</b>	
<b>24h. Total</b>	<b>4704</b>	<b>7131</b>	<b>7493</b>	<b>6291</b>	<b>5204</b>	<b>6475</b>	<b>6528</b>	<b>2152</b>
<b>Noon - Noon</b>	<b>6918</b>	<b>7305</b>	<b>7133</b>	<b>5958</b>	<b>5626</b>	<b>6434</b>	<b>6604</b>	

**Hwy: 58**      **Between: HWY 3-NIAGARA RD 3-MAIN ST-PORT COLBORNE**  
**TS: 105**      **and: NIAGARA RD 23-FORKS RD-WELLAND**  
**Regn: CENTRAL**      **Pattern: CTR**      **PDCS: 09**      **Factor: 0.92**  
**LHRS: 32700**      **Offset: 0.500**      **Locn: 0.500 KM N OF HWY 3-NIAGARA RD 3-MAIN ST-PORT COLBORNE**  
**Dir: COMBINED**      **Lanes: 4**      **Speed: 50 km/h**      **Dates: 30-May-2018 to 06-Jun-2018**

	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed
H. Interval	05/30	05/31	06/01	06/02	06/03	06/04	06/05	06/06
00:00-01:00		43	70	88	115	27	33	54
01:00-02:00		20	34	47	79	19	22	20
02:00-03:00		15	27	37	47	13	23	15
03:00-04:00		20	20	20	25	14	25	17
04:00-05:00		42	57	38	21	43	43	40
05:00-06:00		184	153	75	59	187	181	162
06:00-07:00		402	380	183	121	375	382	374
07:00-08:00		663	602	336	208	629	627	669
08:00-09:00		918	886	584	373	874	895	885
09:00-10:00		812	864	820	649	818	796	791
10:00-11:00		839	940	1003	893	883	777	814
11:00-12:00		901	1071	1039	961	901	829	892
<b>AM Total</b>		<b>4859</b>	<b>5104</b>	<b>4270</b>	<b>3551</b>	<b>4783</b>	<b>4633</b>	<b>4733</b>
12:00-13:00	974	988	1083	1041	995	951	889	
13:00-14:00	900	965	1080	1076	955	923	900	
14:00-15:00	976	1063	1054	987	879	961	989	
15:00-16:00	1055	1130	1138	1009	868	992	1020	
16:00-17:00	1129	1141	1141	937	847	1033	1074	
17:00-18:00	1008	1066	1057	764	615	937	1021	
18:00-19:00	841	834	854	611	478	658	697	
19:00-20:00	582	699	703	453	432	543	545	
20:00-21:00	551	575	556	409	274	471	445	
21:00-22:00	378	417	431	367	243	309	313	
22:00-23:00	203	217	229	225	126	163	168	
23:00-00:00	113	112	123	177	52	73	96	
<b>PM Total</b>	<b>8710</b>	<b>9207</b>	<b>9449</b>	<b>8056</b>	<b>6764</b>	<b>8014</b>	<b>8157</b>	
<b>24h. Total</b>	<b>8710</b>	<b>14066</b>	<b>14553</b>	<b>12326</b>	<b>10315</b>	<b>12797</b>	<b>12790</b>	<b>4733</b>
<b>Noon - Noon</b>	<b>13569</b>	<b>14311</b>	<b>13719</b>	<b>11607</b>	<b>11547</b>	<b>12647</b>	<b>12890</b>	
<b>ADT</b>	<b>12899</b>	<b>13354</b>	<b>11900</b>	<b>15700</b>	<b>15900</b>	<b>11000</b>	<b>1250</b>	



**Hwy: 58**      **Between: HWY 3-NIAGARA RD 3-MAIN ST-PORT COLBORNE**  
**TS: 105**      **and: NIAGARA RD 23-FORKS RD-WELLAND**  
**Regn: CENTRAL**      **Pattern: CTR**      **PDCS: 09**      **Factor: 1.12**  
**LHRS: 32700**      **Offset: 0.500**      **Locn: 0.500 KM N OF HWY 3-NIAGARA RD 3-MAIN ST-PORT COLBORNE**  
**Dir: N**      **Lanes: 2**      **Speed: 50 km/h**      **Dates: 27-Oct-2018 to 03-Nov-2018**

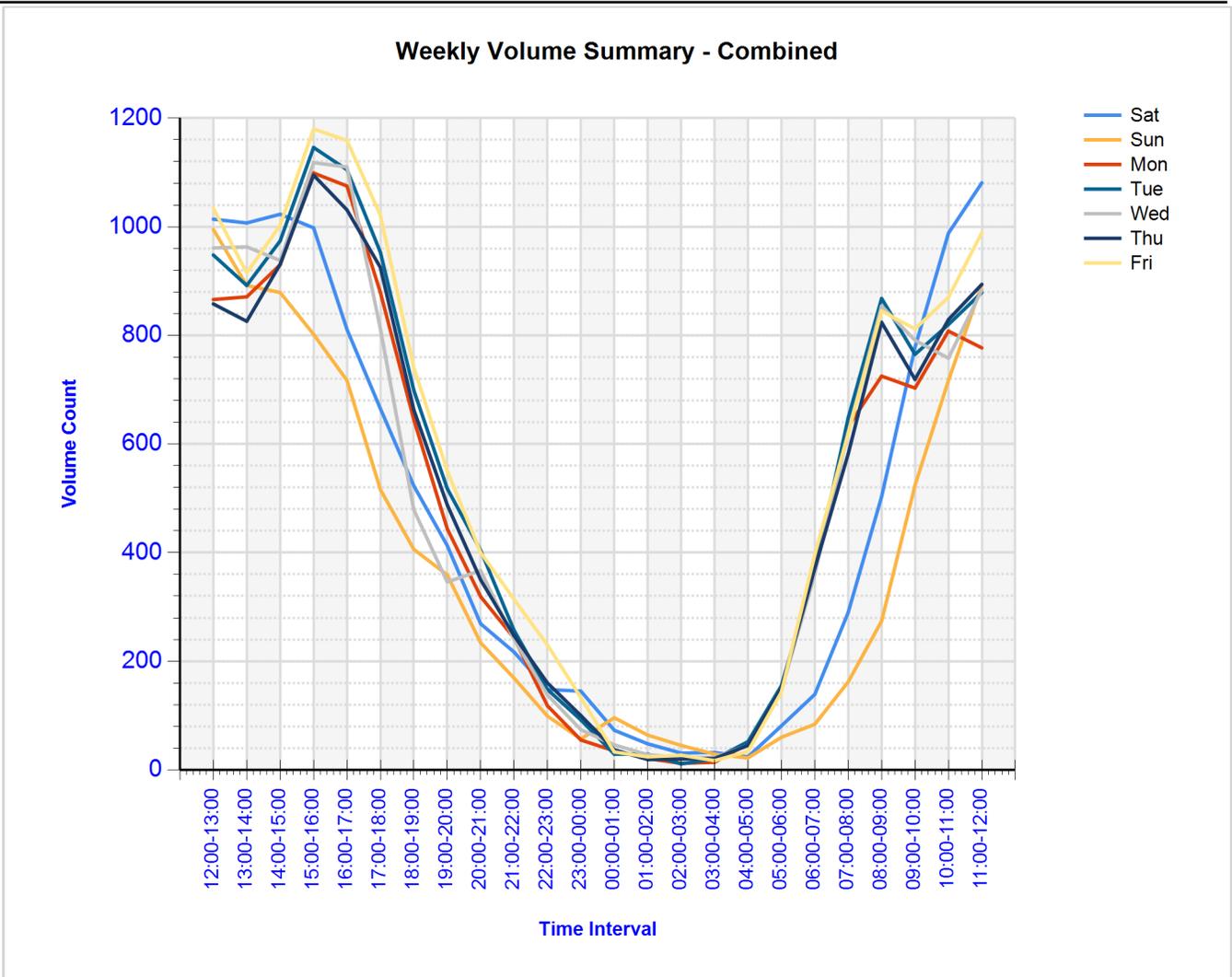
	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat
H. Interval	10/27	10/28	10/29	10/30	10/31	11/01	11/02	11/03
00:00-01:00		43	20	13	14	8	12	22
01:00-02:00		26	8	9	7	7	9	19
02:00-03:00		20	6	6	12	11	11	14
03:00-04:00		14	11	12	13	14	10	14
04:00-05:00		12	39	39	32	30	26	13
05:00-06:00		35	93	102	95	103	97	39
06:00-07:00		45	248	233	240	255	260	84
07:00-08:00		80	390	392	376	354	366	158
08:00-09:00		150	383	479	466	460	464	285
09:00-10:00		288	357	403	429	393	439	424
10:00-11:00		391	411	410	375	422	452	500
11:00-12:00		451	385	425	444	414	484	543
<b>AM Total</b>		<b>1555</b>	<b>2351</b>	<b>2523</b>	<b>2503</b>	<b>2471</b>	<b>2630</b>	<b>2115</b>
12:00-13:00	502	493	426	469	487	432	496	
13:00-14:00	493	432	438	423	476	385	423	
14:00-15:00	479	442	475	499	456	451	484	
15:00-16:00	426	366	522	540	526	528	534	
16:00-17:00	368	330	415	494	485	443	462	
17:00-18:00	279	235	359	359	311	404	437	
18:00-19:00	241	189	277	319	207	303	326	
19:00-20:00	199	193	200	252	135	213	244	
20:00-21:00	131	101	142	190	156	147	171	
21:00-22:00	98	75	94	97	91	97	134	
22:00-23:00	71	44	46	63	62	66	103	
23:00-00:00	58	23	19	40	35	33	51	
<b>PM Total</b>	<b>3345</b>	<b>2923</b>	<b>3413</b>	<b>3745</b>	<b>3427</b>	<b>3502</b>	<b>3865</b>	
<b>24h. Total</b>	<b>3345</b>	<b>4478</b>	<b>5764</b>	<b>6268</b>	<b>5930</b>	<b>5973</b>	<b>6495</b>	<b>2115</b>
<b>Noon - Noon</b>	<b>4900</b>	<b>5274</b>	<b>5936</b>	<b>6248</b>	<b>5898</b>	<b>6132</b>	<b>5980</b>	

**Hwy: 58**      **Between: HWY 3-NIAGARA RD 3-MAIN ST-PORT COLBORNE**  
**TS: 105**      **and: NIAGARA RD 23-FORKS RD-WELLAND**  
**Regn: CENTRAL**      **Pattern: CTR**      **PDCS: 09**      **Factor: 1.12**  
**LHRS: 32700**      **Offset: 0.500**      **Locn: 0.500 KM N OF HWY 3-NIAGARA RD 3-MAIN ST-PORT COLBORNE**  
**Dir: S**      **Lanes: 2**      **Speed: 50 km/h**      **Dates: 27-Oct-2018 to 03-Nov-2018**

	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat
H. Interval	10/27	10/28	10/29	10/30	10/31	11/01	11/02	11/03
00:00-01:00		53	15	16	32	29	21	51
01:00-02:00		38	13	20	21	12	15	29
02:00-03:00		25	6	5	11	9	16	17
03:00-04:00		15	3	8	10	7	7	18
04:00-05:00		10	9	13	13	15	8	11
05:00-06:00		25	56	53	51	47	46	42
06:00-07:00		39	126	132	121	116	136	55
07:00-08:00		82	242	256	245	228	254	132
08:00-09:00		124	342	389	388	364	381	218
09:00-10:00		236	346	362	362	326	373	354
10:00-11:00		326	397	410	383	407	418	488
11:00-12:00		442	392	454	440	480	505	538
<b>AM Total</b>		<b>1415</b>	<b>1947</b>	<b>2118</b>	<b>2077</b>	<b>2040</b>	<b>2180</b>	<b>1953</b>
12:00-13:00	512	502	440	479	474	426	538	
13:00-14:00	514	460	433	469	487	441	492	
14:00-15:00	544	437	455	475	482	480	519	
15:00-16:00	572	436	577	606	592	567	646	
16:00-17:00	443	387	660	611	625	588	697	
17:00-18:00	386	281	520	594	501	521	584	
18:00-19:00	282	217	368	380	272	360	415	
19:00-20:00	214	166	244	266	211	275	307	
20:00-21:00	138	133	177	214	211	203	229	
21:00-22:00	119	94	149	160	149	150	180	
22:00-23:00	77	55	72	85	76	94	127	
23:00-00:00	87	34	36	52	39	67	82	
<b>PM Total</b>	<b>3888</b>	<b>3202</b>	<b>4131</b>	<b>4391</b>	<b>4119</b>	<b>4172</b>	<b>4816</b>	
<b>24h. Total</b>	<b>3888</b>	<b>4617</b>	<b>6078</b>	<b>6509</b>	<b>6196</b>	<b>6212</b>	<b>6996</b>	<b>1953</b>
<b>Noon - Noon</b>	<b>5303</b>	<b>5149</b>	<b>6249</b>	<b>6468</b>	<b>6159</b>	<b>6352</b>	<b>6769</b>	

**Hwy: 58**      **Between: HWY 3-NIAGARA RD 3-MAIN ST-PORT COLBORNE**  
**TS: 105**      **and: NIAGARA RD 23-FORKS RD-WELLAND**  
**Regn: CENTRAL**      **Pattern: CTR**      **PDCS: 09**      **Factor: 1.12**  
**LHRS: 32700**      **Offset: 0.500**      **Locn: 0.500 KM N OF HWY 3-NIAGARA RD 3-MAIN ST-PORT COLBORNE**  
**Dir: COMBINED**      **Lanes: 4**      **Speed: 50 km/h**      **Dates: 27-Oct-2018 to 03-Nov-2018**

	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat
H. Interval	10/27	10/28	10/29	10/30	10/31	11/01	11/02	11/03
00:00-01:00		96	35	29	46	37	33	73
01:00-02:00		64	21	29	28	19	24	48
02:00-03:00		45	12	11	23	20	27	31
03:00-04:00		29	14	20	23	21	17	32
04:00-05:00		22	48	52	45	45	34	24
05:00-06:00		60	149	155	146	150	143	81
06:00-07:00		84	374	365	361	371	396	139
07:00-08:00		162	632	648	621	582	620	290
08:00-09:00		274	725	868	854	824	845	503
09:00-10:00		524	703	765	791	719	812	778
10:00-11:00		717	808	820	758	829	870	988
11:00-12:00		893	777	879	884	894	989	1081
<b>AM Total</b>		<b>2970</b>	<b>4298</b>	<b>4641</b>	<b>4580</b>	<b>4511</b>	<b>4810</b>	<b>4068</b>
12:00-13:00	1014	995	866	948	961	858	1034	
13:00-14:00	1007	892	871	892	963	826	915	
14:00-15:00	1023	879	930	974	938	931	1003	
15:00-16:00	998	802	1099	1146	1118	1095	1180	
16:00-17:00	811	717	1075	1105	1110	1031	1159	
17:00-18:00	665	516	879	953	812	925	1021	
18:00-19:00	523	406	645	699	479	663	741	
19:00-20:00	413	359	444	518	346	488	551	
20:00-21:00	269	234	319	404	367	350	400	
21:00-22:00	217	169	243	257	240	247	314	
22:00-23:00	148	99	118	148	138	160	230	
23:00-00:00	145	57	55	92	74	100	133	
<b>PM Total</b>	<b>7233</b>	<b>6125</b>	<b>7544</b>	<b>8136</b>	<b>7546</b>	<b>7674</b>	<b>8681</b>	
<b>24h. Total</b>	<b>7233</b>	<b>9095</b>	<b>11842</b>	<b>12777</b>	<b>12126</b>	<b>12185</b>	<b>13491</b>	<b>4068</b>
<b>Noon - Noon</b>	<b>10203</b>	<b>10423</b>	<b>12185</b>	<b>12716</b>	<b>12057</b>	<b>12484</b>	<b>12749</b>	
<b>ADT</b>	<b>11831</b>	<b>12360</b>	<b>13300</b>	<b>14400</b>	<b>14600</b>	<b>10100</b>	<b>1150</b>	



## Brett Lipson

---

**From:** Du, Shuming (MTO) <Shuming.Du@ontario.ca>  
**Sent:** February 24, 2022 4:08 PM  
**To:** Brett Lipson  
**Cc:** John Emeljanow; Tai, Arthur (MTO)  
**Subject:** RE: Traffic Data Request (VCL File: 1220003)

**Follow Up Flag:** Follow up  
**Flag Status:** Completed

Hi Brett,

Thank you for sharing the info. In response to your request please find below the information available from this office for Hwy 58 near Barrick Road:

- Highway 58 near Barrick Rd:

2016 AADT:	9150
2016 SADT:	9370
Number of Lanes:	4
Ultimate 2042 AADT:	11900
Ultimate 2042 SADT:	12100
Ultimate Number of Lanes:	4
Posted Speed:	80 km/h
Percentage of Trucks:	6%

Please note that the above information is estimated based upon our current knowledge of the area, which may be subject to change in the future. Other information related to hourly counts etc. may be available from other office.

Please feel free to send traffic data requests to me and copy Arthur as well in the future.

Thank you

Regards

Shuming

---

**From:** Brett Lipson <bลิปson@valcoustics.com>  
**Sent:** February 24, 2022 2:02 PM  
**To:** Du, Shuming (MTO) <Shuming.Du@ontario.ca>  
**Cc:** John Emeljanow <john@valcoustics.com>; Tai, Arthur (MTO) <Arthur.Tai@ontario.ca>  
**Subject:** RE: Traffic Data Request (VCL File: 1220003)

**CAUTION -- EXTERNAL E-MAIL - Do not click links or open attachments unless you recognize the sender.**

Hi Shuming,

Niagara Region requires we assess the condition for 20-years in the future, which in this case is 2042. If 2041 is all you have data for then that should fine.

As an aside, have the contacts for traffic data changed for MTO? In the past I have ordered data from Zach Wang (who took over from Riccardo), Arthur Tai and Ahsan Alam. Is the ultimate traffic projection contact different from the current hourly-count contact?

Thanks,

Brett Lipson, M.Eng., EIT



30 Wertheim Court, Unit 25  
Richmond Hill, Ontario  
Canada L4B 1B9  
Tel: 905-764-5223 ext. 249  
Fax: 905-764-6813  
[solutions@valcoustics.com](mailto:solutions@valcoustics.com)

---

**From:** Du, Shuming (MTO) <[Shuming.Du@ontario.ca](mailto:Shuming.Du@ontario.ca)>  
**Sent:** February 24, 2022 1:51 PM  
**To:** Brett Lipson <[blipson@valcoustics.com](mailto:blipson@valcoustics.com)>  
**Cc:** John Emeljanow <[john@valcoustics.com](mailto:john@valcoustics.com)>; Tai, Arthur (MTO) <[Arthur.Tai@ontario.ca](mailto:Arthur.Tai@ontario.ca)>  
**Subject:** RE: Traffic Data Request (VCL File: 1220003)

Hi Brett,

Thank you for your email. We have estimated the data for 2041 as the ultimate year. Could you confirm if 2041 should be used as the ultimate year? Or could you share what year the development will be completed?

Once the construction completion year for this development is shared, we will get back to you with results in 1-2 days.

Thank you  
Regards  
Shuming

---

**From:** Brett Lipson <[blipson@valcoustics.com](mailto:blipson@valcoustics.com)>  
**Sent:** February 24, 2022 9:14 AM  
**To:** Wang, Zach (MTO) <[Zach.Wang@ontario.ca](mailto:Zach.Wang@ontario.ca)>; Alam, Ahsan (MTO) <[Ahsan.Alam@ontario.ca](mailto:Ahsan.Alam@ontario.ca)>; Tai, Arthur (MTO) <[Arthur.Tai@ontario.ca](mailto:Arthur.Tai@ontario.ca)>; Du, Shuming (MTO) <[Shuming.Du@ontario.ca](mailto:Shuming.Du@ontario.ca)>  
**Cc:** John Emeljanow <[john@valcoustics.com](mailto:john@valcoustics.com)>  
**Subject:** RE: Traffic Data Request (VCL File: 1220003)

**CAUTION -- EXTERNAL E-MAIL - Do not click links or open attachments unless you recognize the sender.**

Good Morning,

I am just following up on the below traffic data request.

Thank you,

Brett Lipson, M.Eng., EIT



30 Wertheim Court, Unit 25  
Richmond Hill, Ontario  
Canada L4B 1B9  
Tel: 905-764-5223 ext. 249  
Fax: 905-764-6813  
[solutions@valcoustics.com](mailto:solutions@valcoustics.com)

---

**From:** Brett Lipson  
**Sent:** January 25, 2022 6:02 PM  
**To:** Wang, Zach (MTO) <[Zach.Wang@ontario.ca](mailto:Zach.Wang@ontario.ca)>; Alam, Ahsan (MTO <[Ahsan.Alam@ontario.ca](mailto:Ahsan.Alam@ontario.ca)>; Tai, Arthur (MTO) <[Arthur.Tai@ontario.ca](mailto:Arthur.Tai@ontario.ca)>  
**Cc:** John Emeljanow ([john@valcoustics.com](mailto:john@valcoustics.com)) <[john@valcoustics.com](mailto:john@valcoustics.com)>  
**Subject:** Traffic Data Request (VCL File: 1220003)

Good Afternoon,

We are currently working on a noise report for a development located southwest of the intersection of West Side Road (Highway 58) and Barrick Road in Port Colborne (see attached image). We are looking for both ultimate traffic data and hourly counts for West Side Road (Highway 58), south of Barrick Road. Please let us know what is available.

Thanks you,

Brett Lipson, M.Eng., EIT



30 Wertheim Court, Unit 25  
Richmond Hill, Ontario  
Canada L4B 1B9  
Tel: 905-764-5223 ext. 249  
Fax: 905-764-6813  
[solutions@valcoustics.com](mailto:solutions@valcoustics.com)

# **APPENDIX B**

## **ENVIRONMENTAL NOISE GUIDELINES**

**APPENDIX B**

**ENVIRONMENTAL NOISE GUIDELINES**

**MINISTRY OF THE ENVIRONMENT, CONSERVATION AND PARKS (MECP)**

Reference: MECP Publication NPC-300, October 2013: “*Environmental Noise Guideline, Stationary and Transportation Source – Approval and Planning*”.

SPACE	SOURCE	TIME PERIOD	CRITERION
Living/dining, den areas of residences, hospitals, nursing homes, schools, daycare centres, etc.	Road	07:00 to 23:00	45 dBA
	Rail	07:00 to 23:00	40 dBA
	Aircraft	24-hour period	NEF/NEP 5
Living/dining, den areas of residences, hospitals, nursing homes, etc. (except schools or daycare centres)	Road	23:00 to 07:00	45 dBA
	Rail	23:00 to 07:00	40 dBA
	Aircraft	24-hour period	NEF/NEP 5
Sleeping quarters	Road	07:00 to 23:00	45 dBA
	Rail	07:00 to 23:00	40 dBA
	Aircraft	24-hour period	NEF/NEP 0
Sleeping quarters	Road	23:00 to 07:00	40 dBA
	Rail	23:00 to 07:00	35 dBA
	Aircraft	24-hour period	NEF/NEP 0
Outdoor Living Areas	Road and Rail	07:00 to 23:00	55 dBA
Outdoor Point of Reception	Aircraft	24-hour period	NEF/NEP 30 <sup>#</sup>
	Stationary Source		
	Class 1 Area	07:00 to 19:00 <sup>(1)</sup>	50* dBA
		19:00 to 23:00 <sup>(1)</sup>	50* dBA
	Class 2 Area	07:00 to 19:00 <sup>(2)</sup>	50* dBA
		19:00 to 23:00 <sup>(2)</sup>	45* dBA
	Class 3 Area	07:00 to 19:00 <sup>(3)</sup>	45* dBA
	19:00 to 23:00 <sup>(3)</sup>	40* dBA	
Class 4 Area	07:00 to 19:00 <sup>(4)</sup>	55* dBA	
	19:00 to 23:00 <sup>(4)</sup>	55* dBA	

SPACE	SOURCE	TIME PERIOD	CRITERION
Plane of a Window of Noise Sensitive Spaces	Stationary Source Class 1 Area	07:00 to 19:00 <sup>(1)</sup>	50* dBA
		19:00 to 23:00 <sup>(1)</sup>	50* dBA
		23:00 to 07:00 <sup>(1)</sup>	45* dBA
	Class 2 Area	07:00 to 19:00 <sup>(2)</sup>	50* dBA
		19:00 to 23:00 <sup>(2)</sup>	50* dBA
		23:00 to 07:00 <sup>(2)</sup>	45* dBA
	Class 3 Area	07:00 to 19:00 <sup>(3)</sup>	45* dBA
		19:00 to 23:00 <sup>(3)</sup>	45* dBA
		23:00 to 07:00 <sup>(3)</sup>	40* dBA
	Class 4 Area	07:00 to 19:00 <sup>(4)</sup>	60* dBA
		19:00 to 23:00 <sup>(4)</sup>	60* dBA
		23:00 to 07:00 <sup>(4)</sup>	55* dBA

- # may not apply to in-fill or re-development.  
 \* or the minimum hourly background sound exposure  $L_{eq(1)}$ , due to road traffic, if higher.  
 (1) Class 1 Area: Urban.  
 (2) Class 2 Area: Urban during day; rural-like evening and night.  
 (3) Class 3 Area: Rural.  
 (4) Class 4 Area: Subject to land use planning authority's approval.

Reference: MECP Publication ISBN 0-7729-2804-5, 1987: "Environmental Noise Assessment in Land-Use Planning".

EXCESS ABOVE RECOMMENDED SOUND LEVEL LIMITS (dBA)	CHANGE IN SUBJECTIVE LOUDNESS ABOVE	MAGNITUDE OF THE NOISE PROBLEM	NOISE CONTROL MEASURES (OR ACTION TO BE TAKEN)
No excess (<55 dBA)	—	No expected noise problem	None
1 to 5 inclusive (56 to 60 dBA)	Noticeably louder	Slight noise impact	If no physical measures are taken, then prospective purchasers or tenants should be made aware by suitable warning clauses.
6 to 10 inclusive (61 - 65 dBA)	Almost twice as loud	Definite noise impact	Recommended.
11 to 15 inclusive (66 - 70 dBA)	Almost three times as loud	Serious noise impact	Strongly Recommended.
16 and over (>70 dBA)	Almost four times as loud	Very serious noise impact	Strongly Recommended (may be mandatory).

# **APPENDIX C**

## **SAMPLE TRANSPORTATION NOISE CALCULATION**

STAMSON 5.04                    NORMAL REPORT                    Date: 21-06-2022 16:30:19  
MINISTRY OF ENVIRONMENT, CONSERVATION AND PARKS/ NOISE ASSESSMENT

Filename: 1\_ef.te                    Time Period: Day/Night 16/8 hours  
Description: **Lot 1 - East Facade**

Road data, segment # 1: Hwy 58 (day/night)

-----  
Car traffic volume : 22313/1424    veh/TimePeriod \*  
Medium truck volume :    356/23        veh/TimePeriod \*  
Heavy truck volume :    1068/68        veh/TimePeriod \*  
Posted speed limit :        80 km/h  
Road gradient        :        0 %  
Road pavement        :        1 (Typical asphalt or concrete)

\* Refers to calculated road volumes based on the following input:

24 hr Traffic Volume (AADT or SADT): 15700  
Percentage of Annual Growth        : 2.00  
Number of Years of Growth         : 24.00  
Medium Truck % of Total Volume    : 1.50  
Heavy Truck % of Total Volume     : 4.50  
Day (16 hrs) % of Total Volume    : 94.00

Data for Segment # 1: Hwy 58 (day/night)

-----  
Angle1    Angle2                : -90.00 deg    90.00 deg  
Wood depth                    :        0        (No woods.)  
No of house rows              :        0 / 0  
Surface                        :        1        (Absorptive ground surface)  
Receiver source distance      : 21.00 / 21.00 m  
Receiver height                :    4.50 / 4.50 m  
Topography                    :        1        (Flat/gentle slope; no barrier)  
Reference angle                :        0.00

Results segment # 1: Hwy 58 (day)

-----  
Source height = 1.46 m

ROAD (0.00 + 70.12 + 0.00) = 70.12 dBA

Angle1	Angle2	Alpha	RefLeq	P.Adj	D.Adj	F.Adj	W.Adj	H.Adj	B.Adj	SubLeq
-90	90	0.57	73.72	0.00	-2.30	-1.30	0.00	0.00	0.00	70.12

-----  
Segment Leq : 70.12 dBA

Total Leq All Segments: 70.12 dBA

Results segment # 1: Hwy 58 (night)

-----  
Source height = 1.46 m

ROAD (0.00 + 61.18 + 0.00) = 61.18 dBA

Angle1	Angle2	Alpha	RefLeq	P.Adj	D.Adj	F.Adj	W.Adj	H.Adj	B.Adj	SubLeq
-90	90	0.57	64.78	0.00	-2.30	-1.30	0.00	0.00	0.00	61.18

-----

Segment Leq : 61.18 dBA

Total Leq All Segments: 61.18 dBA

TOTAL Leq FROM ALL SOURCES (DAY): 70.12  
(NIGHT): 61.18

# **APPENDIX D**

## **SAMPLE STATIONARY NOISE CALCULATION**



Name	M.	ID	Result. PWL			Lw / Li			Correction			Sound Reduction		Attenuation	Operating Time			K0	Freq.	Direct.	Height	Coordinates				
			Day	Evening	Night	Type	Value	norm.	Day	Evening	Night	R	Area		Day	Special	Night					X	Y	Z		
			(dBA)	(dBA)	(dBA)		(dBA)	(dBA)	(dBA)		(m <sup>2</sup> )	(min)	(min)	(min)	(dB)	(Hz)	(m)	(m)	(m)							
York D7CG060		RTU22	76.7	76.7	76.7	Lw	DCG060			0.0	0.0	0.0					60.00	60.00	30.00	0.0	(none)	1.40	g	17641501.38	4751690.42	6.50
York DF072		RTU23	76.7	76.7	76.7	Lw	DF072			0.0	0.0	0.0					60.00	60.00	30.00	0.0	(none)	1.40	g	17641487.42	4751701.10	6.50
York AV15N3CP		RTU24	85.3	85.3	85.3	Lw	AV15			0.0	0.0	0.0					60.00	60.00	30.00	0.0	(none)	1.50	g	17641489.63	4751710.00	6.60
Carrier 48LJE004		RTU25	77.5	77.5	77.5	Lw	RTU18			0.0	0.0	0.0					60.00	60.00	30.00	0.0	(none)	1.00	g	17641500.61	4751700.81	6.10
York ZJ090		RTU26	89.6	89.6	89.6	Lw	ZJ090			0.0	0.0	0.0					60.00	60.00	30.00	0.0	(none)	1.50	g	17641500.19	4751705.48	6.60
York AV15N3CP		RTU27	85.3	85.3	85.3	Lw	AV15			0.0	0.0	0.0					60.00	60.00	30.00	0.0	(none)	1.50	g	17641499.92	4751718.98	6.60
York DJ060		RTU28	76.7	76.7	76.7	Lw	DJ060			0.0	0.0	0.0					60.00	60.00	30.00	0.0	(none)	1.10	g	17641511.37	4751703.30	6.70
York ZE060		RTU29	81.1	81.1	81.1	Lw	ZE060			0.0	0.0	0.0					60.00	60.00	30.00	0.0	(none)	1.10	g	17641512.23	4751686.89	6.70
York DH090		RTU30	84.3	84.3	84.3	Lw	DM_DH090			0.0	0.0	0.0					60.00	60.00	30.00	0.0	(none)	1.70	g	17641520.60	4751679.62	7.70
Carrier 48TJE004		RTU31	77.5	77.5	77.5	Lw	RTU18			0.0	0.0	0.0					60.00	60.00	30.00	0.0	(none)	0.90	g	17641515.24	4751674.66	6.90
ICP RGW060		RTU32	76.7	76.7	76.7	Lw	RGW060			0.0	0.0	0.0					60.00	60.00	30.00	0.0	(none)	1.20	g	17641511.19	4751622.98	7.20
Carrier 48TCEA06		RTU33	77.7	77.7	77.7	Lw	TCEA06			0.0	0.0	0.0					60.00	60.00	30.00	0.0	(none)	1.00	g	17641511.32	4751617.40	7.00
Mitsubishi PUY-A24		RTU34	54.8	54.8	54.8	Lw	PUYA24			0.0	0.0	0.0					60.00	60.00	60.00	0.0	(none)	0.90	g	17641507.65	4751618.15	6.90
Truck Refer Unit		TrkRef_Idle	100.6	100.6	100.6	Lw	HTrk_Refer			0.0	0.0	0.0					60.00	0.00	0.00	0.0	(none)	3.50	r	17641480.61	4751620.46	3.11

Line Sources

Name	M.	ID	Result. PWL			Result. PWL'			Lw / Li			Correction			Sound Reduction	Attenuation	Operating Time			K0	Freq.	Direct.	Moving Pt. Src				
			Day	Evening	Night	Day	Evening	Night	Type	Value	norm.	Day	Evening	Night			R	Area	Day				Special	Night	Day	Evening	Night
			(dBA)	(dBA)	(dBA)	(dBA)	(dBA)	(dBA)	(dBA)		(dBA)	(dBA)	(dBA)	(dBA)	(m <sup>2</sup> )	(min)	(min)	(min)	(dB)	(Hz)	(none)	(none)	(none)	Day	Evening	Night	(km/h)
Sobeys Truck Refer Movement		TrkRef_Mov_Sobeys	87.5	-18.5	-18.5	63.6	-42.4	-42.4	PWL-Pt	HTrk_Refer	0.0	0.0	0.0							0.0	(none)	(none)	4.0	0.0	0.0	20.0	
Dollarama Truck Movement		Trk_Mov_Dollarama	89.4	-10.6	-10.6	63.1	-36.9	-36.9	PWL-Pt	Heavy_20kph	0.0	0.0	0.0							0.0	(none)	(none)	1.0	0.0	0.0	20.0	
Sobeys Truck Movement		Trk_Mov_Sobeys	94.7	-13.1	-13.1	70.9	-36.9	-36.9	PWL-Pt	Heavy_20kph	0.0	0.0	0.0							0.0	(none)	(none)	6.0	0.0	0.0	20.0	
Canadian Tire Truck Movement		Trk_Mov_CT	86.2	-16.8	-16.8	66.1	-36.9	-36.9	PWL-Pt	Heavy_20kph	0.0	0.0	0.0							0.0	(none)	(none)	2.0	0.0	0.0	20.0	
Canadian Tire Medium Truck Movement		TrkM_Mov_CT	75.8	-27.2	-27.2	60.9	-42.1	-42.1	PWL-Pt	Med_15kph	0.0	0.0	0.0							0.0	(none)	(none)	2.0	0.0	0.0	15.0	

Area Sources

Name	M.	ID	Result. PWL			Result. PWL"			Lw / Li			Correction			Sound Reduction	Attenuation	Operating Time			K0	Freq.	Direct.	Moving Pt. Src				
			Day	Evening	Night	Day	Evening	Night	Type	Value	norm.	Day	Evening	Night			R	Area	Day				Special	Night	Day	Evening	Night
			(dBA)	(dBA)	(dBA)	(dBA)	(dBA)	(dBA)	(dBA)		(dBA)	(dBA)	(dBA)	(dBA)	(m <sup>2</sup> )	(min)	(min)	(min)	(dB)	(Hz)	(none)	(none)	(none)	Day	Evening	Night	
Forklift Movements		CT_FL1	99.9	99.9	99.9	68.7	68.7	68.7	Lw	FL	0.0	0.0	0.0							10.00	0.00	0.00	0.0	(none)			
Forklift Movements		CT_FL2	99.9	99.9	99.9	70.4	70.4	70.4	Lw	FL	0.0	0.0	0.0							60.00	0.00	0.00	0.0	(none)			

Sound Level Library

Name	ID	Type	Weight	Octave Spectrum (dB)											Source
				31.5	63	125	250	500	1000	2000	4000	8000	A	lin	
Carrier 48TCFD24	RTU3	Lw		86.9	94.5	85.0	80.6	82.1	80.3	81.3	75.0	69.4	86.4	96.2	2022-04-05 VCL Measurements
Carrier 48TCED12	RTU2	Lw		74.5	85.2	79.0	75.4	75.6	74.3	69.1	63.7	60.0	78.2	87.4	2022-04-05 VCL Measurements
Carrier 48TCED08	RTU7	Lw		80.2	81.3	76.2	70.7	68.7	66.6	61.7	57.8	54.8	71.5	84.9	2022-04-05 VCL Measurements
Carrier 48TCEA07	RTU6	Lw		75.6	82.2	77.8	72.2	72.8	72.7	71.0	69.8	66.3	78.1	85.4	2022-04-05 VCL Measurements
Carrier 48TCFD20	RTU21	Lw		79.8	86.6	80.7	81.4	84.7	81.6	71.8	73.0	70.8	85.6	91.1	2022-04-05 VCL Measurements
Carrier 48TJE004	RTU18	Lw		72.3	80.7	83.7	76.4	76.2	71.6	67.1	63.2	59.5	77.5	86.8	2022-04-05 VCL Measurements
CentriMaster P10D3	EF2	Lw			50.5	53.8	54.9	47.1	46.6	43.3	40.9	37.6	52.2	59.0	Product Data
Greenheck G-095	EF8	Lw		69.8	73.0	73.9	71.1	73.6	67.6	64.3	57.3	51.3	73.7	80.0	2022-04-05 VCL Measurements
General Carnes Exhaust Fan	VEBK08	Lw			67.0	75.0	71.0	65.0	65.0	62.0	60.0	57.0	70.4	77.7	Product Data
Cond 1 (8/10 fans, louder side) @2.9m	COND1	Lw		89.0	106.3	100.5	94.8	93.2	88.0	82.4	76.6	75.2	94.4	107.9	2022-04-05 VCL Measurements
Cond 2 (3/3 fans) @1.1m	COND2	Lw		86.7	92.1	87.4	79.8	77.2	75.1	69.2	63.2	58.1	80.1	94.5	2022-04-05 VCL Measurements
Carrier 48TJE007	RTU19	Lw		75.1	83.7	85.0	80.9	79.4	78.4	75.4	72.2	70.8	83.3	89.7	2022-04-05 VCL Measurements
Carrier 48TCEA04	TCEA04	Lw			90.6	80.9	80.2	76.0	74.6	71.3	68.5	63.9	79.9	91.7	Product Data
Carrier 48TCEA06	TCEA06	Lw			84.0	82.2	76.3	74.8	72.5	68.8	65.6	61.8	77.7	87.2	Product Data
Lennox LGH072	LGH072	Lw			90.2	83.1	80.6	80.2	76.0	71.8	67.0	62.1	81.5	91.9	Product Data (A Weight removed)
Lennox KGA092	KGA092	Lw			89.2	92.1	87.6	87.2	83.0	77.8	72.0	67.1	88.3	95.8	Product Data (A Weight removed)
Lennox GCS16-653	GCS16_653	Lw				91.0	79.0	77.0	74.0	68.0	60.0	57.0	80.0	91.5	Product Data for GCS16-060 (5 tonne model)
ICP RGW060	RGW060	Lw			87.5	82.5	76.1	73.6	71.3	67.1	64.1	60.0	76.7	89.2	Product Data (For RGX Model)
York DM090 or DH090	DM_DH090	Lw			88.0	84.5	82.0	82.5	79.5	75.0	71.5	66.5	84.3	91.4	Product Data (spectrum from DF072)
York DJ036	DJ036	Lw			84.0	84.0	74.0	67.0	69.0	62.0	57.0	52.0	73.7	87.3	Product data for DCE036
York DJ048	DJ048	Lw			85.0	85.0	75.0	68.0	70.0	63.0	58.0	53.0	74.7	88.3	Product data for DCE048
York DJ060	DJ060	Lw			87.0	87.0	77.0	70.0	72.0	65.0	60.0	55.0	76.7	90.3	Product data for DCE060
York DCG060	DCG060	Lw			87.0	87.0	77.0	70.0	72.0	65.0	60.0	55.0	76.7	90.3	Product Data
York DF072	DF072	Lw			87.0	87.0	77.0	70.0	72.0	65.0	60.0	55.0	76.7	90.3	Product Data
York AV15	AV15	Lw			89.0	85.5	83.0	83.5	80.5	76.0	72.5	67.5	85.3	92.4	Product Data

Name	ID	Type	Octave Spectrum (dB)												Source
			Weight.	31.5	63	125	250	500	1000	2000	4000	8000	A	lin	
York ZF072	ZF072	Lw				84.0	85.0	79.0	80.0	72.0	67.5	62.5	83.4	88.9	Product Data
York ZJ090	ZJ090	Lw			90.0	93.0	90.5	86.0	83.5	81.5	78.0	75.0	89.6	97.0	Product Data
York ZE060	ZE060	Lw			86.5	87.5	81.5	77.5	75.0	71.5	68.0	70.5	81.1	91.0	Product Data
Mitsubishi PUYA24	PUYA24	Lw			59.8	57.0	55.2	52.0	50.0	46.0	39.0	32.5	54.8	63.2	Product Data
Gas bar/car wash air pump	AirPump	Lw		63.0	81.3	72.6	68.7	77.3	74.4	63.6	61.7	62.7	77.9	84.0	VCL Database
Impact Gun	IG	Lw		74.8	70.2	67.2	68.8	74.2	84.7	80.6	81.1	83.4	89.0	89.2	2022-04-05 VCL Measurements
Grinder	GRINDER	Lw		74.3	75.8	71.6	71.3	71.8	89.5	81.0	78.2	81.2	91.0	91.2	2022-04-05 VCL Measurements
Heavy truck movement - 20 kph	Heavy_20kph	Lw			111.8	110.3	106.4	102.6	99.7	97.7	95.6	92.1	106.1	115.3	VCL Database
Heavy Idling Truck	HTrk_Idle	Lw			100.7	98.7	94.1	96.1	96.3	93.4	87.0	87.1	100.3	105.2	VCL Database
Heavy Refrigeration Unit	HTrk_Refer	Lw			115.2	104.2	101.2	97.1	94.0	92.4	88.0	80.1	100.6	115.8	VCL Database
Medium truck movement - 15 kph	Med_15kph	Lw			112.0	105.4	99.5	96.0	93.8	91.1	87.0	82.4	99.7	113.3	VCL Database
Medium Truck Idle	MdTrkIdling	Lw			93.9	93.6	89.0	88.8	88.1	84.0	76.6	70.5	92.0	98.6	VCL measurement 60 dB at 15 m
Forklift Movement	FL	Lw		90.2	97.1	95.1	96.2	98.3	95.2	92.4	82.9	77.9	99.9	104.1	2022-04-05 VCL Measurements
Heavy truck movement - 15 kph	Hvy_Trk	Lw			112.0	110.5	106.5	102.3	99.2	97.5	95.7	92.3	105.9	115.5	VCL Database

## Calculation Configuration

Configuration	
Parameter	Value
General	
Country	(user defined)
Max. Error (dB)	0.00
Max. Search Radius (#(Unit,LEN))	2000.00
Min. Dist Src to Rcvr	0.00
Partition	
Raster Factor	0.50
Max. Length of Section (#(Unit,LEN))	1000.00
Min. Length of Section (#(Unit,LEN))	1.00
Min. Length of Section (%)	0.00
Proj. Line Sources	On
Proj. Area Sources	On
Ref. Time	
Reference Time Day (min)	960.00
Reference Time Night (min)	480.00
Daytime Penalty (dB)	0.00
Recr. Time Penalty (dB)	6.00
Night-time Penalty (dB)	10.00
DTM	
Standard Height (m)	0.00
Model of Terrain	Triangulation
Reflection	
max. Order of Reflection	2
Search Radius Src	100.00
Search Radius Rcvr	100.00
Max. Distance Source - Rcvr	1000.00 1000.00
Min. Distance Rcvr - Reflector	1.00 1.00
Min. Distance Source - Reflector	0.10
Industrial (ISO 9613)	
Lateral Diffraction	some Obj
Obst. within Area Src do not shield	On
Screening	Excl. Ground Att. over Barrier
	Dz with limit (20/25)
Barrier Coefficients C1,2,3	3.0 20.0 0.0
Temperature (#(Unit,TEMP))	10
rel. Humidity (%)	70
Ground Absorption G	1.00

Configuration	
Parameter	Value
Wind Speed for Dir. (#(Unit,SPEED))	3.0
Roads (RLS-90)	
Strictly acc. to RLS-90	
Railways (FTA/FRA)	
Aircraft (???)	
Strictly acc. to AzB	

Receiver

Name: OPOR1  
 ID: C2\_OPOR1  
 X: 17641508.23 m  
 Y: 4751891.28 m  
 Z: 1.50 m

Point Source, ISO 9613, Name: "Condenser", ID: "COND1"

Nr.	X (m)	Y (m)	Z (m)	Refl.	DEN	Freq. (Hz)	Lw (dB(A))	l/a (dB)	Optime (dB)	K0 (dB)	Di (dB)	Adiv (dB)	Aatm (dB)	Agr (dB)	Afol (dB)	Ahous (dB)	Abar (dB)	Cmet (dB)	RL (dB)	Lr (dB(A))
1	17641500.53	4751622.94	7.60	0	D	32	50.6	0.0	0.0	0.0	0.0	59.6	0.0	-3.0	0.0	0.0	8.0	0.0	0.0	-14.1
1	17641500.53	4751622.94	7.60	0	D	63	81.1	0.0	0.0	0.0	0.0	59.6	0.0	-3.0	0.0	0.0	10.0	0.0	0.0	14.5
1	17641500.53	4751622.94	7.60	0	D	125	85.4	0.0	0.0	0.0	0.0	59.6	0.1	-2.2	0.0	0.0	11.6	0.0	0.0	16.4
1	17641500.53	4751622.94	7.60	0	D	250	87.2	0.0	0.0	0.0	0.0	59.6	0.3	-0.8	0.0	0.0	12.9	0.0	0.0	15.2
1	17641500.53	4751622.94	7.60	0	D	500	91.0	0.0	0.0	0.0	0.0	59.6	0.5	-1.3	0.0	0.0	16.1	0.0	0.0	16.1
1	17641500.53	4751622.94	7.60	0	D	1000	89.0	0.0	0.0	0.0	0.0	59.6	1.0	-2.4	0.0	0.0	19.9	0.0	0.0	11.0
1	17641500.53	4751622.94	7.60	0	D	2000	84.6	0.0	0.0	0.0	0.0	59.6	2.6	-2.6	0.0	0.0	21.9	0.0	0.0	3.2
1	17641500.53	4751622.94	7.60	0	D	4000	78.6	0.0	0.0	0.0	0.0	59.6	8.8	-2.6	0.0	0.0	22.2	0.0	0.0	-9.4
1	17641500.53	4751622.94	7.60	0	D	8000	75.1	0.0	0.0	0.0	0.0	59.6	31.4	-2.6	0.0	0.0	22.4	0.0	0.0	-35.7
1	17641500.53	4751622.94	7.60	0	N	32	50.6	0.0	0.0	0.0	0.0	59.6	0.0	-3.0	0.0	0.0	8.0	0.0	0.0	-14.1
1	17641500.53	4751622.94	7.60	0	N	63	81.1	0.0	0.0	0.0	0.0	59.6	0.0	-3.0	0.0	0.0	10.0	0.0	0.0	14.5
1	17641500.53	4751622.94	7.60	0	N	125	85.4	0.0	0.0	0.0	0.0	59.6	0.1	-2.2	0.0	0.0	11.6	0.0	0.0	16.4
1	17641500.53	4751622.94	7.60	0	N	250	87.2	0.0	0.0	0.0	0.0	59.6	0.3	-0.8	0.0	0.0	12.9	0.0	0.0	15.2
1	17641500.53	4751622.94	7.60	0	N	500	91.0	0.0	0.0	0.0	0.0	59.6	0.5	-1.3	0.0	0.0	16.1	0.0	0.0	16.1
1	17641500.53	4751622.94	7.60	0	N	1000	89.0	0.0	0.0	0.0	0.0	59.6	1.0	-2.4	0.0	0.0	19.9	0.0	0.0	11.0
1	17641500.53	4751622.94	7.60	0	N	2000	84.6	0.0	0.0	0.0	0.0	59.6	2.6	-2.6	0.0	0.0	21.9	0.0	0.0	3.2
1	17641500.53	4751622.94	7.60	0	N	4000	78.6	0.0	0.0	0.0	0.0	59.6	8.8	-2.6	0.0	0.0	22.2	0.0	0.0	-9.4
1	17641500.53	4751622.94	7.60	0	N	8000	75.1	0.0	0.0	0.0	0.0	59.6	31.4	-2.6	0.0	0.0	22.4	0.0	0.0	-35.7
1	17641500.53	4751622.94	7.60	0	E	32	50.6	0.0	0.0	0.0	0.0	59.6	0.0	-3.0	0.0	0.0	8.0	0.0	0.0	-14.1
1	17641500.53	4751622.94	7.60	0	E	63	81.1	0.0	0.0	0.0	0.0	59.6	0.0	-3.0	0.0	0.0	10.0	0.0	0.0	14.5
1	17641500.53	4751622.94	7.60	0	E	125	85.4	0.0	0.0	0.0	0.0	59.6	0.1	-2.2	0.0	0.0	11.6	0.0	0.0	16.4
1	17641500.53	4751622.94	7.60	0	E	250	87.2	0.0	0.0	0.0	0.0	59.6	0.3	-0.8	0.0	0.0	12.9	0.0	0.0	15.2
1	17641500.53	4751622.94	7.60	0	E	500	91.0	0.0	0.0	0.0	0.0	59.6	0.5	-1.3	0.0	0.0	16.1	0.0	0.0	16.1
1	17641500.53	4751622.94	7.60	0	E	1000	89.0	0.0	0.0	0.0	0.0	59.6	1.0	-2.4	0.0	0.0	19.9	0.0	0.0	11.0
1	17641500.53	4751622.94	7.60	0	E	2000	84.6	0.0	0.0	0.0	0.0	59.6	2.6	-2.6	0.0	0.0	21.9	0.0	0.0	3.2
1	17641500.53	4751622.94	7.60	0	E	4000	78.6	0.0	0.0	0.0	0.0	59.6	8.8	-2.6	0.0	0.0	22.2	0.0	0.0	-9.4
1	17641500.53	4751622.94	7.60	0	E	8000	75.1	0.0	0.0	0.0	0.0	59.6	31.4	-2.6	0.0	0.0	22.4	0.0	0.0	-35.7
2	17641500.53	4751622.94	7.60	2	D	500	91.0	0.0	0.0	0.0	0.0	62.8	0.8	1.8	0.0	0.0	3.0	0.0	4.0	18.6
2	17641500.53	4751622.94	7.60	2	D	1000	89.0	0.0	0.0	0.0	0.0	62.8	1.4	-1.8	0.0	0.0	6.6	0.0	4.0	15.9
2	17641500.53	4751622.94	7.60	2	D	2000	84.6	0.0	0.0	0.0	0.0	62.8	3.8	-2.3	0.0	0.0	7.2	0.0	4.0	9.2
2	17641500.53	4751622.94	7.60	2	D	4000	78.6	0.0	0.0	0.0	0.0	62.8	12.8	-2.3	0.0	0.0	7.2	0.0	4.0	-6.0
2	17641500.53	4751622.94	7.60	2	D	8000	75.1	0.0	0.0	0.0	0.0	62.8	45.7	-2.3	0.0	0.0	7.4	0.0	4.0	-42.5
2	17641500.53	4751622.94	7.60	2	N	500	91.0	0.0	0.0	0.0	0.0	62.8	0.8	1.8	0.0	0.0	3.0	0.0	4.0	18.6
2	17641500.53	4751622.94	7.60	2	N	1000	89.0	0.0	0.0	0.0	0.0	62.8	1.4	-1.8	0.0	0.0	6.6	0.0	4.0	15.9
2	17641500.53	4751622.94	7.60	2	N	2000	84.6	0.0	0.0	0.0	0.0	62.8	3.8	-2.3	0.0	0.0	7.2	0.0	4.0	9.2
2	17641500.53	4751622.94	7.60	2	N	4000	78.6	0.0	0.0	0.0	0.0	62.8	12.8	-2.3	0.0	0.0	7.2	0.0	4.0	-6.0
2	17641500.53	4751622.94	7.60	2	N	8000	75.1	0.0	0.0	0.0	0.0	62.8	45.7	-2.3	0.0	0.0	7.4	0.0	4.0	-42.5
2	17641500.53	4751622.94	7.60	2	E	500	91.0	0.0	0.0	0.0	0.0	62.8	0.8	1.8	0.0	0.0	3.0	0.0	4.0	18.6
2	17641500.53	4751622.94	7.60	2	E	1000	89.0	0.0	0.0	0.0	0.0	62.8	1.4	-1.8	0.0	0.0	6.6	0.0	4.0	15.9
2	17641500.53	4751622.94	7.60	2	E	2000	84.6	0.0	0.0	0.0	0.0	62.8	3.8	-2.3	0.0	0.0	7.2	0.0	4.0	9.2
2	17641500.53	4751622.94	7.60	2	E	4000	78.6	0.0	0.0	0.0	0.0	62.8	12.8	-2.3	0.0	0.0	7.2	0.0	4.0	-6.0
2	17641500.53	4751622.94	7.60	2	E	8000	75.1	0.0	0.0	0.0	0.0	62.8	45.7	-2.3	0.0	0.0	7.4	0.0	4.0	-42.5
3	17641500.53	4751622.94	7.60	1	D	500	91.0	0.0	0.0	0.0	0.0	62.6	0.7	0.4	0.0	0.0	4.5	0.0	2.0	20.9
3	17641500.53	4751622.94	7.60	1	D	1000	89.0	0.0	0.0	0.0	0.0	62.6	1.4	-2.2	0.0	0.0	7.1	0.0	2.0	18.2
3	17641500.53	4751622.94	7.60	1	D	2000	84.6	0.0	0.0	0.0	0.0	62.6	3.7	-2.6	0.0	0.0	7.6	0.0	2.0	11.5
3	17641500.53	4751622.94	7.60	1	D	4000	78.6	0.0	0.0	0.0	0.0	62.6	12.4	-2.6	0.0	0.0	7.7	0.0	2.0	-3.5
3	17641500.53	4751622.94	7.60	1	D	8000	75.1	0.0	0.0	0.0	0.0	62.6	44.2	-2.6	0.0	0.0	8.1	0.0	2.0	-39.2
3	17641500.53	4751622.94	7.60	1	N	500	91.0	0.0	0.0	0.0	0.0	62.6	0.7	0.4	0.0	0.0	4.5	0.0	2.0	20.9
3	17641500.53	4751622.94	7.60	1	N	1000	89.0	0.0	0.0	0.0	0.0	62.6	1.4	-2.2	0.0	0.0	7.1	0.0	2.0	18.2
3	17641500.53	4751622.94	7.60	1	N	2000	84.6	0.0	0.0	0.0	0.0	62.6	3.7	-2.6	0.0	0.0	7.6	0.0	2.0	11.5
3	17641500.53	4751622.94	7.60	1	N	4000	78.6	0.0	0.0	0.0	0.0	62.6	12.4	-2.6	0.0	0.0	7.7	0.0	2.0	-3.5
3	17641500.53	4751622.94	7.60	1	N	8000	75.1	0.0	0.0	0.0	0.0	62.6	44.2	-2.6	0.0	0.0	8.1	0.0	2.0	-39.2
3	17641500.53	4751622.94	7.60	1	E	500	91.0	0.0	0.0	0.0	0.0	62.6	0.7	0.4	0.0	0.0	4.5	0.0	2.0	20.9























Area Source, ISO 9613, Name: "Forklift Movements", ID: "CT_FL2"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	dB(A)						
110	17641565.34	4751793.87	1.00	2	D	1000	65.7	15.0	0.0	0.0	0.0	56.6	0.7	-2.9	0.0	0.0	19.3	0.0	4.0	3.1
110	17641565.34	4751793.87	1.00	2	D	2000	64.1	15.0	0.0	0.0	0.0	56.6	1.8	-3.4	0.0	0.0	22.6	0.0	4.0	-2.6
110	17641565.34	4751793.87	1.00	2	D	4000	54.3	15.0	0.0	0.0	0.0	56.6	6.2	-3.4	0.0	0.0	25.6	0.0	4.0	-19.6
110	17641565.34	4751793.87	1.00	2	D	8000	47.2	15.0	0.0	0.0	0.0	56.6	22.2	-3.4	0.0	0.0	28.4	0.0	4.0	-45.5
110	17641565.34	4751793.87	1.00	2	N	1000	65.7	15.0	-188.0	0.0	0.0	56.6	0.7	-2.9	0.0	0.0	19.3	0.0	4.0	-184.9
110	17641565.34	4751793.87	1.00	2	N	2000	64.1	15.0	-188.0	0.0	0.0	56.6	1.8	-3.4	0.0	0.0	22.6	0.0	4.0	-190.6
110	17641565.34	4751793.87	1.00	2	N	4000	54.3	15.0	-188.0	0.0	0.0	56.6	6.2	-3.4	0.0	0.0	25.6	0.0	4.0	-207.6
110	17641565.34	4751793.87	1.00	2	N	8000	47.2	15.0	-188.0	0.0	0.0	56.6	22.2	-3.4	0.0	0.0	28.4	0.0	4.0	-233.5
110	17641565.34	4751793.87	1.00	2	E	1000	65.7	15.0	-188.0	0.0	0.0	56.6	0.7	-2.9	0.0	0.0	19.3	0.0	4.0	-184.9
110	17641565.34	4751793.87	1.00	2	E	2000	64.1	15.0	-188.0	0.0	0.0	56.6	1.8	-3.4	0.0	0.0	22.6	0.0	4.0	-190.6
110	17641565.34	4751793.87	1.00	2	E	4000	54.3	15.0	-188.0	0.0	0.0	56.6	6.2	-3.4	0.0	0.0	25.6	0.0	4.0	-207.6
110	17641565.34	4751793.87	1.00	2	E	8000	47.2	15.0	-188.0	0.0	0.0	56.6	22.2	-3.4	0.0	0.0	28.4	0.0	4.0	-233.5
111	17641568.63	4751793.27	1.00	2	D	1000	65.7	6.9	0.0	0.0	0.0	56.7	0.7	-2.8	0.0	0.0	20.4	0.0	4.0	-6.4
111	17641568.63	4751793.27	1.00	2	D	2000	64.1	6.9	0.0	0.0	0.0	56.7	1.9	-3.4	0.0	0.0	23.9	0.0	4.0	-12.1
111	17641568.63	4751793.27	1.00	2	D	4000	54.3	6.9	0.0	0.0	0.0	56.7	6.3	-3.4	0.0	0.0	26.8	0.0	4.0	-29.2
111	17641568.63	4751793.27	1.00	2	D	8000	47.2	6.9	0.0	0.0	0.0	56.7	22.6	-3.4	0.0	0.0	28.4	0.0	4.0	-54.1
111	17641568.63	4751793.27	1.00	2	N	1000	65.7	6.9	-188.0	0.0	0.0	56.7	0.7	-2.8	0.0	0.0	20.4	0.0	4.0	-194.4
111	17641568.63	4751793.27	1.00	2	N	2000	64.1	6.9	-188.0	0.0	0.0	56.7	1.9	-3.4	0.0	0.0	23.9	0.0	4.0	-200.1
111	17641568.63	4751793.27	1.00	2	N	4000	54.3	6.9	-188.0	0.0	0.0	56.7	6.3	-3.4	0.0	0.0	26.8	0.0	4.0	-217.2
111	17641568.63	4751793.27	1.00	2	N	8000	47.2	6.9	-188.0	0.0	0.0	56.7	22.6	-3.4	0.0	0.0	28.4	0.0	4.0	-242.1
111	17641568.63	4751793.27	1.00	2	E	1000	65.7	6.9	-188.0	0.0	0.0	56.7	0.7	-2.8	0.0	0.0	20.4	0.0	4.0	-194.4
111	17641568.63	4751793.27	1.00	2	E	2000	64.1	6.9	-188.0	0.0	0.0	56.7	1.9	-3.4	0.0	0.0	23.9	0.0	4.0	-200.1
111	17641568.63	4751793.27	1.00	2	E	4000	54.3	6.9	-188.0	0.0	0.0	56.7	6.3	-3.4	0.0	0.0	26.8	0.0	4.0	-217.2
111	17641568.63	4751793.27	1.00	2	E	8000	47.2	6.9	-188.0	0.0	0.0	56.7	22.6	-3.4	0.0	0.0	28.4	0.0	4.0	-242.1

Point Source, ISO 9613, Name: "Lennox KGA092", ID: "RTU14"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	dB(A)						
114	17641451.33	4751768.53	9.55	0	D	63	63.0	0.0	0.0	0.0	0.0	53.6	0.0	-3.0	0.0	0.0	8.8	0.0	0.0	3.6
114	17641451.33	4751768.53	9.55	0	D	125	76.0	0.0	0.0	0.0	0.0	53.6	0.1	-2.0	0.0	0.0	10.7	0.0	0.0	13.6
114	17641451.33	4751768.53	9.55	0	D	250	79.0	0.0	0.0	0.0	0.0	53.6	0.1	-0.1	0.0	0.0	11.9	0.0	0.0	13.4
114	17641451.33	4751768.53	9.55	0	D	500	84.0	0.0	0.0	0.0	0.0	53.6	0.3	-0.8	0.0	0.0	15.3	0.0	0.0	15.6
114	17641451.33	4751768.53	9.55	0	D	1000	83.0	0.0	0.0	0.0	0.0	53.6	0.5	-2.1	0.0	0.0	19.3	0.0	0.0	11.7
114	17641451.33	4751768.53	9.55	0	D	2000	79.0	0.0	0.0	0.0	0.0	53.6	1.3	-2.3	0.0	0.0	21.7	0.0	0.0	4.7
114	17641451.33	4751768.53	9.55	0	D	4000	73.0	0.0	0.0	0.0	0.0	53.6	4.4	-2.3	0.0	0.0	22.0	0.0	0.0	-4.8
114	17641451.33	4751768.53	9.55	0	D	8000	66.0	0.0	0.0	0.0	0.0	53.6	15.8	-2.3	0.0	0.0	22.1	0.0	0.0	-23.3
114	17641451.33	4751768.53	9.55	0	N	63	63.0	0.0	-3.0	0.0	0.0	53.6	0.0	-3.0	0.0	0.0	8.8	0.0	0.0	0.5
114	17641451.33	4751768.53	9.55	0	N	125	76.0	0.0	-3.0	0.0	0.0	53.6	0.1	-2.0	0.0	0.0	10.7	0.0	0.0	10.6
114	17641451.33	4751768.53	9.55	0	N	250	79.0	0.0	-3.0	0.0	0.0	53.6	0.1	-0.1	0.0	0.0	11.9	0.0	0.0	10.4
114	17641451.33	4751768.53	9.55	0	N	500	84.0	0.0	-3.0	0.0	0.0	53.6	0.3	-0.8	0.0	0.0	15.3	0.0	0.0	12.6
114	17641451.33	4751768.53	9.55	0	N	1000	83.0	0.0	-3.0	0.0	0.0	53.6	0.5	-2.1	0.0	0.0	19.3	0.0	0.0	8.7
114	17641451.33	4751768.53	9.55	0	N	2000	79.0	0.0	-3.0	0.0	0.0	53.6	1.3	-2.3	0.0	0.0	21.7	0.0	0.0	1.6
114	17641451.33	4751768.53	9.55	0	N	4000	73.0	0.0	-3.0	0.0	0.0	53.6	4.4	-2.3	0.0	0.0	22.0	0.0	0.0	-7.8
114	17641451.33	4751768.53	9.55	0	N	8000	66.0	0.0	-3.0	0.0	0.0	53.6	15.8	-2.3	0.0	0.0	22.1	0.0	0.0	-26.3
114	17641451.33	4751768.53	9.55	0	E	63	63.0	0.0	0.0	0.0	0.0	53.6	0.0	-3.0	0.0	0.0	8.8	0.0	0.0	3.6
114	17641451.33	4751768.53	9.55	0	E	125	76.0	0.0	0.0	0.0	0.0	53.6	0.1	-2.0	0.0	0.0	10.7	0.0	0.0	13.6
114	17641451.33	4751768.53	9.55	0	E	250	79.0	0.0	0.0	0.0	0.0	53.6	0.1	-0.1	0.0	0.0	11.9	0.0	0.0	13.4
114	17641451.33	4751768.53	9.55	0	E	500	84.0	0.0	0.0	0.0	0.0	53.6	0.3	-0.8	0.0	0.0	15.3	0.0	0.0	15.6
114	17641451.33	4751768.53	9.55	0	E	1000	83.0	0.0	0.0	0.0	0.0	53.6	0.5	-2.1	0.0	0.0	19.3	0.0	0.0	11.7
114	17641451.33	4751768.53	9.55	0	E	2000	79.0	0.0	0.0	0.0	0.0	53.6	1.3	-2.3	0.0	0.0	21.7	0.0	0.0	4.7
114	17641451.33	4751768.53	9.55	0	E	4000	73.0	0.0	0.0	0.0	0.0	53.6	4.4	-2.3	0.0	0.0	22.0	0.0	0.0	-4.8
114	17641451.33	4751768.53	9.55	0	E	8000	66.0	0.0	0.0	0.0	0.0	53.6	15.8	-2.3	0.0	0.0	22.1	0.0	0.0	-23.3
116	17641451.33	4751768.53	9.55	2	D	500	84.0	0.0	0.0	0.0	0.0	55.1	0.3	2.3	0.0	0.0	4.3	0.0	4.0	18.0
116	17641451.33	4751768.53	9.55	2	D	1000	83.0	0.0	0.0	0.0	0.0	55.1	0.6	-0.9	0.0	0.0	8.8	0.0	4.0	15.5
116	17641451.33	4751768.53	9.55	2	D	2000	79.0	0.0	0.0	0.0	0.0	55.1	1.5	-1.4	0.0	0.0	11.1	0.0	4.0	8.7
116	17641451.33	4751768.53	9.55	2	D	4000	73.0	0.0	0.0	0.0	0.0	55.1	5.2	-1.4	0.0	0.0	13.3	0.0	4.0	-3.2
116	17641451.33	4751768.53	9.55	2	D	8000	66.0	0.0	0.0	0.0	0.0	55.1	18.7	-1.4	0.0	0.0	15.9	0.0	4.0	-26.2
116	17641451.33	4751768.53	9.55	2	N	500	84.0	0.0	-3.0	0.0	0.0	55.1	0.3	2.3	0.0	0.0	4.3	0.0	4.0	15.0
116	17641451.33	4751768.53	9.55	2	N	1000	83.0	0.0	-3.0	0.0	0.0	55.1	0.6	-0.9	0.0	0.0	8.8	0.0	4.0	12.5
116	17641451.33	4751768.53	9.55	2	N	2000	79.0	0.0	-3.0	0.0	0.0	55.1	1.5	-1.4	0.0	0.0	11.1	0.0	4.0	5.7
116	17641451.33	4751768.53	9.55	2	N	4000	73.0	0.0	-3.0	0.0	0.0	55.1	5.2	-1.4	0.0	0.0	13.3	0.0	4.0	-6.2
116	17641451.33	4751768.53	9.55	2	N	8000	66.0	0.0	-3.0	0.0	0.0	55.1	18.7	-1.4	0.0	0.0	15.9	0.0	4.0	-29.2
116	17641451.33	4751768.53	9.55	2	E	500	84.0	0.0	0.0	0.0	0.0	55.1	0.3	2.3	0.0	0.0	4.3	0.0	4.0	18.0

Point Source, ISO 9613, Name: "Lennox KGA092", ID: "RTU14"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	dB(A)						
116	17641451.33	4751768.53	9.55	2	E	1000	83.0	0.0	0.0	0.0	0.0	55.1	0.6	-0.9	0.0	0.0	8.8	0.0	4.0	15.5
116	17641451.33	4751768.53	9.55	2	E	2000	79.0	0.0	0.0	0.0	0.0	55.1	1.5	-1.4	0.0	0.0	11.1	0.0	4.0	8.7
116	17641451.33	4751768.53	9.55	2	E	4000	73.0	0.0	0.0	0.0	0.0	55.1	5.2	-1.4	0.0	0.0	13.3	0.0	4.0	-3.2
116	17641451.33	4751768.53	9.55	2	E	8000	66.0	0.0	0.0	0.0	0.0	55.1	18.7	-1.4	0.0	0.0	15.9	0.0	4.0	-26.2
118	17641451.33	4751768.53	9.55	2	D	500	84.0	0.0	0.0	0.0	0.0	59.0	0.5	1.0	0.0	0.0	8.7	0.0	4.0	10.8
118	17641451.33	4751768.53	9.55	2	D	1000	83.0	0.0	0.0	0.0	0.0	59.0	0.9	-1.4	0.0	0.0	13.3	0.0	4.0	7.2
118	17641451.33	4751768.53	9.55	2	D	2000	79.0	0.0	0.0	0.0	0.0	59.0	2.4	-1.8	0.0	0.0	16.3	0.0	4.0	-0.9
118	17641451.33	4751768.53	9.55	2	D	4000	73.0	0.0	0.0	0.0	0.0	59.0	8.2	-1.8	0.0	0.0	19.0	0.0	4.0	-15.5
118	17641451.33	4751768.53	9.55	2	D	8000	66.0	0.0	0.0	0.0	0.0	59.0	29.4	-1.8	0.0	0.0	21.8	0.0	4.0	-46.4
118	17641451.33	4751768.53	9.55	2	N	500	84.0	0.0	-3.0	0.0	0.0	59.0	0.5	1.0	0.0	0.0	8.7	0.0	4.0	7.8
118	17641451.33	4751768.53	9.55	2	N	1000	83.0	0.0	-3.0	0.0	0.0	59.0	0.9	-1.4	0.0	0.0	13.3	0.0	4.0	4.1
118	17641451.33	4751768.53	9.55	2	N	2000	79.0	0.0	-3.0	0.0	0.0	59.0	2.4	-1.8	0.0	0.0	16.3	0.0	4.0	-3.9
118	17641451.33	4751768.53	9.55	2	N	4000	73.0	0.0	-3.0	0.0	0.0	59.0	8.2	-1.8	0.0	0.0	19.0	0.0	4.0	-18.5
118	17641451.33	4751768.53	9.55	2	N	8000	66.0	0.0	-3.0	0.0	0.0	59.0	29.4	-1.8	0.0	0.0	21.8	0.0	4.0	-49.4
118	17641451.33	4751768.53	9.55	2	E	500	84.0	0.0	0.0	0.0	0.0	59.0	0.5	1.0	0.0	0.0	8.7	0.0	4.0	10.8
118	17641451.33	4751768.53	9.55	2	E	1000	83.0	0.0	0.0	0.0	0.0	59.0	0.9	-1.4	0.0	0.0	13.3	0.0	4.0	7.2
118	17641451.33	4751768.53	9.55	2	E	2000	79.0	0.0	0.0	0.0	0.0	59.0	2.4	-1.8	0.0	0.0	16.3	0.0	4.0	-0.9
118	17641451.33	4751768.53	9.55	2	E	4000	73.0	0.0	0.0	0.0	0.0	59.0	8.2	-1.8	0.0	0.0	19.0	0.0	4.0	-15.5
118	17641451.33	4751768.53	9.55	2	E	8000	66.0	0.0	0.0	0.0	0.0	59.0	29.4	-1.8	0.0	0.0	21.8	0.0	4.0	-46.4
119	17641451.33	4751768.53	9.55	1	D	500	84.0	0.0	0.0	0.0	0.0	58.6	0.5	-0.1	0.0	0.0	13.2	0.0	2.0	9.8
119	17641451.33	4751768.53	9.55	1	D	1000	83.0	0.0	0.0	0.0	0.0	58.6	0.9	-1.8	0.0	0.0	17.6	0.0	2.0	5.7
119	17641451.33	4751768.53	9.55	1	D	2000	79.0	0.0	0.0	0.0	0.0	58.6	2.3	-2.1	0.0	0.0	20.7	0.0	2.0	-2.5
119	17641451.33	4751768.53	9.55	1	D	4000	73.0	0.0	0.0	0.0	0.0	58.6	7.8	-2.1	0.0	0.0	22.1	0.0	2.0	-15.4
119	17641451.33	4751768.53	9.55	1	D	8000	66.0	0.0	0.0	0.0	0.0	58.6	27.9	-2.1	0.0	0.0	22.1	0.0	2.0	-42.5
119	17641451.33	4751768.53	9.55	1	N	500	84.0	0.0	-3.0	0.0	0.0	58.6	0.5	-0.1	0.0	0.0	13.2	0.0	2.0	6.8
119	17641451.33	4751768.53	9.55	1	N	1000	83.0	0.0	-3.0	0.0	0.0	58.6	0.9	-1.8	0.0	0.0	17.6	0.0	2.0	2.7
119	17641451.33	4751768.53	9.55	1	N	2000	79.0	0.0	-3.0	0.0	0.0	58.6	2.3	-2.1	0.0	0.0	20.7	0.0	2.0	-5.5
119	17641451.33	4751768.53	9.55	1	N	4000	73.0	0.0	-3.0	0.0	0.0	58.6	7.8	-2.1	0.0	0.0	22.1	0.0	2.0	-18.4
119	17641451.33	4751768.53	9.55	1	N	8000	66.0	0.0	-3.0	0.0	0.0	58.6	27.9	-2.1	0.0	0.0	22.1	0.0	2.0	-45.5
119	17641451.33	4751768.53	9.55	1	E	500	84.0	0.0	0.0	0.0	0.0	58.6	0.5	-0.1	0.0	0.0	13.2	0.0	2.0	9.8
119	17641451.33	4751768.53	9.55	1	E	1000	83.0	0.0	0.0	0.0	0.0	58.6	0.9	-1.8	0.0	0.0	17.6	0.0	2.0	5.7
119	17641451.33	4751768.53	9.55	1	E	2000	79.0	0.0	0.0	0.0	0.0	58.6	2.3	-2.1	0.0	0.0	20.7	0.0	2.0	-2.5
119	17641451.33	4751768.53	9.55	1	E	4000	73.0	0.0	0.0	0.0	0.0	58.6	7.8	-2.1	0.0	0.0	22.1	0.0	2.0	-15.4
119	17641451.33	4751768.53	9.55	1	E	8000	66.0	0.0	0.0	0.0	0.0	58.6	27.9	-2.1	0.0	0.0	22.1	0.0	2.0	-42.5

Point Source, ISO 9613, Name: "York DM090", ID: "RTU01"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	dB(A)						
122	17641476.78	4751811.34	5.80	0	D	63	61.8	0.0	0.0	0.0	0.0	49.7	0.0	-3.0	0.0	0.0	8.7	0.0	0.0	6.4
122	17641476.78	4751811.34	5.80	0	D	125	68.4	0.0	0.0	0.0	0.0	49.7	0.0	-1.8	0.0	0.0	11.6	0.0	0.0	8.8
122	17641476.78	4751811.34	5.80	0	D	250	73.4	0.0	0.0	0.0	0.0	49.7	0.1	-0.6	0.0	0.0	15.0	0.0	0.0	9.2
122	17641476.78	4751811.34	5.80	0	D	500	79.3	0.0	0.0	0.0	0.0	49.7	0.2	-1.2	0.0	0.0	19.0	0.0	0.0	11.6
122	17641476.78	4751811.34	5.80	0	D	1000	79.5	0.0	0.0	0.0	0.0	49.7	0.3	-2.2	0.0	0.0	22.8	0.0	0.0	8.9
122	17641476.78	4751811.34	5.80	0	D	2000	76.2	0.0	0.0	0.0	0.0	49.7	0.8	-2.3	0.0	0.0	25.3	0.0	0.0	2.8
122	17641476.78	4751811.34	5.80	0	D	4000	72.5	0.0	0.0	0.0	0.0	49.7	2.8	-2.3	0.0	0.0	26.2	0.0	0.0	-3.8
122	17641476.78	4751811.34	5.80	0	D	8000	65.4	0.0	0.0	0.0	0.0	49.7	10.1	-2.3	0.0	0.0	26.7	0.0	0.0	-18.7
122	17641476.78	4751811.34	5.80	0	N	63	61.8	0.0	-3.0	0.0	0.0	49.7	0.0	-3.0	0.0	0.0	8.7	0.0	0.0	3.3
122	17641476.78	4751811.34	5.80	0	N	125	68.4	0.0	-3.0	0.0	0.0	49.7	0.0	-1.8	0.0	0.0	11.6	0.0	0.0	5.8
122	17641476.78	4751811.34	5.80	0	N	250	73.4	0.0	-3.0	0.0	0.0	49.7	0.1	-0.6	0.0	0.0	15.0	0.0	0.0	6.2
122	17641476.78	4751811.34	5.80	0	N	500	79.3	0.0	-3.0	0.0	0.0	49.7	0.2	-1.2	0.0	0.0	19.0	0.0	0.0	8.6
122	17641476.78	4751811.34	5.80	0	N	1000	79.5	0.0	-3.0	0.0	0.0	49.7	0.3	-2.2	0.0	0.0	22.8	0.0	0.0	5.9
122	17641476.78	4751811.34	5.80	0	N	2000	76.2	0.0	-3.0	0.0	0.0	49.7	0.8	-2.3	0.0	0.0	25.3	0.0	0.0	-0.2
122	17641476.78	4751811.34	5.80	0	N	4000	72.5	0.0	-3.0	0.0	0.0	49.7	2.8	-2.3	0.0	0.0	26.2	0.0	0.0	-6.9
122	17641476.78	4751811.34	5.80	0	N	8000	65.4	0.0	-3.0	0.0	0.0	49.7	10.1	-2.3	0.0	0.0	26.7	0.0	0.0	-21.7
122	17641476.78	4751811.34	5.80	0	E	63	61.8	0.0	0.0	0.0	0.0	49.7	0.0	-3.0	0.0	0.0	8.7	0.0	0.0	6.4
122	17641476.78	4751811.34	5.80	0	E	125	68.4	0.0	0.0	0.0	0.0	49.7	0.0	-1.8	0.0	0.0	11.6	0.0	0.0	8.8
122	17641476.78	4751811.34	5.80	0	E	250	73.4	0.0	0.0	0.0	0.0	49.7	0.1	-0.6	0.0	0.0	15.0	0.0	0.0	9.2
122	17641476.78	4751811.34	5.80	0	E	500	79.3	0.0	0.0	0.0	0.0	49.7	0.2	-1.2	0.0	0.0	19.0	0.0	0.0	11.6
122	17641476.78	4751811.34	5.80	0	E	1000	79.5	0.0	0.0	0.0	0.0	49.7	0.3	-2.2	0.0	0.0	22.8	0.0	0.0	8.9
122	17641476.78	4751811.34	5.80	0	E	2000	76.2	0.0	0.0	0.0	0.0	49.7	0.8	-2.3	0.0	0.0	25.3	0.0	0.0	2.8
122	17641476.78	4751811.34	5.80	0	E	4000	72.5	0.0	0.0	0.0	0.0	49.7	2.8	-2.3	0.0	0.0	26.2	0.0	0.0	-3.8
122	17641476.78	4751811.34	5.80	0	E	8000	65.4	0.0	0.0	0.0	0.0	49.7	10.1	-2.3	0.0	0.0	26.7	0.0	0.0	-18.7
123	17641476.78	4751811.34	5.80	1	D	250	73.4	0.0	0.0	0.0	0.0	51.1	0.1	-0.7	0.0	0.0	17.1	0.0	2.0	3.8



Point Source, ISO 9613, Name: "York DM090", ID: "RTU01"																				
Nr.	X	Y	Z	Ref.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahou	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB(A))									
130	17641476.78	4751811.34	5.80	1	D	8000	65.4	0.0	0.0	0.0	0.0	56.7	22.5	-1.8	0.0	0.0	26.8	0.0	2.0	-40.7
130	17641476.78	4751811.34	5.80	1	N	500	79.3	0.0	-3.0	0.0	0.0	56.7	0.4	0.1	0.0	0.0	16.7	0.0	2.0	0.4
130	17641476.78	4751811.34	5.80	1	N	1000	79.5	0.0	-3.0	0.0	0.0	56.7	0.7	-1.6	0.0	0.0	21.3	0.0	2.0	-2.6
130	17641476.78	4751811.34	5.80	1	N	2000	76.2	0.0	-3.0	0.0	0.0	56.7	1.9	-1.8	0.0	0.0	24.5	0.0	2.0	-10.0
130	17641476.78	4751811.34	5.80	1	N	4000	72.5	0.0	-3.0	0.0	0.0	56.7	6.3	-1.8	0.0	0.0	26.8	0.0	2.0	-20.5
130	17641476.78	4751811.34	5.80	1	N	8000	65.4	0.0	-3.0	0.0	0.0	56.7	22.5	-1.8	0.0	0.0	26.8	0.0	2.0	-43.7
130	17641476.78	4751811.34	5.80	1	E	500	79.3	0.0	0.0	0.0	0.0	56.7	0.4	0.1	0.0	0.0	16.7	0.0	2.0	3.4
130	17641476.78	4751811.34	5.80	1	E	1000	79.5	0.0	0.0	0.0	0.0	56.7	0.7	-1.6	0.0	0.0	21.3	0.0	2.0	0.4
130	17641476.78	4751811.34	5.80	1	E	2000	76.2	0.0	0.0	0.0	0.0	56.7	1.9	-1.8	0.0	0.0	24.5	0.0	2.0	-7.0
130	17641476.78	4751811.34	5.80	1	E	4000	72.5	0.0	0.0	0.0	0.0	56.7	6.3	-1.8	0.0	0.0	26.8	0.0	2.0	-17.5
130	17641476.78	4751811.34	5.80	1	E	8000	65.4	0.0	0.0	0.0	0.0	56.7	22.5	-1.8	0.0	0.0	26.8	0.0	2.0	-40.7
131	17641476.78	4751811.34	5.80	2	D	500	79.3	0.0	0.0	0.0	0.0	57.4	0.4	0.7	0.0	0.0	15.7	0.0	4.0	1.2
131	17641476.78	4751811.34	5.80	2	D	1000	79.5	0.0	0.0	0.0	0.0	57.4	0.8	-1.4	0.0	0.0	20.7	0.0	4.0	-1.8
131	17641476.78	4751811.34	5.80	2	D	2000	76.2	0.0	0.0	0.0	0.0	57.4	2.0	-1.8	0.0	0.0	23.9	0.0	4.0	-9.3
131	17641476.78	4751811.34	5.80	2	D	4000	72.5	0.0	0.0	0.0	0.0	57.4	6.8	-1.8	0.0	0.0	26.8	0.0	4.0	-20.7
131	17641476.78	4751811.34	5.80	2	D	8000	65.4	0.0	0.0	0.0	0.0	57.4	24.3	-1.8	0.0	0.0	26.8	0.0	4.0	-45.2
131	17641476.78	4751811.34	5.80	2	N	500	79.3	0.0	-3.0	0.0	0.0	57.4	0.4	0.7	0.0	0.0	15.7	0.0	4.0	-1.8
131	17641476.78	4751811.34	5.80	2	N	1000	79.5	0.0	-3.0	0.0	0.0	57.4	0.8	-1.4	0.0	0.0	20.7	0.0	4.0	-4.9
131	17641476.78	4751811.34	5.80	2	N	2000	76.2	0.0	-3.0	0.0	0.0	57.4	2.0	-1.8	0.0	0.0	23.9	0.0	4.0	-12.3
131	17641476.78	4751811.34	5.80	2	N	4000	72.5	0.0	-3.0	0.0	0.0	57.4	6.8	-1.8	0.0	0.0	26.8	0.0	4.0	-23.7
131	17641476.78	4751811.34	5.80	2	N	8000	65.4	0.0	-3.0	0.0	0.0	57.4	24.3	-1.8	0.0	0.0	26.8	0.0	4.0	-48.3
131	17641476.78	4751811.34	5.80	2	E	500	79.3	0.0	0.0	0.0	0.0	57.4	0.4	0.7	0.0	0.0	15.7	0.0	4.0	1.2
131	17641476.78	4751811.34	5.80	2	E	1000	79.5	0.0	0.0	0.0	0.0	57.4	0.8	-1.4	0.0	0.0	20.7	0.0	4.0	-1.8
131	17641476.78	4751811.34	5.80	2	E	2000	76.2	0.0	0.0	0.0	0.0	57.4	2.0	-1.8	0.0	0.0	23.9	0.0	4.0	-9.3
131	17641476.78	4751811.34	5.80	2	E	4000	72.5	0.0	0.0	0.0	0.0	57.4	6.8	-1.8	0.0	0.0	26.8	0.0	4.0	-20.7
131	17641476.78	4751811.34	5.80	2	E	8000	65.4	0.0	0.0	0.0	0.0	57.4	24.3	-1.8	0.0	0.0	26.8	0.0	4.0	-45.2

Point Source, ISO 9613, Name: "York ZJ090", ID: "RTU26"																				
Nr.	X	Y	Z	Ref.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahou	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB(A))									
133	17641500.19	4751705.48	6.60	0	D	63	63.8	0.0	0.0	0.0	0.0	56.4	0.0	-3.0	0.0	0.0	11.4	0.0	0.0	-1.0
133	17641500.19	4751705.48	6.60	0	D	125	76.9	0.0	0.0	0.0	0.0	56.4	0.1	-2.1	0.0	0.0	12.6	0.0	0.0	9.9
133	17641500.19	4751705.48	6.60	0	D	250	81.9	0.0	0.0	0.0	0.0	56.4	0.2	-0.7	0.0	0.0	13.7	0.0	0.0	12.3
133	17641500.19	4751705.48	6.60	0	D	500	82.8	0.0	0.0	0.0	0.0	56.4	0.4	-1.2	0.0	0.0	16.9	0.0	0.0	10.4
133	17641500.19	4751705.48	6.60	0	D	1000	83.5	0.0	0.0	0.0	0.0	56.4	0.7	-2.3	0.0	0.0	20.8	0.0	0.0	8.0
133	17641500.19	4751705.48	6.60	0	D	2000	82.7	0.0	0.0	0.0	0.0	56.4	1.8	-2.5	0.0	0.0	22.4	0.0	0.0	4.6
133	17641500.19	4751705.48	6.60	0	D	4000	79.0	0.0	0.0	0.0	0.0	56.4	6.1	-2.5	0.0	0.0	22.5	0.0	0.0	-3.4
133	17641500.19	4751705.48	6.60	0	D	8000	73.9	0.0	0.0	0.0	0.0	56.4	21.7	-2.5	0.0	0.0	22.5	0.0	0.0	-24.2
133	17641500.19	4751705.48	6.60	0	N	63	63.8	0.0	-3.0	0.0	0.0	56.4	0.0	-3.0	0.0	0.0	11.4	0.0	0.0	-4.1
133	17641500.19	4751705.48	6.60	0	N	125	76.9	0.0	-3.0	0.0	0.0	56.4	0.1	-2.1	0.0	0.0	12.6	0.0	0.0	6.9
133	17641500.19	4751705.48	6.60	0	N	250	81.9	0.0	-3.0	0.0	0.0	56.4	0.2	-0.7	0.0	0.0	13.7	0.0	0.0	9.3
133	17641500.19	4751705.48	6.60	0	N	500	82.8	0.0	-3.0	0.0	0.0	56.4	0.4	-1.2	0.0	0.0	16.9	0.0	0.0	7.4
133	17641500.19	4751705.48	6.60	0	N	1000	83.5	0.0	-3.0	0.0	0.0	56.4	0.7	-2.3	0.0	0.0	20.8	0.0	0.0	4.9
133	17641500.19	4751705.48	6.60	0	N	2000	82.7	0.0	-3.0	0.0	0.0	56.4	1.8	-2.5	0.0	0.0	22.4	0.0	0.0	1.6
133	17641500.19	4751705.48	6.60	0	N	4000	79.0	0.0	-3.0	0.0	0.0	56.4	6.1	-2.5	0.0	0.0	22.5	0.0	0.0	-6.5
133	17641500.19	4751705.48	6.60	0	N	8000	73.9	0.0	-3.0	0.0	0.0	56.4	21.7	-2.5	0.0	0.0	22.5	0.0	0.0	-27.2
133	17641500.19	4751705.48	6.60	0	E	63	63.8	0.0	0.0	0.0	0.0	56.4	0.0	-3.0	0.0	0.0	11.4	0.0	0.0	-1.0
133	17641500.19	4751705.48	6.60	0	E	125	76.9	0.0	0.0	0.0	0.0	56.4	0.1	-2.1	0.0	0.0	12.6	0.0	0.0	9.9
133	17641500.19	4751705.48	6.60	0	E	250	81.9	0.0	0.0	0.0	0.0	56.4	0.2	-0.7	0.0	0.0	13.7	0.0	0.0	12.3
133	17641500.19	4751705.48	6.60	0	E	500	82.8	0.0	0.0	0.0	0.0	56.4	0.4	-1.2	0.0	0.0	16.9	0.0	0.0	10.4
133	17641500.19	4751705.48	6.60	0	E	1000	83.5	0.0	0.0	0.0	0.0	56.4	0.7	-2.3	0.0	0.0	20.8	0.0	0.0	8.0
133	17641500.19	4751705.48	6.60	0	E	2000	82.7	0.0	0.0	0.0	0.0	56.4	1.8	-2.5	0.0	0.0	22.4	0.0	0.0	4.6
133	17641500.19	4751705.48	6.60	0	E	4000	79.0	0.0	0.0	0.0	0.0	56.4	6.1	-2.5	0.0	0.0	22.5	0.0	0.0	-3.4
133	17641500.19	4751705.48	6.60	0	E	8000	73.9	0.0	0.0	0.0	0.0	56.4	21.7	-2.5	0.0	0.0	22.5	0.0	0.0	-24.2
136	17641500.19	4751705.48	6.60	1	D	4000	79.0	0.0	0.0	0.0	0.0	56.8	6.4	-2.7	0.0	0.0	7.6	0.0	2.0	9.0
136	17641500.19	4751705.48	6.60	1	D	8000	73.9	0.0	0.0	0.0	0.0	56.8	22.7	-2.7	0.0	0.0	7.7	0.0	2.0	-12.6
136	17641500.19	4751705.48	6.60	1	N	4000	79.0	0.0	-3.0	0.0	0.0	56.8	6.4	-2.7	0.0	0.0	7.6	0.0	2.0	5.9
136	17641500.19	4751705.48	6.60	1	N	8000	73.9	0.0	-3.0	0.0	0.0	56.8	22.7	-2.7	0.0	0.0	7.7	0.0	2.0	-15.6
136	17641500.19	4751705.48	6.60	1	E	4000	79.0	0.0	0.0	0.0	0.0	56.8	6.4	-2.7	0.0	0.0	7.6	0.0	2.0	9.0
136	17641500.19	4751705.48	6.60	1	E	8000	73.9	0.0	0.0	0.0	0.0	56.8	22.7	-2.7	0.0	0.0	7.7	0.0	2.0	-12.6
138	17641500.19	4751705.48	6.60	2	D	500	82.8	0.0	0.0	0.0	0.0	60.8	0.6	2.1	0.0	0.0	2.7	0.0	4.0	12.6
138	17641500.19	4751705.48	6.60	2	D	1000	83.5	0.0	0.0	0.0	0.0	60.8	1.1	-1.5	0.0	0.0	6.4	0.0	4.0	12.7
138	17641500.19	4751705.48	6.60	2	D	2000	82.7	0.0	0.0	0.0	0.0	60.8	3.0	-2.0	0.0	0.0	7.0	0.0	4.0	9.9

Point Source, ISO 9613, Name: "York ZJ090", ID: "RTU26"

Nr.	X (m)	Y (m)	Z (m)	Refl.	DEN	Freq. (Hz)	Lw dB(A)	l/a dB	Optime dB	K0 (dB)	Di (dB)	Adiv (dB)	Aatm (dB)	Agr (dB)	Afol (dB)	Ahous (dB)	Abar (dB)	Cmet (dB)	RL (dB)	Lr dB(A)
138	17641500.19	4751705.48	6.60	2	D	4000	79.0	0.0	0.0	0.0	0.0	60.8	10.1	-2.0	0.0	0.0	7.3	0.0	4.0	-1.1
138	17641500.19	4751705.48	6.60	2	D	8000	73.9	0.0	0.0	0.0	0.0	60.8	36.1	-2.0	0.0	0.0	7.7	0.0	4.0	-32.6
138	17641500.19	4751705.48	6.60	2	N	500	82.8	0.0	-3.0	0.0	0.0	60.8	0.6	2.1	0.0	0.0	2.7	0.0	4.0	9.6
138	17641500.19	4751705.48	6.60	2	N	1000	83.5	0.0	-3.0	0.0	0.0	60.8	1.1	-1.5	0.0	0.0	6.4	0.0	4.0	9.7
138	17641500.19	4751705.48	6.60	2	N	2000	82.7	0.0	-3.0	0.0	0.0	60.8	3.0	-2.0	0.0	0.0	7.0	0.0	4.0	6.9
138	17641500.19	4751705.48	6.60	2	N	4000	79.0	0.0	-3.0	0.0	0.0	60.8	10.1	-2.0	0.0	0.0	7.3	0.0	4.0	-4.2
138	17641500.19	4751705.48	6.60	2	N	8000	73.9	0.0	-3.0	0.0	0.0	60.8	36.1	-2.0	0.0	0.0	7.7	0.0	4.0	-35.6
138	17641500.19	4751705.48	6.60	2	E	500	82.8	0.0	0.0	0.0	0.0	60.8	0.6	2.1	0.0	0.0	2.7	0.0	4.0	12.6
138	17641500.19	4751705.48	6.60	2	E	1000	83.5	0.0	0.0	0.0	0.0	60.8	1.1	-1.5	0.0	0.0	6.4	0.0	4.0	12.7
138	17641500.19	4751705.48	6.60	2	E	2000	82.7	0.0	0.0	0.0	0.0	60.8	3.0	-2.0	0.0	0.0	7.0	0.0	4.0	9.9
138	17641500.19	4751705.48	6.60	2	E	4000	79.0	0.0	0.0	0.0	0.0	60.8	10.1	-2.0	0.0	0.0	7.3	0.0	4.0	-1.1
138	17641500.19	4751705.48	6.60	2	E	8000	73.9	0.0	0.0	0.0	0.0	60.8	36.1	-2.0	0.0	0.0	7.7	0.0	4.0	-32.6
140	17641500.19	4751705.48	6.60	2	D	1000	83.5	0.0	0.0	0.0	0.0	57.9	0.8	-1.1	0.0	0.0	13.3	0.0	4.0	8.6
140	17641500.19	4751705.48	6.60	2	D	2000	82.7	0.0	0.0	0.0	0.0	57.9	2.1	-1.7	0.0	0.0	16.4	0.0	4.0	3.9
140	17641500.19	4751705.48	6.60	2	D	4000	79.0	0.0	0.0	0.0	0.0	57.9	7.2	-1.7	0.0	0.0	19.2	0.0	4.0	-7.7
140	17641500.19	4751705.48	6.60	2	D	8000	73.9	0.0	0.0	0.0	0.0	57.9	25.8	-1.7	0.0	0.0	21.7	0.0	4.0	-33.8
140	17641500.19	4751705.48	6.60	2	N	1000	83.5	0.0	-3.0	0.0	0.0	57.9	0.8	-1.1	0.0	0.0	13.3	0.0	4.0	5.6
140	17641500.19	4751705.48	6.60	2	N	2000	82.7	0.0	-3.0	0.0	0.0	57.9	2.1	-1.7	0.0	0.0	16.4	0.0	4.0	0.9
140	17641500.19	4751705.48	6.60	2	N	4000	79.0	0.0	-3.0	0.0	0.0	57.9	7.2	-1.7	0.0	0.0	19.2	0.0	4.0	-10.7
140	17641500.19	4751705.48	6.60	2	N	8000	73.9	0.0	-3.0	0.0	0.0	57.9	25.8	-1.7	0.0	0.0	21.7	0.0	4.0	-36.8
140	17641500.19	4751705.48	6.60	2	E	1000	83.5	0.0	0.0	0.0	0.0	57.9	0.8	-1.1	0.0	0.0	13.3	0.0	4.0	8.6
140	17641500.19	4751705.48	6.60	2	E	2000	82.7	0.0	0.0	0.0	0.0	57.9	2.1	-1.7	0.0	0.0	16.4	0.0	4.0	3.9
140	17641500.19	4751705.48	6.60	2	E	4000	79.0	0.0	0.0	0.0	0.0	57.9	7.2	-1.7	0.0	0.0	19.2	0.0	4.0	-7.7
140	17641500.19	4751705.48	6.60	2	E	8000	73.9	0.0	0.0	0.0	0.0	57.9	25.8	-1.7	0.0	0.0	21.7	0.0	4.0	-33.8
141	17641500.19	4751705.48	6.60	1	D	500	82.8	0.0	0.0	0.0	0.0	60.4	0.6	0.7	0.0	0.0	4.2	0.0	2.0	14.9
141	17641500.19	4751705.48	6.60	1	D	1000	83.5	0.0	0.0	0.0	0.0	60.4	1.1	-1.9	0.0	0.0	6.9	0.0	2.0	14.9
141	17641500.19	4751705.48	6.60	1	D	2000	82.7	0.0	0.0	0.0	0.0	60.4	2.9	-2.3	0.0	0.0	7.6	0.0	2.0	12.1
141	17641500.19	4751705.48	6.60	1	D	4000	79.0	0.0	0.0	0.0	0.0	60.4	9.7	-2.3	0.0	0.0	8.0	0.0	2.0	1.1
141	17641500.19	4751705.48	6.60	1	D	8000	73.9	0.0	0.0	0.0	0.0	60.4	34.6	-2.3	0.0	0.0	8.8	0.0	2.0	-29.7
141	17641500.19	4751705.48	6.60	1	N	500	82.8	0.0	-3.0	0.0	0.0	60.4	0.6	0.7	0.0	0.0	4.2	0.0	2.0	11.9
141	17641500.19	4751705.48	6.60	1	N	1000	83.5	0.0	-3.0	0.0	0.0	60.4	1.1	-1.9	0.0	0.0	6.9	0.0	2.0	11.9
141	17641500.19	4751705.48	6.60	1	N	2000	82.7	0.0	-3.0	0.0	0.0	60.4	2.9	-2.3	0.0	0.0	7.6	0.0	2.0	9.1
141	17641500.19	4751705.48	6.60	1	N	4000	79.0	0.0	-3.0	0.0	0.0	60.4	9.7	-2.3	0.0	0.0	8.0	0.0	2.0	-1.9
141	17641500.19	4751705.48	6.60	1	N	8000	73.9	0.0	-3.0	0.0	0.0	60.4	34.6	-2.3	0.0	0.0	8.8	0.0	2.0	-32.7
141	17641500.19	4751705.48	6.60	1	E	500	82.8	0.0	0.0	0.0	0.0	60.4	0.6	0.7	0.0	0.0	4.2	0.0	2.0	14.9
141	17641500.19	4751705.48	6.60	1	E	1000	83.5	0.0	0.0	0.0	0.0	60.4	1.1	-1.9	0.0	0.0	6.9	0.0	2.0	14.9
141	17641500.19	4751705.48	6.60	1	E	2000	82.7	0.0	0.0	0.0	0.0	60.4	2.9	-2.3	0.0	0.0	7.6	0.0	2.0	12.1
141	17641500.19	4751705.48	6.60	1	E	4000	79.0	0.0	0.0	0.0	0.0	60.4	9.7	-2.3	0.0	0.0	8.0	0.0	2.0	1.1
141	17641500.19	4751705.48	6.60	1	E	8000	73.9	0.0	0.0	0.0	0.0	60.4	34.6	-2.3	0.0	0.0	8.8	0.0	2.0	-29.7
142	17641500.19	4751705.48	6.60	1	D	1000	83.5	0.0	0.0	0.0	0.0	57.4	0.8	-2.2	0.0	0.0	20.3	0.0	2.0	5.3
142	17641500.19	4751705.48	6.60	1	D	2000	82.7	0.0	0.0	0.0	0.0	57.4	2.0	-2.4	0.0	0.0	22.4	0.0	2.0	1.3
142	17641500.19	4751705.48	6.60	1	D	4000	79.0	0.0	0.0	0.0	0.0	57.4	6.8	-2.4	0.0	0.0	22.4	0.0	2.0	-7.2
142	17641500.19	4751705.48	6.60	1	D	8000	73.9	0.0	0.0	0.0	0.0	57.4	24.3	-2.4	0.0	0.0	22.4	0.0	2.0	-29.8
142	17641500.19	4751705.48	6.60	1	N	1000	83.5	0.0	-3.0	0.0	0.0	57.4	0.8	-2.2	0.0	0.0	20.3	0.0	2.0	2.2
142	17641500.19	4751705.48	6.60	1	N	2000	82.7	0.0	-3.0	0.0	0.0	57.4	2.0	-2.4	0.0	0.0	22.4	0.0	2.0	-1.7
142	17641500.19	4751705.48	6.60	1	N	4000	79.0	0.0	-3.0	0.0	0.0	57.4	6.8	-2.4	0.0	0.0	22.4	0.0	2.0	-10.2
142	17641500.19	4751705.48	6.60	1	N	8000	73.9	0.0	-3.0	0.0	0.0	57.4	24.3	-2.4	0.0	0.0	22.4	0.0	2.0	-32.8
142	17641500.19	4751705.48	6.60	1	E	1000	83.5	0.0	0.0	0.0	0.0	57.4	0.8	-2.2	0.0	0.0	20.3	0.0	2.0	5.3
142	17641500.19	4751705.48	6.60	1	E	2000	82.7	0.0	0.0	0.0	0.0	57.4	2.0	-2.4	0.0	0.0	22.4	0.0	2.0	1.3
142	17641500.19	4751705.48	6.60	1	E	4000	79.0	0.0	0.0	0.0	0.0	57.4	6.8	-2.4	0.0	0.0	22.4	0.0	2.0	-7.2
142	17641500.19	4751705.48	6.60	1	E	8000	73.9	0.0	0.0	0.0	0.0	57.4	24.3	-2.4	0.0	0.0	22.4	0.0	2.0	-29.8

Line Source, ISO 9613, Name: "Sobeys Truck Movement", ID: "Trk\_Mov\_Sobeys"

Nr.	X (m)	Y (m)	Z (m)	Refl.	DEN	Freq. (Hz)	Lw dB(A)	l/a dB	Optime dB	K0 (dB)	Di (dB)	Adiv (dB)	Aatm (dB)	Agr (dB)	Afol (dB)	Ahous (dB)	Abar (dB)	Cmet (dB)	RL (dB)	Lr dB(A)
144	17641442.18	4751835.07	2.40	0	D	63	50.4	10.2	0.0	0.0	0.0	49.8	0.0	-3.0	0.0	0.0	11.1	0.0	0.0	2.7
144	17641442.18	4751835.07	2.40	0	D	125	59.0	10.2	0.0	0.0	0.0	49.8	0.0	-0.9	0.0	0.0	12.9	0.0	0.0	7.3
144	17641442.18	4751835.07	2.40	0	D	250	62.6	10.2	0.0	0.0	0.0	49.8	0.1	3.1	0.0	0.0	12.9	0.0	0.0	6.8
144	17641442.18	4751835.07	2.40	0	D	500	64.2	10.2	0.0	0.0	0.0	49.8	0.2	1.1	0.0	0.0	18.2	0.0	0.0	5.2
144	17641442.18	4751835.07	2.40	0	D	1000	64.5	10.2	0.0	0.0	0.0	49.8	0.3	-1.3	0.0	0.0	23.4	0.0	0.0	2.5
144	17641442.18	4751835.07	2.40	0	D	2000	63.7	10.2	0.0	0.0	0.0	49.8	0.8	-1.6	0.0	0.0	26.1	0.0	0.0	-1.2
144	17641442.18	4751835.07	2.40	0	D	4000	61.4	10.2	0.0	0.0	0.0	49.8	2.8	-1.6	0.0	0.0	26.4	0.0	0.0	-5.8
144	17641442.18	4751835.07	2.40	0	D	8000	55.8	10.2	0.0	0.0	0.0	49.8	10.1	-1.6	0.0	0.0	26.5	0.0	0.0	-18.8

























































































































































































































































































































































































































































































Line Source, ISO 9613, Name: "Dollarama Truck Movement", ID: "Trk_Mov_Dollarama"																				
Nr.	X	Y	Z	Ref.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB(A)
1897	17641442.26	4751832.70	2.40	2	E	4000	-46.4	4.6	0.0	0.0	0.0	50.2	3.0	-1.7	0.0	0.0	26.7	0.0	4.0	-123.9
1897	17641442.26	4751832.70	2.40	2	E	8000	-52.0	4.6	0.0	0.0	0.0	50.2	10.6	-1.7	0.0	0.0	26.7	0.0	4.0	-137.2
1899	17641442.19	4751834.83	2.40	1	D	250	54.8	10.4	0.0	0.0	0.0	56.6	0.2	-1.5	0.0	0.0	0.0	0.0	2.0	7.9
1899	17641442.19	4751834.83	2.40	1	D	500	56.4	10.4	0.0	0.0	0.0	56.6	0.4	-2.0	0.0	0.0	0.0	0.0	2.0	9.9
1899	17641442.19	4751834.83	2.40	1	D	1000	56.7	10.4	0.0	0.0	0.0	56.6	0.7	-3.2	0.0	0.0	0.0	0.0	2.0	11.0
1899	17641442.19	4751834.83	2.40	1	D	2000	55.9	10.4	0.0	0.0	0.0	56.6	1.8	-3.4	0.0	0.0	0.0	0.0	2.0	9.2
1899	17641442.19	4751834.83	2.40	1	D	4000	53.6	10.4	0.0	0.0	0.0	56.6	6.2	-3.4	0.0	0.0	0.0	0.0	2.0	2.5
1899	17641442.19	4751834.83	2.40	1	D	8000	48.0	10.4	0.0	0.0	0.0	56.6	22.2	-3.4	0.0	0.0	0.0	0.0	2.0	-19.0
1899	17641442.19	4751834.83	2.40	1	N	250	-45.2	10.4	0.0	0.0	0.0	56.6	0.2	-1.5	0.0	0.0	0.0	0.0	2.0	-92.1
1899	17641442.19	4751834.83	2.40	1	N	500	-43.6	10.4	0.0	0.0	0.0	56.6	0.4	-2.0	0.0	0.0	0.0	0.0	2.0	-90.1
1899	17641442.19	4751834.83	2.40	1	N	1000	-43.3	10.4	0.0	0.0	0.0	56.6	0.7	-3.2	0.0	0.0	0.0	0.0	2.0	-89.0
1899	17641442.19	4751834.83	2.40	1	N	2000	-44.1	10.4	0.0	0.0	0.0	56.6	1.8	-3.4	0.0	0.0	0.0	0.0	2.0	-90.8
1899	17641442.19	4751834.83	2.40	1	N	4000	-46.4	10.4	0.0	0.0	0.0	56.6	6.2	-3.4	0.0	0.0	0.0	0.0	2.0	-97.5
1899	17641442.19	4751834.83	2.40	1	N	8000	-52.0	10.4	0.0	0.0	0.0	56.6	22.2	-3.4	0.0	0.0	0.0	0.0	2.0	-119.0
1899	17641442.19	4751834.83	2.40	1	E	250	-45.2	10.4	0.0	0.0	0.0	56.6	0.2	-1.5	0.0	0.0	0.0	0.0	2.0	-92.1
1899	17641442.19	4751834.83	2.40	1	E	500	-43.6	10.4	0.0	0.0	0.0	56.6	0.4	-2.0	0.0	0.0	0.0	0.0	2.0	-90.1
1899	17641442.19	4751834.83	2.40	1	E	1000	-43.3	10.4	0.0	0.0	0.0	56.6	0.7	-3.2	0.0	0.0	0.0	0.0	2.0	-89.0
1899	17641442.19	4751834.83	2.40	1	E	2000	-44.1	10.4	0.0	0.0	0.0	56.6	1.8	-3.4	0.0	0.0	0.0	0.0	2.0	-90.8
1899	17641442.19	4751834.83	2.40	1	E	4000	-46.4	10.4	0.0	0.0	0.0	56.6	6.2	-3.4	0.0	0.0	0.0	0.0	2.0	-97.5
1899	17641442.19	4751834.83	2.40	1	E	8000	-52.0	10.4	0.0	0.0	0.0	56.6	22.2	-3.4	0.0	0.0	0.0	0.0	2.0	-119.0
1902	17641443.43	4751796.99	2.40	2	D	2000	55.9	4.2	0.0	0.0	0.0	61.9	3.4	-2.8	0.0	0.0	0.0	0.0	4.0	-6.3
1902	17641443.43	4751796.99	2.40	2	D	4000	53.6	4.2	0.0	0.0	0.0	61.9	11.5	-2.8	0.0	0.0	0.0	0.0	4.0	-16.7
1902	17641443.43	4751796.99	2.40	2	D	8000	48.0	4.2	0.0	0.0	0.0	61.9	40.9	-2.8	0.0	0.0	0.0	0.0	4.0	-51.8
1902	17641443.43	4751796.99	2.40	2	N	2000	-44.1	4.2	0.0	0.0	0.0	61.9	3.4	-2.8	0.0	0.0	0.0	0.0	4.0	-106.3
1902	17641443.43	4751796.99	2.40	2	N	4000	-46.4	4.2	0.0	0.0	0.0	61.9	11.5	-2.8	0.0	0.0	0.0	0.0	4.0	-116.7
1902	17641443.43	4751796.99	2.40	2	N	8000	-52.0	4.2	0.0	0.0	0.0	61.9	40.9	-2.8	0.0	0.0	0.0	0.0	4.0	-151.8
1902	17641443.43	4751796.99	2.40	2	E	2000	-44.1	4.2	0.0	0.0	0.0	61.9	3.4	-2.8	0.0	0.0	0.0	0.0	4.0	-106.3
1902	17641443.43	4751796.99	2.40	2	E	4000	-46.4	4.2	0.0	0.0	0.0	61.9	11.5	-2.8	0.0	0.0	0.0	0.0	4.0	-116.7
1902	17641443.43	4751796.99	2.40	2	E	8000	-52.0	4.2	0.0	0.0	0.0	61.9	40.9	-2.8	0.0	0.0	0.0	0.0	4.0	-151.8
1903	17641443.60	4751791.72	2.40	2	D	2000	55.9	9.0	0.0	0.0	0.0	61.9	3.4	-2.9	0.0	0.0	0.0	0.0	4.0	-1.6
1903	17641443.60	4751791.72	2.40	2	D	4000	53.6	9.0	0.0	0.0	0.0	61.9	11.5	-2.9	0.0	0.0	0.0	0.0	4.0	-12.0
1903	17641443.60	4751791.72	2.40	2	D	8000	48.0	9.0	0.0	0.0	0.0	61.9	41.1	-2.9	0.0	0.0	0.0	0.0	4.0	-47.2
1903	17641443.60	4751791.72	2.40	2	N	2000	-44.1	9.0	0.0	0.0	0.0	61.9	3.4	-2.9	0.0	0.0	0.0	0.0	4.0	-101.6
1903	17641443.60	4751791.72	2.40	2	N	4000	-46.4	9.0	0.0	0.0	0.0	61.9	11.5	-2.9	0.0	0.0	0.0	0.0	4.0	-112.0
1903	17641443.60	4751791.72	2.40	2	N	8000	-52.0	9.0	0.0	0.0	0.0	61.9	41.1	-2.9	0.0	0.0	0.0	0.0	4.0	-147.2
1903	17641443.60	4751791.72	2.40	2	E	2000	-44.1	9.0	0.0	0.0	0.0	61.9	3.4	-2.9	0.0	0.0	0.0	0.0	4.0	-101.6
1903	17641443.60	4751791.72	2.40	2	E	4000	-46.4	9.0	0.0	0.0	0.0	61.9	11.5	-2.9	0.0	0.0	0.0	0.0	4.0	-112.0
1903	17641443.60	4751791.72	2.40	2	E	8000	-52.0	9.0	0.0	0.0	0.0	61.9	41.1	-2.9	0.0	0.0	0.0	0.0	4.0	-147.2
1905	17641443.78	4751786.25	2.40	2	D	2000	55.9	4.8	0.0	0.0	0.0	62.0	3.4	-2.9	0.0	0.0	0.0	0.0	4.0	-5.7
1905	17641443.78	4751786.25	2.40	2	D	4000	53.6	4.8	0.0	0.0	0.0	62.0	11.6	-2.9	0.0	0.0	0.0	0.0	4.0	-16.2
1905	17641443.78	4751786.25	2.40	2	D	8000	48.0	4.8	0.0	0.0	0.0	62.0	41.3	-2.9	0.0	0.0	0.0	0.0	4.0	-51.5
1905	17641443.78	4751786.25	2.40	2	N	2000	-44.1	4.8	0.0	0.0	0.0	62.0	3.4	-2.9	0.0	0.0	0.0	0.0	4.0	-105.7
1905	17641443.78	4751786.25	2.40	2	N	4000	-46.4	4.8	0.0	0.0	0.0	62.0	11.6	-2.9	0.0	0.0	0.0	0.0	4.0	-116.2
1905	17641443.78	4751786.25	2.40	2	N	8000	-52.0	4.8	0.0	0.0	0.0	62.0	41.3	-2.9	0.0	0.0	0.0	0.0	4.0	-151.5
1905	17641443.78	4751786.25	2.40	2	E	2000	-44.1	4.8	0.0	0.0	0.0	62.0	3.4	-2.9	0.0	0.0	0.0	0.0	4.0	-105.7
1905	17641443.78	4751786.25	2.40	2	E	4000	-46.4	4.8	0.0	0.0	0.0	62.0	11.6	-2.9	0.0	0.0	0.0	0.0	4.0	-116.2
1905	17641443.78	4751786.25	2.40	2	E	8000	-52.0	4.8	0.0	0.0	0.0	62.0	41.3	-2.9	0.0	0.0	0.0	0.0	4.0	-151.5
1907	17641442.34	4751830.24	2.40	2	D	2000	55.9	11.3	0.0	0.0	0.0	61.8	3.3	-3.1	0.0	0.0	0.0	0.0	4.0	1.1
1907	17641442.34	4751830.24	2.40	2	D	4000	53.6	11.3	0.0	0.0	0.0	61.8	11.3	-3.1	0.0	0.0	0.0	0.0	4.0	-9.2
1907	17641442.34	4751830.24	2.40	2	D	8000	48.0	11.3	0.0	0.0	0.0	61.8	40.4	-3.1	0.0	0.0	0.0	0.0	4.0	-43.8
1907	17641442.34	4751830.24	2.40	2	N	2000	-44.1	11.3	0.0	0.0	0.0	61.8	3.3	-3.1	0.0	0.0	0.0	0.0	4.0	-98.9
1907	17641442.34	4751830.24	2.40	2	N	4000	-46.4	11.3	0.0	0.0	0.0	61.8	11.3	-3.1	0.0	0.0	0.0	0.0	4.0	-109.2
1907	17641442.34	4751830.24	2.40	2	N	8000	-52.0	11.3	0.0	0.0	0.0	61.8	40.4	-3.1	0.0	0.0	0.0	0.0	4.0	-143.8
1907	17641442.34	4751830.24	2.40	2	E	2000	-44.1	11.3	0.0	0.0	0.0	61.8	3.3	-3.1	0.0	0.0	0.0	0.0	4.0	-98.9
1907	17641442.34	4751830.24	2.40	2	E	4000	-46.4	11.3	0.0	0.0	0.0	61.8	11.3	-3.1	0.0	0.0	0.0	0.0	4.0	-109.2
1907	17641442.34	4751830.24	2.40	2	E	8000	-52.0	11.3	0.0	0.0	0.0	61.8	40.4	-3.1	0.0	0.0	0.0	0.0	4.0	-143.8
1909	17641442.91	4751813.01	2.40	2	D	500	56.4	13.5	0.0	0.0	0.0	52.8	0.2	2.4	0.0	0.0	11.4	0.0	4.0	-1.1
1909	17641442.91	4751813.01	2.40	2	D	1000	56.7	13.5	0.0	0.0	0.0	52.8	0.5	-1.1	0.0	0.0	17.8	0.0	4.0	-3.9
1909	17641442.91	4751813.01	2.40	2	D	2000	55.9	13.5	0.0	0.0	0.0	52.8	1.2	-1.6	0.0	0.0	21.3	0.0	4.0	-8.3
1909	17641442.91	4751813.01	2.40	2	D	4000	53.6	13.5	0.0	0.0	0.0	52.8	4.0	-1.6	0.0	0.0	24.2	0.0	4.0	-16.4
1909	17641442.91	4751813.01	2.40	2	D	8000	48.0	13.5	0.0	0.0	0.0	52.8	14.4	-1.6	0.0	0.0	26.6	0.0	4.0	-34.8
1909	17641442.91	4751813.01	2.40	2	N	500	-43.6	13.5	0.0	0.0	0.0	52.8	0.2	2.4	0.0	0.0	11.4	0.0	4.0	-101.1
1909	17641442.91	4751813.01	2.40	2	N	1000	-43.3	13.5	0.0	0.0	0.0	52.8	0.5	-1.1	0.0					







































































Point Source, ISO 9613, Name: "Carrier 48TCEA04", ID: "RTU20"																				
Nr.	X	Y	Z	Ref.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	dB(A)						
1813	17641492.85	4751689.39	6.40	1	D	2000	72.5	0.0	0.0	0.0	0.0	60.9	3.0	-2.4	0.0	0.0	7.7	0.0	2.0	1.3
1813	17641492.85	4751689.39	6.40	1	D	4000	69.5	0.0	0.0	0.0	0.0	60.9	10.2	-2.4	0.0	0.0	8.2	0.0	2.0	-9.4
1813	17641492.85	4751689.39	6.40	1	D	8000	62.8	0.0	0.0	0.0	0.0	60.9	36.5	-2.4	0.0	0.0	9.0	0.0	2.0	-43.1
1813	17641492.85	4751689.39	6.40	1	N	500	72.8	0.0	-3.0	0.0	0.0	60.9	0.6	0.5	0.0	0.0	4.4	0.0	2.0	1.4
1813	17641492.85	4751689.39	6.40	1	N	1000	74.6	0.0	-3.0	0.0	0.0	60.9	1.1	-2.0	0.0	0.0	7.1	0.0	2.0	2.5
1813	17641492.85	4751689.39	6.40	1	N	2000	72.5	0.0	-3.0	0.0	0.0	60.9	3.0	-2.4	0.0	0.0	7.7	0.0	2.0	-1.7
1813	17641492.85	4751689.39	6.40	1	N	4000	69.5	0.0	-3.0	0.0	0.0	60.9	10.2	-2.4	0.0	0.0	8.2	0.0	2.0	-12.4
1813	17641492.85	4751689.39	6.40	1	N	8000	62.8	0.0	-3.0	0.0	0.0	60.9	36.5	-2.4	0.0	0.0	9.0	0.0	2.0	-46.1
1813	17641492.85	4751689.39	6.40	1	E	500	72.8	0.0	0.0	0.0	0.0	60.9	0.6	0.5	0.0	0.0	4.4	0.0	2.0	4.4
1813	17641492.85	4751689.39	6.40	1	E	1000	74.6	0.0	0.0	0.0	0.0	60.9	1.1	-2.0	0.0	0.0	7.1	0.0	2.0	5.5
1813	17641492.85	4751689.39	6.40	1	E	2000	72.5	0.0	0.0	0.0	0.0	60.9	3.0	-2.4	0.0	0.0	7.7	0.0	2.0	1.3
1813	17641492.85	4751689.39	6.40	1	E	4000	69.5	0.0	0.0	0.0	0.0	60.9	10.2	-2.4	0.0	0.0	8.2	0.0	2.0	-9.4
1813	17641492.85	4751689.39	6.40	1	E	8000	62.8	0.0	0.0	0.0	0.0	60.9	36.5	-2.4	0.0	0.0	9.0	0.0	2.0	-43.1
1817	17641492.85	4751689.39	6.40	1	D	1000	74.6	0.0	0.0	0.0	0.0	57.8	0.8	-2.4	0.0	0.0	20.6	0.0	2.0	-4.2
1817	17641492.85	4751689.39	6.40	1	D	2000	72.5	0.0	0.0	0.0	0.0	57.8	2.1	-2.5	0.0	0.0	22.5	0.0	2.0	-9.4
1817	17641492.85	4751689.39	6.40	1	D	4000	69.5	0.0	0.0	0.0	0.0	57.8	7.2	-2.5	0.0	0.0	22.5	0.0	2.0	-17.5
1817	17641492.85	4751689.39	6.40	1	D	8000	62.8	0.0	0.0	0.0	0.0	57.8	25.6	-2.5	0.0	0.0	22.5	0.0	2.0	-42.6
1817	17641492.85	4751689.39	6.40	1	N	1000	74.6	0.0	-3.0	0.0	0.0	57.8	0.8	-2.4	0.0	0.0	20.6	0.0	2.0	-7.2
1817	17641492.85	4751689.39	6.40	1	N	2000	72.5	0.0	-3.0	0.0	0.0	57.8	2.1	-2.5	0.0	0.0	22.5	0.0	2.0	-12.5
1817	17641492.85	4751689.39	6.40	1	N	4000	69.5	0.0	-3.0	0.0	0.0	57.8	7.2	-2.5	0.0	0.0	22.5	0.0	2.0	-20.5
1817	17641492.85	4751689.39	6.40	1	N	8000	62.8	0.0	-3.0	0.0	0.0	57.8	25.6	-2.5	0.0	0.0	22.5	0.0	2.0	-45.7
1817	17641492.85	4751689.39	6.40	1	E	1000	74.6	0.0	0.0	0.0	0.0	57.8	0.8	-2.4	0.0	0.0	20.6	0.0	2.0	-4.2
1817	17641492.85	4751689.39	6.40	1	E	2000	72.5	0.0	0.0	0.0	0.0	57.8	2.1	-2.5	0.0	0.0	22.5	0.0	2.0	-9.4
1817	17641492.85	4751689.39	6.40	1	E	4000	69.5	0.0	0.0	0.0	0.0	57.8	7.2	-2.5	0.0	0.0	22.5	0.0	2.0	-17.5
1817	17641492.85	4751689.39	6.40	1	E	8000	62.8	0.0	0.0	0.0	0.0	57.8	25.6	-2.5	0.0	0.0	22.5	0.0	2.0	-42.6

Point Source, ISO 9613, Name: "Condenser", ID: "COND4"																				
Nr.	X	Y	Z	Ref.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	dB(A)						
1821	17641513.95	4751635.40	7.60	0	D	32	47.3	0.0	0.0	0.0	0.0	59.2	0.0	-3.0	0.0	0.0	5.8	0.0	0.0	-14.7
1821	17641513.95	4751635.40	7.60	0	D	63	65.9	0.0	0.0	0.0	0.0	59.2	0.0	-3.0	0.0	0.0	7.6	0.0	0.0	2.1
1821	17641513.95	4751635.40	7.60	0	D	125	71.3	0.0	0.0	0.0	0.0	59.2	0.1	-2.2	0.0	0.0	9.4	0.0	0.0	4.8
1821	17641513.95	4751635.40	7.60	0	D	250	71.2	0.0	0.0	0.0	0.0	59.2	0.3	-0.8	0.0	0.0	11.2	0.0	0.0	1.3
1821	17641513.95	4751635.40	7.60	0	D	500	74.0	0.0	0.0	0.0	0.0	59.2	0.5	-1.3	0.0	0.0	14.2	0.0	0.0	1.5
1821	17641513.95	4751635.40	7.60	0	D	1000	75.1	0.0	0.0	0.0	0.0	59.2	0.9	-2.4	0.0	0.0	17.6	0.0	0.0	-0.2
1821	17641513.95	4751635.40	7.60	0	D	2000	70.4	0.0	0.0	0.0	0.0	59.2	2.5	-2.6	0.0	0.0	20.0	0.0	0.0	-8.6
1821	17641513.95	4751635.40	7.60	0	D	4000	64.2	0.0	0.0	0.0	0.0	59.2	8.4	-2.6	0.0	0.0	21.1	0.0	0.0	-21.8
1821	17641513.95	4751635.40	7.60	0	D	8000	57.0	0.0	0.0	0.0	0.0	59.2	29.9	-2.6	0.0	0.0	21.8	0.0	0.0	-51.3
1821	17641513.95	4751635.40	7.60	0	N	32	47.3	0.0	0.0	0.0	0.0	59.2	0.0	-3.0	0.0	0.0	5.8	0.0	0.0	-14.7
1821	17641513.95	4751635.40	7.60	0	N	63	65.9	0.0	0.0	0.0	0.0	59.2	0.0	-3.0	0.0	0.0	7.6	0.0	0.0	2.1
1821	17641513.95	4751635.40	7.60	0	N	125	71.3	0.0	0.0	0.0	0.0	59.2	0.1	-2.2	0.0	0.0	9.4	0.0	0.0	4.8
1821	17641513.95	4751635.40	7.60	0	N	250	71.2	0.0	0.0	0.0	0.0	59.2	0.3	-0.8	0.0	0.0	11.2	0.0	0.0	1.3
1821	17641513.95	4751635.40	7.60	0	N	500	74.0	0.0	0.0	0.0	0.0	59.2	0.5	-1.3	0.0	0.0	14.2	0.0	0.0	1.5
1821	17641513.95	4751635.40	7.60	0	N	1000	75.1	0.0	0.0	0.0	0.0	59.2	0.9	-2.4	0.0	0.0	17.6	0.0	0.0	-0.2
1821	17641513.95	4751635.40	7.60	0	N	2000	70.4	0.0	0.0	0.0	0.0	59.2	2.5	-2.6	0.0	0.0	20.0	0.0	0.0	-8.6
1821	17641513.95	4751635.40	7.60	0	N	4000	64.2	0.0	0.0	0.0	0.0	59.2	8.4	-2.6	0.0	0.0	21.1	0.0	0.0	-21.8
1821	17641513.95	4751635.40	7.60	0	N	8000	57.0	0.0	0.0	0.0	0.0	59.2	29.9	-2.6	0.0	0.0	21.8	0.0	0.0	-51.3
1821	17641513.95	4751635.40	7.60	0	E	32	47.3	0.0	0.0	0.0	0.0	59.2	0.0	-3.0	0.0	0.0	5.8	0.0	0.0	-14.7
1821	17641513.95	4751635.40	7.60	0	E	63	65.9	0.0	0.0	0.0	0.0	59.2	0.0	-3.0	0.0	0.0	7.6	0.0	0.0	2.1
1821	17641513.95	4751635.40	7.60	0	E	125	71.3	0.0	0.0	0.0	0.0	59.2	0.1	-2.2	0.0	0.0	9.4	0.0	0.0	4.8
1821	17641513.95	4751635.40	7.60	0	E	250	71.2	0.0	0.0	0.0	0.0	59.2	0.3	-0.8	0.0	0.0	11.2	0.0	0.0	1.3
1821	17641513.95	4751635.40	7.60	0	E	500	74.0	0.0	0.0	0.0	0.0	59.2	0.5	-1.3	0.0	0.0	14.2	0.0	0.0	1.5
1821	17641513.95	4751635.40	7.60	0	E	1000	75.1	0.0	0.0	0.0	0.0	59.2	0.9	-2.4	0.0	0.0	17.6	0.0	0.0	-0.2
1821	17641513.95	4751635.40	7.60	0	E	2000	70.4	0.0	0.0	0.0	0.0	59.2	2.5	-2.6	0.0	0.0	20.0	0.0	0.0	-8.6
1821	17641513.95	4751635.40	7.60	0	E	4000	64.2	0.0	0.0	0.0	0.0	59.2	8.4	-2.6	0.0	0.0	21.1	0.0	0.0	-21.8
1821	17641513.95	4751635.40	7.60	0	E	8000	57.0	0.0	0.0	0.0	0.0	59.2	29.9	-2.6	0.0	0.0	21.8	0.0	0.0	-51.3
1823	17641513.95	4751635.40	7.60	2	D	500	74.0	0.0	0.0	0.0	0.0	62.6	0.7	2.2	0.0	0.0	2.6	0.0	4.0	1.9
1823	17641513.95	4751635.40	7.60	2	D	1000	75.1	0.0	0.0	0.0	0.0	62.6	1.4	-1.6	0.0	0.0	6.3	0.0	4.0	2.4
1823	17641513.95	4751635.40	7.60	2	D	2000	70.4	0.0	0.0	0.0	0.0	62.6	3.7	-2.1	0.0	0.0	6.9	0.0	4.0	-4.6
1823	17641513.95	4751635.40	7.60	2	D	4000	64.2	0.0	0.0	0.0	0.0	62.6	12.4	-2.1	0.0	0.0	6.9	0.0	4.0	-19.6
1823	17641513.95	4751635.40	7.60	2	D	8000	57.0	0.0	0.0	0.0	0.0	62.6	44.3	-2.1	0.0	0.0	6.9	0.0	4.0	-58.6
1823	17641513.95	4751635.40	7.60	2	N	500	74.0	0.0	0.0	0.0	0.0	62.6	0.7	2.2	0.0	0.0	2.6	0.0	4.0	1.9
1823	17641513.95	4751635.40	7.60	2	N	1000	75.1	0.0	0.0	0.0	0.0	62.6	1.4	-1.6	0.0	0.0	6.3	0.0	4.0	2.4

Point Source, ISO 9613, Name: "Condenser", ID: "COND4"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)						
1823	17641513.95	4751635.40	7.60	2	N	2000	70.4	0.0	0.0	0.0	0.0	62.6	3.7	-2.1	0.0	0.0	6.9	0.0	4.0	-4.6
1823	17641513.95	4751635.40	7.60	2	N	4000	64.2	0.0	0.0	0.0	0.0	62.6	12.4	-2.1	0.0	0.0	6.9	0.0	4.0	-19.6
1823	17641513.95	4751635.40	7.60	2	N	8000	57.0	0.0	0.0	0.0	0.0	62.6	44.3	-2.1	0.0	0.0	6.9	0.0	4.0	-58.6
1823	17641513.95	4751635.40	7.60	2	E	500	74.0	0.0	0.0	0.0	0.0	62.6	0.7	2.2	0.0	0.0	2.6	0.0	4.0	1.9
1823	17641513.95	4751635.40	7.60	2	E	1000	75.1	0.0	0.0	0.0	0.0	62.6	1.4	-1.6	0.0	0.0	6.3	0.0	4.0	2.4
1823	17641513.95	4751635.40	7.60	2	E	2000	70.4	0.0	0.0	0.0	0.0	62.6	3.7	-2.1	0.0	0.0	6.9	0.0	4.0	-4.6
1823	17641513.95	4751635.40	7.60	2	E	4000	64.2	0.0	0.0	0.0	0.0	62.6	12.4	-2.1	0.0	0.0	6.9	0.0	4.0	-19.6
1823	17641513.95	4751635.40	7.60	2	E	8000	57.0	0.0	0.0	0.0	0.0	62.6	44.3	-2.1	0.0	0.0	6.9	0.0	4.0	-58.6
1824	17641513.95	4751635.40	7.60	1	D	500	74.0	0.0	0.0	0.0	0.0	62.3	0.7	0.5	0.0	0.0	4.2	0.0	2.0	4.2
1824	17641513.95	4751635.40	7.60	1	D	1000	75.1	0.0	0.0	0.0	0.0	62.3	1.3	-2.0	0.0	0.0	6.8	0.0	2.0	4.7
1824	17641513.95	4751635.40	7.60	1	D	2000	70.4	0.0	0.0	0.0	0.0	62.3	3.5	-2.4	0.0	0.0	7.2	0.0	2.0	-2.2
1824	17641513.95	4751635.40	7.60	1	D	4000	64.2	0.0	0.0	0.0	0.0	62.3	12.0	-2.4	0.0	0.0	7.3	0.0	2.0	-16.9
1824	17641513.95	4751635.40	7.60	1	D	8000	57.0	0.0	0.0	0.0	0.0	62.3	42.8	-2.4	0.0	0.0	7.3	0.0	2.0	-54.9
1824	17641513.95	4751635.40	7.60	1	N	500	74.0	0.0	0.0	0.0	0.0	62.3	0.7	0.5	0.0	0.0	4.2	0.0	2.0	4.2
1824	17641513.95	4751635.40	7.60	1	N	1000	75.1	0.0	0.0	0.0	0.0	62.3	1.3	-2.0	0.0	0.0	6.8	0.0	2.0	4.7
1824	17641513.95	4751635.40	7.60	1	N	2000	70.4	0.0	0.0	0.0	0.0	62.3	3.5	-2.4	0.0	0.0	7.2	0.0	2.0	-2.2
1824	17641513.95	4751635.40	7.60	1	N	4000	64.2	0.0	0.0	0.0	0.0	62.3	12.0	-2.4	0.0	0.0	7.3	0.0	2.0	-16.9
1824	17641513.95	4751635.40	7.60	1	N	8000	57.0	0.0	0.0	0.0	0.0	62.3	42.8	-2.4	0.0	0.0	7.3	0.0	2.0	-54.9
1824	17641513.95	4751635.40	7.60	1	E	500	74.0	0.0	0.0	0.0	0.0	62.3	0.7	0.5	0.0	0.0	4.2	0.0	2.0	4.2
1824	17641513.95	4751635.40	7.60	1	E	1000	75.1	0.0	0.0	0.0	0.0	62.3	1.3	-2.0	0.0	0.0	6.8	0.0	2.0	4.7
1824	17641513.95	4751635.40	7.60	1	E	2000	70.4	0.0	0.0	0.0	0.0	62.3	3.5	-2.4	0.0	0.0	7.2	0.0	2.0	-2.2
1824	17641513.95	4751635.40	7.60	1	E	4000	64.2	0.0	0.0	0.0	0.0	62.3	12.0	-2.4	0.0	0.0	7.3	0.0	2.0	-16.9
1824	17641513.95	4751635.40	7.60	1	E	8000	57.0	0.0	0.0	0.0	0.0	62.3	42.8	-2.4	0.0	0.0	7.3	0.0	2.0	-54.9

Point Source, ISO 9613, Name: "Penn Exhaust Fan", ID: "EF1"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)						
1826	17641503.17	4751807.01	7.00	0	D	63	40.8	0.0	0.0	0.0	0.0	49.5	0.0	-3.0	0.0	0.0	4.7	0.0	0.0	-10.4
1826	17641503.17	4751807.01	7.00	0	D	125	58.9	0.0	0.0	0.0	0.0	49.5	0.0	-2.0	0.0	0.0	6.4	0.0	0.0	4.9
1826	17641503.17	4751807.01	7.00	0	D	250	62.4	0.0	0.0	0.0	0.0	49.5	0.1	-0.9	0.0	0.0	9.0	0.0	0.0	4.6
1826	17641503.17	4751807.01	7.00	0	D	500	61.8	0.0	0.0	0.0	0.0	49.5	0.2	-1.3	0.0	0.0	12.2	0.0	0.0	1.2
1826	17641503.17	4751807.01	7.00	0	D	1000	65.0	0.0	0.0	0.0	0.0	49.5	0.3	-2.3	0.0	0.0	15.4	0.0	0.0	2.0
1826	17641503.17	4751807.01	7.00	0	D	2000	63.2	0.0	0.0	0.0	0.0	49.5	0.8	-2.4	0.0	0.0	17.9	0.0	0.0	-2.7
1826	17641503.17	4751807.01	7.00	0	D	4000	61.0	0.0	0.0	0.0	0.0	49.5	2.8	-2.4	0.0	0.0	19.6	0.0	0.0	-8.5
1826	17641503.17	4751807.01	7.00	0	D	8000	55.9	0.0	0.0	0.0	0.0	49.5	9.9	-2.4	0.0	0.0	20.8	0.0	0.0	-21.9
1826	17641503.17	4751807.01	7.00	0	N	63	40.8	0.0	0.0	0.0	0.0	49.5	0.0	-3.0	0.0	0.0	4.7	0.0	0.0	-10.4
1826	17641503.17	4751807.01	7.00	0	N	125	58.9	0.0	0.0	0.0	0.0	49.5	0.0	-2.0	0.0	0.0	6.4	0.0	0.0	4.9
1826	17641503.17	4751807.01	7.00	0	N	250	62.4	0.0	0.0	0.0	0.0	49.5	0.1	-0.9	0.0	0.0	9.0	0.0	0.0	4.6
1826	17641503.17	4751807.01	7.00	0	N	500	61.8	0.0	0.0	0.0	0.0	49.5	0.2	-1.3	0.0	0.0	12.2	0.0	0.0	1.2
1826	17641503.17	4751807.01	7.00	0	N	1000	65.0	0.0	0.0	0.0	0.0	49.5	0.3	-2.3	0.0	0.0	15.4	0.0	0.0	2.0
1826	17641503.17	4751807.01	7.00	0	N	2000	63.2	0.0	0.0	0.0	0.0	49.5	0.8	-2.4	0.0	0.0	17.9	0.0	0.0	-2.7
1826	17641503.17	4751807.01	7.00	0	N	4000	61.0	0.0	0.0	0.0	0.0	49.5	2.8	-2.4	0.0	0.0	19.6	0.0	0.0	-8.5
1826	17641503.17	4751807.01	7.00	0	N	8000	55.9	0.0	0.0	0.0	0.0	49.5	9.9	-2.4	0.0	0.0	20.8	0.0	0.0	-21.9
1826	17641503.17	4751807.01	7.00	0	E	63	40.8	0.0	0.0	0.0	0.0	49.5	0.0	-3.0	0.0	0.0	4.7	0.0	0.0	-10.4
1826	17641503.17	4751807.01	7.00	0	E	125	58.9	0.0	0.0	0.0	0.0	49.5	0.0	-2.0	0.0	0.0	6.4	0.0	0.0	4.9
1826	17641503.17	4751807.01	7.00	0	E	250	62.4	0.0	0.0	0.0	0.0	49.5	0.1	-0.9	0.0	0.0	9.0	0.0	0.0	4.6
1826	17641503.17	4751807.01	7.00	0	E	500	61.8	0.0	0.0	0.0	0.0	49.5	0.2	-1.3	0.0	0.0	12.2	0.0	0.0	1.2
1826	17641503.17	4751807.01	7.00	0	E	1000	65.0	0.0	0.0	0.0	0.0	49.5	0.3	-2.3	0.0	0.0	15.4	0.0	0.0	2.0
1826	17641503.17	4751807.01	7.00	0	E	2000	63.2	0.0	0.0	0.0	0.0	49.5	0.8	-2.4	0.0	0.0	17.9	0.0	0.0	-2.7
1826	17641503.17	4751807.01	7.00	0	E	4000	61.0	0.0	0.0	0.0	0.0	49.5	2.8	-2.4	0.0	0.0	19.6	0.0	0.0	-8.5
1826	17641503.17	4751807.01	7.00	0	E	8000	55.9	0.0	0.0	0.0	0.0	49.5	9.9	-2.4	0.0	0.0	20.8	0.0	0.0	-21.9
1828	17641503.17	4751807.01	7.00	2	D	500	61.8	0.0	0.0	0.0	0.0	57.3	0.4	2.9	0.0	0.0	1.9	0.0	4.0	-4.8
1828	17641503.17	4751807.01	7.00	2	D	1000	65.0	0.0	0.0	0.0	0.0	57.3	0.8	-0.6	0.0	0.0	5.5	0.0	4.0	-2.0
1828	17641503.17	4751807.01	7.00	2	D	2000	63.2	0.0	0.0	0.0	0.0	57.3	2.0	-1.2	0.0	0.0	6.2	0.0	4.0	-5.2
1828	17641503.17	4751807.01	7.00	2	D	4000	61.0	0.0	0.0	0.0	0.0	57.3	6.8	-1.2	0.0	0.0	6.5	0.0	4.0	-12.4
1828	17641503.17	4751807.01	7.00	2	D	8000	55.9	0.0	0.0	0.0	0.0	57.3	24.2	-1.2	0.0	0.0	7.0	0.0	4.0	-35.4
1828	17641503.17	4751807.01	7.00	2	N	500	61.8	0.0	0.0	0.0	0.0	57.3	0.4	2.9	0.0	0.0	1.9	0.0	4.0	-4.8
1828	17641503.17	4751807.01	7.00	2	N	1000	65.0	0.0	0.0	0.0	0.0	57.3	0.8	-0.6	0.0	0.0	5.5	0.0	4.0	-2.0
1828	17641503.17	4751807.01	7.00	2	N	2000	63.2	0.0	0.0	0.0	0.0	57.3	2.0	-1.2	0.0	0.0	6.2	0.0	4.0	-5.2
1828	17641503.17	4751807.01	7.00	2	N	4000	61.0	0.0	0.0	0.0	0.0	57.3	6.8	-1.2	0.0	0.0	6.5	0.0	4.0	-12.4
1828	17641503.17	4751807.01	7.00	2	N	8000	55.9	0.0	0.0	0.0	0.0	57.3	24.2	-1.2	0.0	0.0	7.0	0.0	4.0	-35.4
1828	17641503.17	4751807.01	7.00	2	E	500	61.8	0.0	0.0	0.0	0.0	57.3	0.4	2.9	0.0	0.0	1.9	0.0	4.0	-4.8
1828	17641503.17	4751807.01	7.00	2	E	1000	65.0	0.0	0.0	0.0	0.0	57.3	0.8	-0.6	0.0	0.0	5.5	0.0	4.0	-2.0

Point Source, ISO 9613, Name: "Penn Exhaust Fan", ID: "EF1"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	dB(A)						
1828	17641503.17	4751807.01	7.00	2	E	2000	63.2	0.0	0.0	0.0	0.0	57.3	2.0	-1.2	0.0	0.0	6.2	0.0	4.0	-5.2
1828	17641503.17	4751807.01	7.00	2	E	4000	61.0	0.0	0.0	0.0	0.0	57.3	6.8	-1.2	0.0	0.0	6.5	0.0	4.0	-12.4
1828	17641503.17	4751807.01	7.00	2	E	8000	55.9	0.0	0.0	0.0	0.0	57.3	24.2	-1.2	0.0	0.0	7.0	0.0	4.0	-35.4
1830	17641503.17	4751807.01	7.00	1	D	500	61.8	0.0	0.0	0.0	0.0	56.8	0.4	1.3	0.0	0.0	3.6	0.0	2.0	-2.3
1830	17641503.17	4751807.01	7.00	1	D	1000	65.0	0.0	0.0	0.0	0.0	56.8	0.7	-1.2	0.0	0.0	6.3	0.0	2.0	0.4
1830	17641503.17	4751807.01	7.00	1	D	2000	63.2	0.0	0.0	0.0	0.0	56.8	1.9	-1.6	0.0	0.0	7.0	0.0	2.0	-2.9
1830	17641503.17	4751807.01	7.00	1	D	4000	61.0	0.0	0.0	0.0	0.0	56.8	6.4	-1.6	0.0	0.0	7.5	0.0	2.0	-10.1
1830	17641503.17	4751807.01	7.00	1	D	8000	55.9	0.0	0.0	0.0	0.0	56.8	22.7	-1.6	0.0	0.0	8.4	0.0	2.0	-32.5
1830	17641503.17	4751807.01	7.00	1	N	500	61.8	0.0	0.0	0.0	0.0	56.8	0.4	1.3	0.0	0.0	3.6	0.0	2.0	-2.3
1830	17641503.17	4751807.01	7.00	1	N	1000	65.0	0.0	0.0	0.0	0.0	56.8	0.7	-1.2	0.0	0.0	6.3	0.0	2.0	0.4
1830	17641503.17	4751807.01	7.00	1	N	2000	63.2	0.0	0.0	0.0	0.0	56.8	1.9	-1.6	0.0	0.0	7.0	0.0	2.0	-2.9
1830	17641503.17	4751807.01	7.00	1	N	4000	61.0	0.0	0.0	0.0	0.0	56.8	6.4	-1.6	0.0	0.0	7.5	0.0	2.0	-10.1
1830	17641503.17	4751807.01	7.00	1	N	8000	55.9	0.0	0.0	0.0	0.0	56.8	22.7	-1.6	0.0	0.0	8.4	0.0	2.0	-32.5
1830	17641503.17	4751807.01	7.00	1	E	500	61.8	0.0	0.0	0.0	0.0	56.8	0.4	1.3	0.0	0.0	3.6	0.0	2.0	-2.3
1830	17641503.17	4751807.01	7.00	1	E	1000	65.0	0.0	0.0	0.0	0.0	56.8	0.7	-1.2	0.0	0.0	6.3	0.0	2.0	0.4
1830	17641503.17	4751807.01	7.00	1	E	2000	63.2	0.0	0.0	0.0	0.0	56.8	1.9	-1.6	0.0	0.0	7.0	0.0	2.0	-2.9
1830	17641503.17	4751807.01	7.00	1	E	4000	61.0	0.0	0.0	0.0	0.0	56.8	6.4	-1.6	0.0	0.0	7.5	0.0	2.0	-10.1
1830	17641503.17	4751807.01	7.00	1	E	8000	55.9	0.0	0.0	0.0	0.0	56.8	22.7	-1.6	0.0	0.0	8.4	0.0	2.0	-32.5

Point Source, ISO 9613, Name: "Condenser", ID: "COND3"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	dB(A)						
1833	17641499.86	4751633.19	7.60	0	D	32	47.3	0.0	0.0	0.0	0.0	59.2	0.0	-3.0	0.0	0.0	8.3	0.0	0.0	-17.3
1833	17641499.86	4751633.19	7.60	0	D	63	65.9	0.0	0.0	0.0	0.0	59.2	0.0	-3.0	0.0	0.0	10.3	0.0	0.0	-0.6
1833	17641499.86	4751633.19	7.60	0	D	125	71.3	0.0	0.0	0.0	0.0	59.2	0.1	-2.2	0.0	0.0	11.8	0.0	0.0	2.3
1833	17641499.86	4751633.19	7.60	0	D	250	71.2	0.0	0.0	0.0	0.0	59.2	0.3	-0.8	0.0	0.0	13.1	0.0	0.0	-0.6
1833	17641499.86	4751633.19	7.60	0	D	500	74.0	0.0	0.0	0.0	0.0	59.2	0.5	-1.3	0.0	0.0	16.2	0.0	0.0	-0.7
1833	17641499.86	4751633.19	7.60	0	D	1000	75.1	0.0	0.0	0.0	0.0	59.2	0.9	-2.4	0.0	0.0	20.0	0.0	0.0	-2.7
1833	17641499.86	4751633.19	7.60	0	D	2000	70.4	0.0	0.0	0.0	0.0	59.2	2.5	-2.6	0.0	0.0	22.0	0.0	0.0	-10.8
1833	17641499.86	4751633.19	7.60	0	D	4000	64.2	0.0	0.0	0.0	0.0	59.2	8.5	-2.6	0.0	0.0	22.3	0.0	0.0	-23.2
1833	17641499.86	4751633.19	7.60	0	D	8000	57.0	0.0	0.0	0.0	0.0	59.2	30.2	-2.6	0.0	0.0	22.5	0.0	0.0	-52.3
1833	17641499.86	4751633.19	7.60	0	N	32	47.3	0.0	0.0	0.0	0.0	59.2	0.0	-3.0	0.0	0.0	8.3	0.0	0.0	-17.3
1833	17641499.86	4751633.19	7.60	0	N	63	65.9	0.0	0.0	0.0	0.0	59.2	0.0	-3.0	0.0	0.0	10.3	0.0	0.0	-0.6
1833	17641499.86	4751633.19	7.60	0	N	125	71.3	0.0	0.0	0.0	0.0	59.2	0.1	-2.2	0.0	0.0	11.8	0.0	0.0	2.3
1833	17641499.86	4751633.19	7.60	0	N	250	71.2	0.0	0.0	0.0	0.0	59.2	0.3	-0.8	0.0	0.0	13.1	0.0	0.0	-0.6
1833	17641499.86	4751633.19	7.60	0	N	500	74.0	0.0	0.0	0.0	0.0	59.2	0.5	-1.3	0.0	0.0	16.2	0.0	0.0	-0.7
1833	17641499.86	4751633.19	7.60	0	N	1000	75.1	0.0	0.0	0.0	0.0	59.2	0.9	-2.4	0.0	0.0	20.0	0.0	0.0	-2.7
1833	17641499.86	4751633.19	7.60	0	N	2000	70.4	0.0	0.0	0.0	0.0	59.2	2.5	-2.6	0.0	0.0	22.0	0.0	0.0	-10.8
1833	17641499.86	4751633.19	7.60	0	N	4000	64.2	0.0	0.0	0.0	0.0	59.2	8.5	-2.6	0.0	0.0	22.3	0.0	0.0	-23.2
1833	17641499.86	4751633.19	7.60	0	N	8000	57.0	0.0	0.0	0.0	0.0	59.2	30.2	-2.6	0.0	0.0	22.5	0.0	0.0	-52.3
1833	17641499.86	4751633.19	7.60	0	E	32	47.3	0.0	0.0	0.0	0.0	59.2	0.0	-3.0	0.0	0.0	8.3	0.0	0.0	-17.3
1833	17641499.86	4751633.19	7.60	0	E	63	65.9	0.0	0.0	0.0	0.0	59.2	0.0	-3.0	0.0	0.0	10.3	0.0	0.0	-0.6
1833	17641499.86	4751633.19	7.60	0	E	125	71.3	0.0	0.0	0.0	0.0	59.2	0.1	-2.2	0.0	0.0	11.8	0.0	0.0	2.3
1833	17641499.86	4751633.19	7.60	0	E	250	71.2	0.0	0.0	0.0	0.0	59.2	0.3	-0.8	0.0	0.0	13.1	0.0	0.0	-0.6
1833	17641499.86	4751633.19	7.60	0	E	500	74.0	0.0	0.0	0.0	0.0	59.2	0.5	-1.3	0.0	0.0	16.2	0.0	0.0	-0.7
1833	17641499.86	4751633.19	7.60	0	E	1000	75.1	0.0	0.0	0.0	0.0	59.2	0.9	-2.4	0.0	0.0	20.0	0.0	0.0	-2.7
1833	17641499.86	4751633.19	7.60	0	E	2000	70.4	0.0	0.0	0.0	0.0	59.2	2.5	-2.6	0.0	0.0	22.0	0.0	0.0	-10.8
1833	17641499.86	4751633.19	7.60	0	E	4000	64.2	0.0	0.0	0.0	0.0	59.2	8.5	-2.6	0.0	0.0	22.3	0.0	0.0	-23.2
1833	17641499.86	4751633.19	7.60	0	E	8000	57.0	0.0	0.0	0.0	0.0	59.2	30.2	-2.6	0.0	0.0	22.5	0.0	0.0	-52.3
1836	17641499.86	4751633.19	7.60	2	D	500	74.0	0.0	0.0	0.0	0.0	62.6	0.7	1.9	0.0	0.0	2.9	0.0	4.0	1.8
1836	17641499.86	4751633.19	7.60	2	D	1000	75.1	0.0	0.0	0.0	0.0	62.6	1.4	-1.7	0.0	0.0	6.5	0.0	4.0	2.3
1836	17641499.86	4751633.19	7.60	2	D	2000	70.4	0.0	0.0	0.0	0.0	62.6	3.7	-2.3	0.0	0.0	7.1	0.0	4.0	-4.8
1836	17641499.86	4751633.19	7.60	2	D	4000	64.2	0.0	0.0	0.0	0.0	62.6	12.5	-2.3	0.0	0.0	7.2	0.0	4.0	-19.8
1836	17641499.86	4751633.19	7.60	2	D	8000	57.0	0.0	0.0	0.0	0.0	62.6	44.5	-2.3	0.0	0.0	7.3	0.0	4.0	-59.2
1836	17641499.86	4751633.19	7.60	2	N	500	74.0	0.0	0.0	0.0	0.0	62.6	0.7	1.9	0.0	0.0	2.9	0.0	4.0	1.8
1836	17641499.86	4751633.19	7.60	2	N	1000	75.1	0.0	0.0	0.0	0.0	62.6	1.4	-1.7	0.0	0.0	6.5	0.0	4.0	2.3
1836	17641499.86	4751633.19	7.60	2	N	2000	70.4	0.0	0.0	0.0	0.0	62.6	3.7	-2.3	0.0	0.0	7.1	0.0	4.0	-4.8
1836	17641499.86	4751633.19	7.60	2	N	4000	64.2	0.0	0.0	0.0	0.0	62.6	12.5	-2.3	0.0	0.0	7.2	0.0	4.0	-19.8
1836	17641499.86	4751633.19	7.60	2	N	8000	57.0	0.0	0.0	0.0	0.0	62.6	44.5	-2.3	0.0	0.0	7.3	0.0	4.0	-59.2
1836	17641499.86	4751633.19	7.60	2	E	500	74.0	0.0	0.0	0.0	0.0	62.6	0.7	1.9	0.0	0.0	2.9	0.0	4.0	1.8
1836	17641499.86	4751633.19	7.60	2	E	1000	75.1	0.0	0.0	0.0	0.0	62.6	1.4	-1.7	0.0	0.0	6.5	0.0	4.0	2.3
1836	17641499.86	4751633.19	7.60	2	E	2000	70.4	0.0	0.0	0.0	0.0	62.6	3.7	-2.3	0.0	0.0	7.1	0.0	4.0	-4.8
1836	17641499.86	4751633.19	7.60	2	E	4000	64.2	0.0	0.0	0.0	0.0	62.6	12.5	-2.3	0.0	0.0	7.2	0.0	4.0	-19.8

Table with 20 columns: Nr., X (m), Y (m), Z (m), Refl., DEN, Freq. (Hz), Lw (dB(A)), l/a (dB), Optime (dB), K0 (dB), Di (dB), Adiv (dB), Aatm (dB), Agr (dB), Afol (dB), Ahous (dB), Abar (dB), Cmet (dB), RL (dB), Lr (dB(A)). Data rows include coordinates (e.g., 17641499.86, 4751633.19) and noise metrics for various frequencies and directions.

Table with 20 columns: Nr., X (m), Y (m), Z (m), Refl., DEN, Freq. (Hz), Lw (dB(A)), l/a (dB), Optime (dB), K0 (dB), Di (dB), Adiv (dB), Aatm (dB), Agr (dB), Afol (dB), Ahous (dB), Abar (dB), Cmet (dB), RL (dB), Lr (dB(A)). Data rows include coordinates (e.g., 17641496.57, 4751633.02) and noise metrics for various frequencies and directions.

Point Source, ISO 9613, Name: "Condenser", ID: "COND2"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	dB(A)						
1848	17641496.57	4751633.02	7.60	1	D	1000	75.1	0.0	0.0	0.0	0.0	62.3	1.3	-2.1	0.0	0.0	7.0	0.0	2.0	4.6
1848	17641496.57	4751633.02	7.60	1	D	2000	70.4	0.0	0.0	0.0	0.0	62.3	3.6	-2.5	0.0	0.0	7.5	0.0	2.0	-2.5
1848	17641496.57	4751633.02	7.60	1	D	4000	64.2	0.0	0.0	0.0	0.0	62.3	12.1	-2.5	0.0	0.0	7.7	0.0	2.0	-17.4
1848	17641496.57	4751633.02	7.60	1	D	8000	57.0	0.0	0.0	0.0	0.0	62.3	43.1	-2.5	0.0	0.0	8.0	0.0	2.0	-55.9
1848	17641496.57	4751633.02	7.60	1	N	500	74.0	0.0	0.0	0.0	0.0	62.3	0.7	0.4	0.0	0.0	4.4	0.0	2.0	4.1
1848	17641496.57	4751633.02	7.60	1	N	1000	75.1	0.0	0.0	0.0	0.0	62.3	1.3	-2.1	0.0	0.0	7.0	0.0	2.0	4.6
1848	17641496.57	4751633.02	7.60	1	N	2000	70.4	0.0	0.0	0.0	0.0	62.3	3.6	-2.5	0.0	0.0	7.5	0.0	2.0	-2.5
1848	17641496.57	4751633.02	7.60	1	N	4000	64.2	0.0	0.0	0.0	0.0	62.3	12.1	-2.5	0.0	0.0	7.7	0.0	2.0	-17.4
1848	17641496.57	4751633.02	7.60	1	N	8000	57.0	0.0	0.0	0.0	0.0	62.3	43.1	-2.5	0.0	0.0	8.0	0.0	2.0	-55.9
1848	17641496.57	4751633.02	7.60	1	E	500	74.0	0.0	0.0	0.0	0.0	62.3	0.7	0.4	0.0	0.0	4.4	0.0	2.0	4.1
1848	17641496.57	4751633.02	7.60	1	E	1000	75.1	0.0	0.0	0.0	0.0	62.3	1.3	-2.1	0.0	0.0	7.0	0.0	2.0	4.6
1848	17641496.57	4751633.02	7.60	1	E	2000	70.4	0.0	0.0	0.0	0.0	62.3	3.6	-2.5	0.0	0.0	7.5	0.0	2.0	-2.5
1848	17641496.57	4751633.02	7.60	1	E	4000	64.2	0.0	0.0	0.0	0.0	62.3	12.1	-2.5	0.0	0.0	7.7	0.0	2.0	-17.4
1848	17641496.57	4751633.02	7.60	1	E	8000	57.0	0.0	0.0	0.0	0.0	62.3	43.1	-2.5	0.0	0.0	8.0	0.0	2.0	-55.9

Point Source, ISO 9613, Name: "Carrier 48LJE004", ID: "RTU25"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	dB(A)						
2051	17641500.61	4751700.81	6.10	0	D	32	32.9	0.0	0.0	0.0	0.0	56.6	0.0	-3.0	0.0	0.0	9.9	0.0	0.0	-30.6
2051	17641500.61	4751700.81	6.10	0	D	63	54.5	0.0	0.0	0.0	0.0	56.6	0.0	-3.0	0.0	0.0	11.5	0.0	0.0	-10.7
2051	17641500.61	4751700.81	6.10	0	D	125	67.6	0.0	0.0	0.0	0.0	56.6	0.1	-2.2	0.0	0.0	12.8	0.0	0.0	0.3
2051	17641500.61	4751700.81	6.10	0	D	250	67.8	0.0	0.0	0.0	0.0	56.6	0.2	-0.8	0.0	0.0	13.8	0.0	0.0	-2.0
2051	17641500.61	4751700.81	6.10	0	D	500	73.0	0.0	0.0	0.0	0.0	56.6	0.4	-1.3	0.0	0.0	17.0	0.0	0.0	0.3
2051	17641500.61	4751700.81	6.10	0	D	1000	71.6	0.0	0.0	0.0	0.0	56.6	0.7	-2.4	0.0	0.0	20.9	0.0	0.0	-4.2
2051	17641500.61	4751700.81	6.10	0	D	2000	68.3	0.0	0.0	0.0	0.0	56.6	1.8	-2.6	0.0	0.0	22.5	0.0	0.0	-10.1
2051	17641500.61	4751700.81	6.10	0	D	4000	64.2	0.0	0.0	0.0	0.0	56.6	6.2	-2.6	0.0	0.0	22.5	0.0	0.0	-18.6
2051	17641500.61	4751700.81	6.10	0	D	8000	58.4	0.0	0.0	0.0	0.0	56.6	22.3	-2.6	0.0	0.0	22.5	0.0	0.0	-40.5
2051	17641500.61	4751700.81	6.10	0	N	32	32.9	0.0	-3.0	0.0	0.0	56.6	0.0	-3.0	0.0	0.0	9.9	0.0	0.0	-33.6
2051	17641500.61	4751700.81	6.10	0	N	63	54.5	0.0	-3.0	0.0	0.0	56.6	0.0	-3.0	0.0	0.0	11.5	0.0	0.0	-13.7
2051	17641500.61	4751700.81	6.10	0	N	125	67.6	0.0	-3.0	0.0	0.0	56.6	0.1	-2.2	0.0	0.0	12.8	0.0	0.0	-2.7
2051	17641500.61	4751700.81	6.10	0	N	250	67.8	0.0	-3.0	0.0	0.0	56.6	0.2	-0.8	0.0	0.0	13.8	0.0	0.0	-5.0
2051	17641500.61	4751700.81	6.10	0	N	500	73.0	0.0	-3.0	0.0	0.0	56.6	0.4	-1.3	0.0	0.0	17.0	0.0	0.0	-2.7
2051	17641500.61	4751700.81	6.10	0	N	1000	71.6	0.0	-3.0	0.0	0.0	56.6	0.7	-2.4	0.0	0.0	20.9	0.0	0.0	-7.3
2051	17641500.61	4751700.81	6.10	0	N	2000	68.3	0.0	-3.0	0.0	0.0	56.6	1.8	-2.6	0.0	0.0	22.5	0.0	0.0	-13.1
2051	17641500.61	4751700.81	6.10	0	N	4000	64.2	0.0	-3.0	0.0	0.0	56.6	6.2	-2.6	0.0	0.0	22.5	0.0	0.0	-21.7
2051	17641500.61	4751700.81	6.10	0	N	8000	58.4	0.0	-3.0	0.0	0.0	56.6	22.3	-2.6	0.0	0.0	22.5	0.0	0.0	-43.5
2051	17641500.61	4751700.81	6.10	0	E	32	32.9	0.0	0.0	0.0	0.0	56.6	0.0	-3.0	0.0	0.0	9.9	0.0	0.0	-30.6
2051	17641500.61	4751700.81	6.10	0	E	63	54.5	0.0	0.0	0.0	0.0	56.6	0.0	-3.0	0.0	0.0	11.5	0.0	0.0	-10.7
2051	17641500.61	4751700.81	6.10	0	E	125	67.6	0.0	0.0	0.0	0.0	56.6	0.1	-2.2	0.0	0.0	12.8	0.0	0.0	0.3
2051	17641500.61	4751700.81	6.10	0	E	250	67.8	0.0	0.0	0.0	0.0	56.6	0.2	-0.8	0.0	0.0	13.8	0.0	0.0	-2.0
2051	17641500.61	4751700.81	6.10	0	E	500	73.0	0.0	0.0	0.0	0.0	56.6	0.4	-1.3	0.0	0.0	17.0	0.0	0.0	0.3
2051	17641500.61	4751700.81	6.10	0	E	1000	71.6	0.0	0.0	0.0	0.0	56.6	0.7	-2.4	0.0	0.0	20.9	0.0	0.0	-4.2
2051	17641500.61	4751700.81	6.10	0	E	2000	68.3	0.0	0.0	0.0	0.0	56.6	1.8	-2.6	0.0	0.0	22.5	0.0	0.0	-10.1
2051	17641500.61	4751700.81	6.10	0	E	4000	64.2	0.0	0.0	0.0	0.0	56.6	6.2	-2.6	0.0	0.0	22.5	0.0	0.0	-18.6
2051	17641500.61	4751700.81	6.10	0	E	8000	58.4	0.0	0.0	0.0	0.0	56.6	22.3	-2.6	0.0	0.0	22.5	0.0	0.0	-40.5
2054	17641500.61	4751700.81	6.10	1	D	4000	64.2	0.0	0.0	0.0	0.0	57.0	6.5	-2.8	0.0	0.0	7.9	0.0	2.0	-6.4
2054	17641500.61	4751700.81	6.10	1	D	8000	58.4	0.0	0.0	0.0	0.0	57.0	23.3	-2.8	0.0	0.0	8.2	0.0	2.0	-29.3
2054	17641500.61	4751700.81	6.10	1	N	4000	64.2	0.0	-3.0	0.0	0.0	57.0	6.5	-2.8	0.0	0.0	7.9	0.0	2.0	-9.5
2054	17641500.61	4751700.81	6.10	1	N	8000	58.4	0.0	-3.0	0.0	0.0	57.0	23.3	-2.8	0.0	0.0	8.2	0.0	2.0	-32.3
2054	17641500.61	4751700.81	6.10	1	E	4000	64.2	0.0	0.0	0.0	0.0	57.0	6.5	-2.8	0.0	0.0	7.9	0.0	2.0	-6.4
2054	17641500.61	4751700.81	6.10	1	E	8000	58.4	0.0	0.0	0.0	0.0	57.0	23.3	-2.8	0.0	0.0	8.2	0.0	2.0	-29.3
2056	17641500.61	4751700.81	6.10	2	D	500	73.0	0.0	0.0	0.0	0.0	60.9	0.6	2.0	0.0	0.0	2.9	0.0	4.0	2.6
2056	17641500.61	4751700.81	6.10	2	D	1000	71.6	0.0	0.0	0.0	0.0	60.9	1.1	-1.6	0.0	0.0	6.6	0.0	4.0	0.6
2056	17641500.61	4751700.81	6.10	2	D	2000	68.3	0.0	0.0	0.0	0.0	60.9	3.0	-2.2	0.0	0.0	7.3	0.0	4.0	-4.8
2056	17641500.61	4751700.81	6.10	2	D	4000	64.2	0.0	0.0	0.0	0.0	60.9	10.3	-2.2	0.0	0.0	7.6	0.0	4.0	-16.4
2056	17641500.61	4751700.81	6.10	2	D	8000	58.4	0.0	0.0	0.0	0.0	60.9	36.6	-2.2	0.0	0.0	8.1	0.0	4.0	-49.0
2056	17641500.61	4751700.81	6.10	2	N	500	73.0	0.0	-3.0	0.0	0.0	60.9	0.6	2.0	0.0	0.0	2.9	0.0	4.0	-0.4
2056	17641500.61	4751700.81	6.10	2	N	1000	71.6	0.0	-3.0	0.0	0.0	60.9	1.1	-1.6	0.0	0.0	6.6	0.0	4.0	-2.4
2056	17641500.61	4751700.81	6.10	2	N	2000	68.3	0.0	-3.0	0.0	0.0	60.9	3.0	-2.2	0.0	0.0	7.3	0.0	4.0	-7.8
2056	17641500.61	4751700.81	6.10	2	N	4000	64.2	0.0	-3.0	0.0	0.0	60.9	10.3	-2.2	0.0	0.0	7.6	0.0	4.0	-19.4
2056	17641500.61	4751700.81	6.10	2	N	8000	58.4	0.0	-3.0	0.0	0.0	60.9	36.6	-2.2	0.0	0.0	8.1	0.0	4.0	-52.0
2056	17641500.61	4751700.81	6.10	2	E	500	73.0	0.0	0.0	0.0	0.0	60.9	0.6	2.0	0.0	0.0	2.9	0.0	4.0	2.6
2056	17641500.61	4751700.81	6.10	2	E	1000	71.6	0.0	0.0	0.0	0.0	60.9	1.1	-1.6	0.0	0.0	6.6	0.0	4.0	0.6

























Point Source, ISO 9613, Name: "Penn Exhaust Fan", ID: "EF4"																				
Nr.	X	Y	Z	Ref.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB(A))						
2231	17641467.42	4751762.97	6.70	2	D	4000	61.0	0.0	0.0	0.0	0.0	59.1	8.3	-1.8	0.0	0.0	19.8	0.0	4.0	-28.4
2231	17641467.42	4751762.97	6.70	2	D	8000	55.9	0.0	0.0	0.0	0.0	59.1	29.6	-1.8	0.0	0.0	21.8	0.0	4.0	-56.8
2231	17641467.42	4751762.97	6.70	2	N	500	61.8	0.0	0.0	0.0	0.0	59.1	0.5	0.9	0.0	0.0	9.3	0.0	4.0	-12.0
2231	17641467.42	4751762.97	6.70	2	N	1000	65.0	0.0	0.0	0.0	0.0	59.1	0.9	-1.5	0.0	0.0	14.0	0.0	4.0	-11.6
2231	17641467.42	4751762.97	6.70	2	N	2000	63.2	0.0	0.0	0.0	0.0	59.1	2.5	-1.8	0.0	0.0	17.0	0.0	4.0	-17.5
2231	17641467.42	4751762.97	6.70	2	N	4000	61.0	0.0	0.0	0.0	0.0	59.1	8.3	-1.8	0.0	0.0	19.8	0.0	4.0	-28.4
2231	17641467.42	4751762.97	6.70	2	N	8000	55.9	0.0	0.0	0.0	0.0	59.1	29.6	-1.8	0.0	0.0	21.8	0.0	4.0	-56.8
2231	17641467.42	4751762.97	6.70	2	E	500	61.8	0.0	0.0	0.0	0.0	59.1	0.5	0.9	0.0	0.0	9.3	0.0	4.0	-12.0
2231	17641467.42	4751762.97	6.70	2	E	1000	65.0	0.0	0.0	0.0	0.0	59.1	0.9	-1.5	0.0	0.0	14.0	0.0	4.0	-11.6
2231	17641467.42	4751762.97	6.70	2	E	2000	63.2	0.0	0.0	0.0	0.0	59.1	2.5	-1.8	0.0	0.0	17.0	0.0	4.0	-17.5
2231	17641467.42	4751762.97	6.70	2	E	4000	61.0	0.0	0.0	0.0	0.0	59.1	8.3	-1.8	0.0	0.0	19.8	0.0	4.0	-28.4
2231	17641467.42	4751762.97	6.70	2	E	8000	55.9	0.0	0.0	0.0	0.0	59.1	29.6	-1.8	0.0	0.0	21.8	0.0	4.0	-56.8
2233	17641467.42	4751762.97	6.70	1	D	500	61.8	0.0	0.0	0.0	0.0	58.7	0.5	0.0	0.0	0.0	11.9	0.0	2.0	-11.3
2233	17641467.42	4751762.97	6.70	1	D	1000	65.0	0.0	0.0	0.0	0.0	58.7	0.9	-1.7	0.0	0.0	16.3	0.0	2.0	-11.1
2233	17641467.42	4751762.97	6.70	1	D	2000	63.2	0.0	0.0	0.0	0.0	58.7	2.3	-2.0	0.0	0.0	19.3	0.0	2.0	-17.1
2233	17641467.42	4751762.97	6.70	1	D	4000	61.0	0.0	0.0	0.0	0.0	58.7	7.9	-2.0	0.0	0.0	22.0	0.0	2.0	-27.6
2233	17641467.42	4751762.97	6.70	1	D	8000	55.9	0.0	0.0	0.0	0.0	58.7	28.2	-2.0	0.0	0.0	22.0	0.0	2.0	-53.0
2233	17641467.42	4751762.97	6.70	1	N	500	61.8	0.0	0.0	0.0	0.0	58.7	0.5	0.0	0.0	0.0	11.9	0.0	2.0	-11.3
2233	17641467.42	4751762.97	6.70	1	N	1000	65.0	0.0	0.0	0.0	0.0	58.7	0.9	-1.7	0.0	0.0	16.3	0.0	2.0	-11.1
2233	17641467.42	4751762.97	6.70	1	N	2000	63.2	0.0	0.0	0.0	0.0	58.7	2.3	-2.0	0.0	0.0	19.3	0.0	2.0	-17.1
2233	17641467.42	4751762.97	6.70	1	N	4000	61.0	0.0	0.0	0.0	0.0	58.7	7.9	-2.0	0.0	0.0	22.0	0.0	2.0	-27.6
2233	17641467.42	4751762.97	6.70	1	N	8000	55.9	0.0	0.0	0.0	0.0	58.7	28.2	-2.0	0.0	0.0	22.0	0.0	2.0	-53.0
2233	17641467.42	4751762.97	6.70	1	E	500	61.8	0.0	0.0	0.0	0.0	58.7	0.5	0.0	0.0	0.0	11.9	0.0	2.0	-11.3
2233	17641467.42	4751762.97	6.70	1	E	1000	65.0	0.0	0.0	0.0	0.0	58.7	0.9	-1.7	0.0	0.0	16.3	0.0	2.0	-11.1
2233	17641467.42	4751762.97	6.70	1	E	2000	63.2	0.0	0.0	0.0	0.0	58.7	2.3	-2.0	0.0	0.0	19.3	0.0	2.0	-17.1
2233	17641467.42	4751762.97	6.70	1	E	4000	61.0	0.0	0.0	0.0	0.0	58.7	7.9	-2.0	0.0	0.0	22.0	0.0	2.0	-27.6
2233	17641467.42	4751762.97	6.70	1	E	8000	55.9	0.0	0.0	0.0	0.0	58.7	28.2	-2.0	0.0	0.0	22.0	0.0	2.0	-53.0
2235	17641467.42	4751762.97	6.70	2	D	500	61.8	0.0	0.0	0.0	0.0	58.8	0.5	-0.2	0.0	0.0	13.6	0.0	4.0	-14.9
2235	17641467.42	4751762.97	6.70	2	D	1000	65.0	0.0	0.0	0.0	0.0	58.8	0.9	-1.9	0.0	0.0	18.0	0.0	4.0	-14.9
2235	17641467.42	4751762.97	6.70	2	D	2000	63.2	0.0	0.0	0.0	0.0	58.8	2.4	-2.1	0.0	0.0	21.1	0.0	4.0	-21.0
2235	17641467.42	4751762.97	6.70	2	D	4000	61.0	0.0	0.0	0.0	0.0	58.8	8.0	-2.1	0.0	0.0	22.1	0.0	4.0	-29.9
2235	17641467.42	4751762.97	6.70	2	D	8000	55.9	0.0	0.0	0.0	0.0	58.8	28.7	-2.1	0.0	0.0	22.1	0.0	4.0	-55.6
2235	17641467.42	4751762.97	6.70	2	N	500	61.8	0.0	0.0	0.0	0.0	58.8	0.5	-0.2	0.0	0.0	13.6	0.0	4.0	-14.9
2235	17641467.42	4751762.97	6.70	2	N	1000	65.0	0.0	0.0	0.0	0.0	58.8	0.9	-1.9	0.0	0.0	18.0	0.0	4.0	-14.9
2235	17641467.42	4751762.97	6.70	2	N	2000	63.2	0.0	0.0	0.0	0.0	58.8	2.4	-2.1	0.0	0.0	21.1	0.0	4.0	-21.0
2235	17641467.42	4751762.97	6.70	2	N	4000	61.0	0.0	0.0	0.0	0.0	58.8	8.0	-2.1	0.0	0.0	22.1	0.0	4.0	-29.9
2235	17641467.42	4751762.97	6.70	2	N	8000	55.9	0.0	0.0	0.0	0.0	58.8	28.7	-2.1	0.0	0.0	22.1	0.0	4.0	-55.6
2235	17641467.42	4751762.97	6.70	2	E	500	61.8	0.0	0.0	0.0	0.0	58.8	0.5	-0.2	0.0	0.0	13.6	0.0	4.0	-14.9
2235	17641467.42	4751762.97	6.70	2	E	1000	65.0	0.0	0.0	0.0	0.0	58.8	0.9	-1.9	0.0	0.0	18.0	0.0	4.0	-14.9
2235	17641467.42	4751762.97	6.70	2	E	2000	63.2	0.0	0.0	0.0	0.0	58.8	2.4	-2.1	0.0	0.0	21.1	0.0	4.0	-21.0
2235	17641467.42	4751762.97	6.70	2	E	4000	61.0	0.0	0.0	0.0	0.0	58.8	8.0	-2.1	0.0	0.0	22.1	0.0	4.0	-29.9
2235	17641467.42	4751762.97	6.70	2	E	8000	55.9	0.0	0.0	0.0	0.0	58.8	28.7	-2.1	0.0	0.0	22.1	0.0	4.0	-55.6
2237	17641467.42	4751762.97	6.70	1	D	250	62.4	0.0	0.0	0.0	0.0	54.1	0.1	-0.1	0.0	0.0	12.9	0.0	2.0	-6.6
2237	17641467.42	4751762.97	6.70	1	D	500	61.8	0.0	0.0	0.0	0.0	54.1	0.3	-0.8	0.0	0.0	16.2	0.0	2.0	-10.0
2237	17641467.42	4751762.97	6.70	1	D	1000	65.0	0.0	0.0	0.0	0.0	54.1	0.5	-2.1	0.0	0.0	20.4	0.0	2.0	-9.8
2237	17641467.42	4751762.97	6.70	1	D	2000	63.2	0.0	0.0	0.0	0.0	54.1	1.4	-2.3	0.0	0.0	22.3	0.0	2.0	-14.2
2237	17641467.42	4751762.97	6.70	1	D	4000	61.0	0.0	0.0	0.0	0.0	54.1	4.7	-2.3	0.0	0.0	22.3	0.0	2.0	-19.7
2237	17641467.42	4751762.97	6.70	1	D	8000	55.9	0.0	0.0	0.0	0.0	54.1	16.6	-2.3	0.0	0.0	22.3	0.0	2.0	-36.8
2237	17641467.42	4751762.97	6.70	1	N	250	62.4	0.0	0.0	0.0	0.0	54.1	0.1	-0.1	0.0	0.0	12.9	0.0	2.0	-6.6
2237	17641467.42	4751762.97	6.70	1	N	500	61.8	0.0	0.0	0.0	0.0	54.1	0.3	-0.8	0.0	0.0	16.2	0.0	2.0	-10.0
2237	17641467.42	4751762.97	6.70	1	N	1000	65.0	0.0	0.0	0.0	0.0	54.1	0.5	-2.1	0.0	0.0	20.4	0.0	2.0	-9.8
2237	17641467.42	4751762.97	6.70	1	N	2000	63.2	0.0	0.0	0.0	0.0	54.1	1.4	-2.3	0.0	0.0	22.3	0.0	2.0	-14.2
2237	17641467.42	4751762.97	6.70	1	N	4000	61.0	0.0	0.0	0.0	0.0	54.1	4.7	-2.3	0.0	0.0	22.3	0.0	2.0	-19.7
2237	17641467.42	4751762.97	6.70	1	N	8000	55.9	0.0	0.0	0.0	0.0	54.1	16.6	-2.3	0.0	0.0	22.3	0.0	2.0	-36.8
2237	17641467.42	4751762.97	6.70	1	E	250	62.4	0.0	0.0	0.0	0.0	54.1	0.1	-0.1	0.0	0.0	12.9	0.0	2.0	-6.6
2237	17641467.42	4751762.97	6.70	1	E	500	61.8	0.0	0.0	0.0	0.0	54.1	0.3	-0.8	0.0	0.0	16.2	0.0	2.0	-10.0
2237	17641467.42	4751762.97	6.70	1	E	1000	65.0	0.0	0.0	0.0	0.0	54.1	0.5	-2.1	0.0	0.0	20.4	0.0	2.0	-9.8
2237	17641467.42	4751762.97	6.70	1	E	2000	63.2	0.0	0.0	0.0	0.0	54.1	1.4	-2.3	0.0	0.0	22.3	0.0	2.0	-14.2
2237	17641467.42	4751762.97	6.70	1	E	4000	61.0	0.0	0.0	0.0	0.0	54.1	4.7	-2.3	0.0	0.0	22.3	0.0	2.0	-19.7
2237	17641467.42	4751762.97	6.70	1	E	8000	55.9	0.0	0.0	0.0	0.0	54.1	16.6	-2.3	0.0	0.0	22.3	0.0	2.0	-36.8

Point Source, ISO 9613, Name: "Carrier 48 TCED08", ID: "RTU07"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB(A))						
2240	17641501.13	4751763.95	7.20	0	D	32	40.8	0.0	0.0	0.0	0.0	53.1	0.0	-3.0	0.0	0.0	8.3	0.0	0.0	-17.7
2240	17641501.13	4751763.95	7.20	0	D	63	55.1	0.0	0.0	0.0	0.0	53.1	0.0	-3.0	0.0	0.0	10.5	0.0	0.0	-5.6
2240	17641501.13	4751763.95	7.20	0	D	125	60.1	0.0	0.0	0.0	0.0	53.1	0.1	-2.1	0.0	0.0	12.0	0.0	0.0	-3.0
2240	17641501.13	4751763.95	7.20	0	D	250	62.1	0.0	0.0	0.0	0.0	53.1	0.1	-0.8	0.0	0.0	13.4	0.0	0.0	-3.8
2240	17641501.13	4751763.95	7.20	0	D	500	65.5	0.0	0.0	0.0	0.0	53.1	0.2	-1.3	0.0	0.0	16.5	0.0	0.0	-3.2
2240	17641501.13	4751763.95	7.20	0	D	1000	66.6	0.0	0.0	0.0	0.0	53.1	0.5	-2.3	0.0	0.0	20.3	0.0	0.0	-5.0
2240	17641501.13	4751763.95	7.20	0	D	2000	62.9	0.0	0.0	0.0	0.0	53.1	1.2	-2.5	0.0	0.0	22.0	0.0	0.0	-11.0
2240	17641501.13	4751763.95	7.20	0	D	4000	58.8	0.0	0.0	0.0	0.0	53.1	4.2	-2.5	0.0	0.0	22.2	0.0	0.0	-18.3
2240	17641501.13	4751763.95	7.20	0	D	8000	53.7	0.0	0.0	0.0	0.0	53.1	14.9	-2.5	0.0	0.0	22.3	0.0	0.0	-34.2
2240	17641501.13	4751763.95	7.20	0	N	32	40.8	0.0	-3.0	0.0	0.0	53.1	0.0	-3.0	0.0	0.0	8.3	0.0	0.0	-20.7
2240	17641501.13	4751763.95	7.20	0	N	63	55.1	0.0	-3.0	0.0	0.0	53.1	0.0	-3.0	0.0	0.0	10.5	0.0	0.0	-8.6
2240	17641501.13	4751763.95	7.20	0	N	125	60.1	0.0	-3.0	0.0	0.0	53.1	0.1	-2.1	0.0	0.0	12.0	0.0	0.0	-6.1
2240	17641501.13	4751763.95	7.20	0	N	250	62.1	0.0	-3.0	0.0	0.0	53.1	0.1	-0.8	0.0	0.0	13.4	0.0	0.0	-6.8
2240	17641501.13	4751763.95	7.20	0	N	500	65.5	0.0	-3.0	0.0	0.0	53.1	0.2	-1.3	0.0	0.0	16.5	0.0	0.0	-6.2
2240	17641501.13	4751763.95	7.20	0	N	1000	66.6	0.0	-3.0	0.0	0.0	53.1	0.5	-2.3	0.0	0.0	20.3	0.0	0.0	-8.0
2240	17641501.13	4751763.95	7.20	0	N	2000	62.9	0.0	-3.0	0.0	0.0	53.1	1.2	-2.5	0.0	0.0	22.0	0.0	0.0	-14.0
2240	17641501.13	4751763.95	7.20	0	N	4000	58.8	0.0	-3.0	0.0	0.0	53.1	4.2	-2.5	0.0	0.0	22.2	0.0	0.0	-21.3
2240	17641501.13	4751763.95	7.20	0	N	8000	53.7	0.0	-3.0	0.0	0.0	53.1	14.9	-2.5	0.0	0.0	22.3	0.0	0.0	-37.3
2240	17641501.13	4751763.95	7.20	0	E	32	40.8	0.0	0.0	0.0	0.0	53.1	0.0	-3.0	0.0	0.0	8.3	0.0	0.0	-17.7
2240	17641501.13	4751763.95	7.20	0	E	63	55.1	0.0	0.0	0.0	0.0	53.1	0.0	-3.0	0.0	0.0	10.5	0.0	0.0	-5.6
2240	17641501.13	4751763.95	7.20	0	E	125	60.1	0.0	0.0	0.0	0.0	53.1	0.1	-2.1	0.0	0.0	12.0	0.0	0.0	-3.0
2240	17641501.13	4751763.95	7.20	0	E	250	62.1	0.0	0.0	0.0	0.0	53.1	0.1	-0.8	0.0	0.0	13.4	0.0	0.0	-3.8
2240	17641501.13	4751763.95	7.20	0	E	500	65.5	0.0	0.0	0.0	0.0	53.1	0.2	-1.3	0.0	0.0	16.5	0.0	0.0	-3.2
2240	17641501.13	4751763.95	7.20	0	E	1000	66.6	0.0	0.0	0.0	0.0	53.1	0.5	-2.3	0.0	0.0	20.3	0.0	0.0	-5.0
2240	17641501.13	4751763.95	7.20	0	E	2000	62.9	0.0	0.0	0.0	0.0	53.1	1.2	-2.5	0.0	0.0	22.0	0.0	0.0	-11.0
2240	17641501.13	4751763.95	7.20	0	E	4000	58.8	0.0	0.0	0.0	0.0	53.1	4.2	-2.5	0.0	0.0	22.2	0.0	0.0	-18.3
2240	17641501.13	4751763.95	7.20	0	E	8000	53.7	0.0	0.0	0.0	0.0	53.1	14.9	-2.5	0.0	0.0	22.3	0.0	0.0	-34.2
2243	17641501.13	4751763.95	7.20	2	D	500	65.5	0.0	0.0	0.0	0.0	59.0	0.5	2.7	0.0	0.0	2.1	0.0	4.0	-2.8
2243	17641501.13	4751763.95	7.20	2	D	1000	66.6	0.0	0.0	0.0	0.0	59.0	0.9	-0.9	0.0	0.0	5.8	0.0	4.0	-2.2
2243	17641501.13	4751763.95	7.20	2	D	2000	62.9	0.0	0.0	0.0	0.0	59.0	2.4	-1.4	0.0	0.0	6.4	0.0	4.0	-7.5
2243	17641501.13	4751763.95	7.20	2	D	4000	58.8	0.0	0.0	0.0	0.0	59.0	8.2	-1.4	0.0	0.0	6.6	0.0	4.0	-17.6
2243	17641501.13	4751763.95	7.20	2	D	8000	53.7	0.0	0.0	0.0	0.0	59.0	29.2	-1.4	0.0	0.0	7.0	0.0	4.0	-44.1
2243	17641501.13	4751763.95	7.20	2	N	500	65.5	0.0	-3.0	0.0	0.0	59.0	0.5	2.7	0.0	0.0	2.1	0.0	4.0	-5.8
2243	17641501.13	4751763.95	7.20	2	N	1000	66.6	0.0	-3.0	0.0	0.0	59.0	0.9	-0.9	0.0	0.0	5.8	0.0	4.0	-5.2
2243	17641501.13	4751763.95	7.20	2	N	2000	62.9	0.0	-3.0	0.0	0.0	59.0	2.4	-1.4	0.0	0.0	6.4	0.0	4.0	-10.5
2243	17641501.13	4751763.95	7.20	2	N	4000	58.8	0.0	-3.0	0.0	0.0	59.0	8.2	-1.4	0.0	0.0	6.6	0.0	4.0	-20.6
2243	17641501.13	4751763.95	7.20	2	N	8000	53.7	0.0	-3.0	0.0	0.0	59.0	29.2	-1.4	0.0	0.0	7.0	0.0	4.0	-47.1
2243	17641501.13	4751763.95	7.20	2	E	500	65.5	0.0	0.0	0.0	0.0	59.0	0.5	2.7	0.0	0.0	2.1	0.0	4.0	-2.8
2243	17641501.13	4751763.95	7.20	2	E	1000	66.6	0.0	0.0	0.0	0.0	59.0	0.9	-0.9	0.0	0.0	5.8	0.0	4.0	-2.2
2243	17641501.13	4751763.95	7.20	2	E	2000	62.9	0.0	0.0	0.0	0.0	59.0	2.4	-1.4	0.0	0.0	6.4	0.0	4.0	-7.5
2243	17641501.13	4751763.95	7.20	2	E	4000	58.8	0.0	0.0	0.0	0.0	59.0	8.2	-1.4	0.0	0.0	6.6	0.0	4.0	-17.6
2243	17641501.13	4751763.95	7.20	2	E	8000	53.7	0.0	0.0	0.0	0.0	59.0	29.2	-1.4	0.0	0.0	7.0	0.0	4.0	-44.1
2244	17641501.13	4751763.95	7.20	1	D	500	65.5	0.0	0.0	0.0	0.0	58.5	0.5	1.2	0.0	0.0	3.7	0.0	2.0	-0.4
2244	17641501.13	4751763.95	7.20	1	D	1000	66.6	0.0	0.0	0.0	0.0	58.5	0.9	-1.4	0.0	0.0	6.4	0.0	2.0	0.2
2244	17641501.13	4751763.95	7.20	1	D	2000	62.9	0.0	0.0	0.0	0.0	58.5	2.3	-1.8	0.0	0.0	7.1	0.0	2.0	-5.2
2244	17641501.13	4751763.95	7.20	1	D	4000	58.8	0.0	0.0	0.0	0.0	58.5	7.8	-1.8	0.0	0.0	7.5	0.0	2.0	-15.3
2244	17641501.13	4751763.95	7.20	1	D	8000	53.7	0.0	0.0	0.0	0.0	58.5	27.8	-1.8	0.0	0.0	8.3	0.0	2.0	-41.1
2244	17641501.13	4751763.95	7.20	1	N	500	65.5	0.0	-3.0	0.0	0.0	58.5	0.5	1.2	0.0	0.0	3.7	0.0	2.0	-3.4
2244	17641501.13	4751763.95	7.20	1	N	1000	66.6	0.0	-3.0	0.0	0.0	58.5	0.9	-1.4	0.0	0.0	6.4	0.0	2.0	-2.9
2244	17641501.13	4751763.95	7.20	1	N	2000	62.9	0.0	-3.0	0.0	0.0	58.5	2.3	-1.8	0.0	0.0	7.1	0.0	2.0	-8.2
2244	17641501.13	4751763.95	7.20	1	N	4000	58.8	0.0	-3.0	0.0	0.0	58.5	7.8	-1.8	0.0	0.0	7.5	0.0	2.0	-18.3
2244	17641501.13	4751763.95	7.20	1	N	8000	53.7	0.0	-3.0	0.0	0.0	58.5	27.8	-1.8	0.0	0.0	8.3	0.0	2.0	-44.1
2244	17641501.13	4751763.95	7.20	1	E	500	65.5	0.0	0.0	0.0	0.0	58.5	0.5	1.2	0.0	0.0	3.7	0.0	2.0	-0.4
2244	17641501.13	4751763.95	7.20	1	E	1000	66.6	0.0	0.0	0.0	0.0	58.5	0.9	-1.4	0.0	0.0	6.4	0.0	2.0	0.2
2244	17641501.13	4751763.95	7.20	1	E	2000	62.9	0.0	0.0	0.0	0.0	58.5	2.3	-1.8	0.0	0.0	7.1	0.0	2.0	-5.2
2244	17641501.13	4751763.95	7.20	1	E	4000	58.8	0.0	0.0	0.0	0.0	58.5	7.8	-1.8	0.0	0.0	7.5	0.0	2.0	-15.3
2244	17641501.13	4751763.95	7.20	1	E	8000	53.7	0.0	0.0	0.0	0.0	58.5	27.8	-1.8	0.0	0.0	8.3	0.0	2.0	-41.1

Point Source, ISO 9613, Name: "Greenheck G-0950DGEX", ID: "EF8"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB(A))						
2247	17641503.85	4751691.13	5.80	0	D	32	30.4	0.0	0.0	0.0	0.0	57.0	0.0	-3.0	0.0	0.0	11.9	0.0	0.0	-35.5
2247	17641503.85	4751691.13	5.80	0	D	63	46.8	0.0	0.0	0.0	0.0	57.0	0.0	-3.0	0.0	0.0	14.6	0.0	0.0	-21.9

Point Source, ISO 9613, Name: "Greenheck G-0950DGEX", ID: "EF8"																				
Nr.	X	Y	Z	Ref.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	dB(A)						
2247	17641503.85	4751691.13	5.80	0	D	125	57.8	0.0	0.0	0.0	0.0	57.0	0.1	-2.3	0.0	0.0	16.7	0.0	0.0	-13.8
2247	17641503.85	4751691.13	5.80	0	D	250	62.5	0.0	0.0	0.0	0.0	57.0	0.2	-0.8	0.0	0.0	18.3	0.0	0.0	-12.2
2247	17641503.85	4751691.13	5.80	0	D	500	70.4	0.0	0.0	0.0	0.0	57.0	0.4	-1.3	0.0	0.0	21.7	0.0	0.0	-7.3
2247	17641503.85	4751691.13	5.80	0	D	1000	67.6	0.0	0.0	0.0	0.0	57.0	0.7	-2.4	0.0	0.0	25.6	0.0	0.0	-13.4
2247	17641503.85	4751691.13	5.80	0	D	2000	65.5	0.0	0.0	0.0	0.0	57.0	1.9	-2.6	0.0	0.0	27.3	0.0	0.0	-18.1
2247	17641503.85	4751691.13	5.80	0	D	4000	58.3	0.0	0.0	0.0	0.0	57.0	6.6	-2.6	0.0	0.0	27.4	0.0	0.0	-30.2
2247	17641503.85	4751691.13	5.80	0	D	8000	50.2	0.0	0.0	0.0	0.0	57.0	23.4	-2.6	0.0	0.0	27.5	0.0	0.0	-55.2
2247	17641503.85	4751691.13	5.80	0	N	32	30.4	0.0	0.0	0.0	0.0	57.0	0.0	-3.0	0.0	0.0	11.9	0.0	0.0	-35.5
2247	17641503.85	4751691.13	5.80	0	N	63	46.8	0.0	0.0	0.0	0.0	57.0	0.0	-3.0	0.0	0.0	14.6	0.0	0.0	-21.9
2247	17641503.85	4751691.13	5.80	0	N	125	57.8	0.0	0.0	0.0	0.0	57.0	0.1	-2.3	0.0	0.0	16.7	0.0	0.0	-13.8
2247	17641503.85	4751691.13	5.80	0	N	250	62.5	0.0	0.0	0.0	0.0	57.0	0.2	-0.8	0.0	0.0	18.3	0.0	0.0	-12.2
2247	17641503.85	4751691.13	5.80	0	N	500	70.4	0.0	0.0	0.0	0.0	57.0	0.4	-1.3	0.0	0.0	21.7	0.0	0.0	-7.3
2247	17641503.85	4751691.13	5.80	0	N	1000	67.6	0.0	0.0	0.0	0.0	57.0	0.7	-2.4	0.0	0.0	25.6	0.0	0.0	-13.4
2247	17641503.85	4751691.13	5.80	0	N	2000	65.5	0.0	0.0	0.0	0.0	57.0	1.9	-2.6	0.0	0.0	27.3	0.0	0.0	-18.1
2247	17641503.85	4751691.13	5.80	0	N	4000	58.3	0.0	0.0	0.0	0.0	57.0	6.6	-2.6	0.0	0.0	27.4	0.0	0.0	-30.2
2247	17641503.85	4751691.13	5.80	0	N	8000	50.2	0.0	0.0	0.0	0.0	57.0	23.4	-2.6	0.0	0.0	27.5	0.0	0.0	-55.2
2247	17641503.85	4751691.13	5.80	0	E	32	30.4	0.0	0.0	0.0	0.0	57.0	0.0	-3.0	0.0	0.0	11.9	0.0	0.0	-35.5
2247	17641503.85	4751691.13	5.80	0	E	63	46.8	0.0	0.0	0.0	0.0	57.0	0.0	-3.0	0.0	0.0	14.6	0.0	0.0	-21.9
2247	17641503.85	4751691.13	5.80	0	E	125	57.8	0.0	0.0	0.0	0.0	57.0	0.1	-2.3	0.0	0.0	16.7	0.0	0.0	-13.8
2247	17641503.85	4751691.13	5.80	0	E	250	62.5	0.0	0.0	0.0	0.0	57.0	0.2	-0.8	0.0	0.0	18.3	0.0	0.0	-12.2
2247	17641503.85	4751691.13	5.80	0	E	500	70.4	0.0	0.0	0.0	0.0	57.0	0.4	-1.3	0.0	0.0	21.7	0.0	0.0	-7.3
2247	17641503.85	4751691.13	5.80	0	E	1000	67.6	0.0	0.0	0.0	0.0	57.0	0.7	-2.4	0.0	0.0	25.6	0.0	0.0	-13.4
2247	17641503.85	4751691.13	5.80	0	E	2000	65.5	0.0	0.0	0.0	0.0	57.0	1.9	-2.6	0.0	0.0	27.3	0.0	0.0	-18.1
2247	17641503.85	4751691.13	5.80	0	E	4000	58.3	0.0	0.0	0.0	0.0	57.0	6.6	-2.6	0.0	0.0	27.4	0.0	0.0	-30.2
2247	17641503.85	4751691.13	5.80	0	E	8000	50.2	0.0	0.0	0.0	0.0	57.0	23.4	-2.6	0.0	0.0	27.5	0.0	0.0	-55.2
2249	17641503.85	4751691.13	5.80	1	D	4000	58.3	0.0	0.0	0.0	0.0	57.3	6.8	-2.7	0.0	0.0	9.2	0.0	2.0	-14.4
2249	17641503.85	4751691.13	5.80	1	D	8000	50.2	0.0	0.0	0.0	0.0	57.3	24.3	-2.7	0.0	0.0	10.4	0.0	2.0	-41.2
2249	17641503.85	4751691.13	5.80	1	N	4000	58.3	0.0	0.0	0.0	0.0	57.3	6.8	-2.7	0.0	0.0	9.2	0.0	2.0	-14.4
2249	17641503.85	4751691.13	5.80	1	N	8000	50.2	0.0	0.0	0.0	0.0	57.3	24.3	-2.7	0.0	0.0	10.4	0.0	2.0	-41.2
2249	17641503.85	4751691.13	5.80	1	E	4000	58.3	0.0	0.0	0.0	0.0	57.3	6.8	-2.7	0.0	0.0	9.2	0.0	2.0	-14.4
2249	17641503.85	4751691.13	5.80	1	E	8000	50.2	0.0	0.0	0.0	0.0	57.3	24.3	-2.7	0.0	0.0	10.4	0.0	2.0	-41.2
2250	17641503.85	4751691.13	5.80	2	D	500	70.4	0.0	0.0	0.0	0.0	61.2	0.6	2.0	0.0	0.0	4.4	0.0	4.0	-1.9
2250	17641503.85	4751691.13	5.80	2	D	1000	67.6	0.0	0.0	0.0	0.0	61.2	1.2	-1.7	0.0	0.0	9.4	0.0	4.0	-6.5
2250	17641503.85	4751691.13	5.80	2	D	2000	65.5	0.0	0.0	0.0	0.0	61.2	3.1	-2.3	0.0	0.0	11.7	0.0	4.0	-12.2
2250	17641503.85	4751691.13	5.80	2	D	4000	58.3	0.0	0.0	0.0	0.0	61.2	10.6	-2.3	0.0	0.0	13.9	0.0	4.0	-29.1
2250	17641503.85	4751691.13	5.80	2	D	8000	50.2	0.0	0.0	0.0	0.0	61.2	37.7	-2.3	0.0	0.0	16.4	0.0	4.0	-66.9
2250	17641503.85	4751691.13	5.80	2	N	500	70.4	0.0	0.0	0.0	0.0	61.2	0.6	2.0	0.0	0.0	4.4	0.0	4.0	-1.9
2250	17641503.85	4751691.13	5.80	2	N	1000	67.6	0.0	0.0	0.0	0.0	61.2	1.2	-1.7	0.0	0.0	9.4	0.0	4.0	-6.5
2250	17641503.85	4751691.13	5.80	2	N	2000	65.5	0.0	0.0	0.0	0.0	61.2	3.1	-2.3	0.0	0.0	11.7	0.0	4.0	-12.2
2250	17641503.85	4751691.13	5.80	2	N	4000	58.3	0.0	0.0	0.0	0.0	61.2	10.6	-2.3	0.0	0.0	13.9	0.0	4.0	-29.1
2250	17641503.85	4751691.13	5.80	2	N	8000	50.2	0.0	0.0	0.0	0.0	61.2	37.7	-2.3	0.0	0.0	16.4	0.0	4.0	-66.9
2250	17641503.85	4751691.13	5.80	2	E	500	70.4	0.0	0.0	0.0	0.0	61.2	0.6	2.0	0.0	0.0	4.4	0.0	4.0	-1.9
2250	17641503.85	4751691.13	5.80	2	E	1000	67.6	0.0	0.0	0.0	0.0	61.2	1.2	-1.7	0.0	0.0	9.4	0.0	4.0	-6.5
2250	17641503.85	4751691.13	5.80	2	E	2000	65.5	0.0	0.0	0.0	0.0	61.2	3.1	-2.3	0.0	0.0	11.7	0.0	4.0	-12.2
2250	17641503.85	4751691.13	5.80	2	E	4000	58.3	0.0	0.0	0.0	0.0	61.2	10.6	-2.3	0.0	0.0	13.9	0.0	4.0	-29.1
2250	17641503.85	4751691.13	5.80	2	E	8000	50.2	0.0	0.0	0.0	0.0	61.2	37.7	-2.3	0.0	0.0	16.4	0.0	4.0	-66.9
2252	17641503.85	4751691.13	5.80	1	D	500	70.4	0.0	0.0	0.0	0.0	60.8	0.6	0.4	0.0	0.0	6.7	0.0	2.0	-0.1
2252	17641503.85	4751691.13	5.80	1	D	1000	67.6	0.0	0.0	0.0	0.0	60.8	1.1	-2.2	0.0	0.0	10.8	0.0	2.0	-5.0
2252	17641503.85	4751691.13	5.80	1	D	2000	65.5	0.0	0.0	0.0	0.0	60.8	3.0	-2.6	0.0	0.0	13.2	0.0	2.0	-11.0
2252	17641503.85	4751691.13	5.80	1	D	4000	58.3	0.0	0.0	0.0	0.0	60.8	10.2	-2.6	0.0	0.0	15.6	0.0	2.0	-27.8
2252	17641503.85	4751691.13	5.80	1	D	8000	50.2	0.0	0.0	0.0	0.0	60.8	36.3	-2.6	0.0	0.0	18.3	0.0	2.0	-64.6
2252	17641503.85	4751691.13	5.80	1	N	500	70.4	0.0	0.0	0.0	0.0	60.8	0.6	0.4	0.0	0.0	6.7	0.0	2.0	-0.1
2252	17641503.85	4751691.13	5.80	1	N	1000	67.6	0.0	0.0	0.0	0.0	60.8	1.1	-2.2	0.0	0.0	10.8	0.0	2.0	-5.0
2252	17641503.85	4751691.13	5.80	1	N	2000	65.5	0.0	0.0	0.0	0.0	60.8	3.0	-2.6	0.0	0.0	13.2	0.0	2.0	-11.0
2252	17641503.85	4751691.13	5.80	1	N	4000	58.3	0.0	0.0	0.0	0.0	60.8	10.2	-2.6	0.0	0.0	15.6	0.0	2.0	-27.8
2252	17641503.85	4751691.13	5.80	1	N	8000	50.2	0.0	0.0	0.0	0.0	60.8	36.3	-2.6	0.0	0.0	18.3	0.0	2.0	-64.6
2252	17641503.85	4751691.13	5.80	1	E	500	70.4	0.0	0.0	0.0	0.0	60.8	0.6	0.4	0.0	0.0	6.7	0.0	2.0	-0.1
2252	17641503.85	4751691.13	5.80	1	E	1000	67.6	0.0	0.0	0.0	0.0	60.8	1.1	-2.2	0.0	0.0	10.8	0.0	2.0	-5.0
2252	17641503.85	4751691.13	5.80	1	E	2000	65.5	0.0	0.0	0.0	0.0	60.8	3.0	-2.6	0.0	0.0	13.2	0.0	2.0	-11.0
2252	17641503.85	4751691.13	5.80	1	E	4000	58.3	0.0	0.0	0.0	0.0	60.8	10.2	-2.6	0.0	0.0	15.6	0.0	2.0	-27.8
2252	17641503.85	4751691.13	5.80	1	E	8000	50.2	0.0	0.0	0.0	0.0	60.8	36.3	-2.6	0.0	0.0	18.3	0.0	2.0	-64.6
2253	17641503.85	4751691.13	5.80	2	D	500	70.4	0.0	0.0	0.0	0.0	61.2	0.6	0.3	0.0	0.0	6.5	0.0	4.0	-2.2
2253	17641503.85	4751691.13	5.80	2	D	1000	67.6	0.0	0.0	0.0	0.0	61.2	1.2	-2.3	0.0	0.0	10.4	0.0	4.0	-6.9

Point Source, ISO 9613, Name: "Greenheck G-0950DGEX", ID: "EF8"																				
Nr.	X	Y	Z	Ref.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	dB(A)						
2253	17641503.85	4751691.13	5.80	2	D	2000	65.5	0.0	0.0	0.0	0.0	61.2	3.1	-2.7	0.0	0.0	12.7	0.0	4.0	-12.8
2253	17641503.85	4751691.13	5.80	2	D	4000	58.3	0.0	0.0	0.0	0.0	61.2	10.6	-2.7	0.0	0.0	15.0	0.0	4.0	-29.8
2253	17641503.85	4751691.13	5.80	2	D	8000	50.2	0.0	0.0	0.0	0.0	61.2	37.7	-2.7	0.0	0.0	17.6	0.0	4.0	-67.7
2253	17641503.85	4751691.13	5.80	2	N	500	70.4	0.0	0.0	0.0	0.0	61.2	0.6	0.3	0.0	0.0	6.5	0.0	4.0	-2.2
2253	17641503.85	4751691.13	5.80	2	N	1000	67.6	0.0	0.0	0.0	0.0	61.2	1.2	-2.3	0.0	0.0	10.4	0.0	4.0	-6.9
2253	17641503.85	4751691.13	5.80	2	N	2000	65.5	0.0	0.0	0.0	0.0	61.2	3.1	-2.7	0.0	0.0	12.7	0.0	4.0	-12.8
2253	17641503.85	4751691.13	5.80	2	N	4000	58.3	0.0	0.0	0.0	0.0	61.2	10.6	-2.7	0.0	0.0	15.0	0.0	4.0	-29.8
2253	17641503.85	4751691.13	5.80	2	N	8000	50.2	0.0	0.0	0.0	0.0	61.2	37.7	-2.7	0.0	0.0	17.6	0.0	4.0	-67.7
2253	17641503.85	4751691.13	5.80	2	E	500	70.4	0.0	0.0	0.0	0.0	61.2	0.6	0.3	0.0	0.0	6.5	0.0	4.0	-2.2
2253	17641503.85	4751691.13	5.80	2	E	1000	67.6	0.0	0.0	0.0	0.0	61.2	1.2	-2.3	0.0	0.0	10.4	0.0	4.0	-6.9
2253	17641503.85	4751691.13	5.80	2	E	2000	65.5	0.0	0.0	0.0	0.0	61.2	3.1	-2.7	0.0	0.0	12.7	0.0	4.0	-12.8
2253	17641503.85	4751691.13	5.80	2	E	4000	58.3	0.0	0.0	0.0	0.0	61.2	10.6	-2.7	0.0	0.0	15.0	0.0	4.0	-29.8
2253	17641503.85	4751691.13	5.80	2	E	8000	50.2	0.0	0.0	0.0	0.0	61.2	37.7	-2.7	0.0	0.0	17.6	0.0	4.0	-67.7
2254	17641503.85	4751691.13	5.80	1	D	125	57.8	0.0	0.0	0.0	0.0	57.5	0.1	-2.2	0.0	0.0	17.1	0.0	2.0	-16.7
2254	17641503.85	4751691.13	5.80	1	D	250	62.5	0.0	0.0	0.0	0.0	57.5	0.2	-0.8	0.0	0.0	18.5	0.0	2.0	-15.0
2254	17641503.85	4751691.13	5.80	1	D	500	70.4	0.0	0.0	0.0	0.0	57.5	0.4	-1.3	0.0	0.0	22.0	0.0	2.0	-10.2
2254	17641503.85	4751691.13	5.80	1	D	1000	67.6	0.0	0.0	0.0	0.0	57.5	0.8	-2.4	0.0	0.0	26.0	0.0	2.0	-16.4
2254	17641503.85	4751691.13	5.80	1	D	2000	65.5	0.0	0.0	0.0	0.0	57.5	2.1	-2.6	0.0	0.0	27.6	0.0	2.0	-21.1
2254	17641503.85	4751691.13	5.80	1	D	4000	58.3	0.0	0.0	0.0	0.0	57.5	7.0	-2.6	0.0	0.0	27.6	0.0	2.0	-33.3
2254	17641503.85	4751691.13	5.80	1	D	8000	50.2	0.0	0.0	0.0	0.0	57.5	24.8	-2.6	0.0	0.0	27.6	0.0	2.0	-59.2
2254	17641503.85	4751691.13	5.80	1	N	125	57.8	0.0	0.0	0.0	0.0	57.5	0.1	-2.2	0.0	0.0	17.1	0.0	2.0	-16.7
2254	17641503.85	4751691.13	5.80	1	N	250	62.5	0.0	0.0	0.0	0.0	57.5	0.2	-0.8	0.0	0.0	18.5	0.0	2.0	-15.0
2254	17641503.85	4751691.13	5.80	1	N	500	70.4	0.0	0.0	0.0	0.0	57.5	0.4	-1.3	0.0	0.0	22.0	0.0	2.0	-10.2
2254	17641503.85	4751691.13	5.80	1	N	1000	67.6	0.0	0.0	0.0	0.0	57.5	0.8	-2.4	0.0	0.0	26.0	0.0	2.0	-16.4
2254	17641503.85	4751691.13	5.80	1	N	2000	65.5	0.0	0.0	0.0	0.0	57.5	2.1	-2.6	0.0	0.0	27.6	0.0	2.0	-21.1
2254	17641503.85	4751691.13	5.80	1	N	4000	58.3	0.0	0.0	0.0	0.0	57.5	7.0	-2.6	0.0	0.0	27.6	0.0	2.0	-33.3
2254	17641503.85	4751691.13	5.80	1	N	8000	50.2	0.0	0.0	0.0	0.0	57.5	24.8	-2.6	0.0	0.0	27.6	0.0	2.0	-59.2
2254	17641503.85	4751691.13	5.80	1	E	125	57.8	0.0	0.0	0.0	0.0	57.5	0.1	-2.2	0.0	0.0	17.1	0.0	2.0	-16.7
2254	17641503.85	4751691.13	5.80	1	E	250	62.5	0.0	0.0	0.0	0.0	57.5	0.2	-0.8	0.0	0.0	18.5	0.0	2.0	-15.0
2254	17641503.85	4751691.13	5.80	1	E	500	70.4	0.0	0.0	0.0	0.0	57.5	0.4	-1.3	0.0	0.0	22.0	0.0	2.0	-10.2
2254	17641503.85	4751691.13	5.80	1	E	1000	67.6	0.0	0.0	0.0	0.0	57.5	0.8	-2.4	0.0	0.0	26.0	0.0	2.0	-16.4
2254	17641503.85	4751691.13	5.80	1	E	2000	65.5	0.0	0.0	0.0	0.0	57.5	2.1	-2.6	0.0	0.0	27.6	0.0	2.0	-21.1
2254	17641503.85	4751691.13	5.80	1	E	4000	58.3	0.0	0.0	0.0	0.0	57.5	7.0	-2.6	0.0	0.0	27.6	0.0	2.0	-33.3
2254	17641503.85	4751691.13	5.80	1	E	8000	50.2	0.0	0.0	0.0	0.0	57.5	24.8	-2.6	0.0	0.0	27.6	0.0	2.0	-59.2
2255	17641503.85	4751691.13	5.80	2	D	2000	65.5	0.0	0.0	0.0	0.0	60.3	2.8	-3.3	0.0	0.0	28.3	0.0	4.0	-26.6
2255	17641503.85	4751691.13	5.80	2	D	4000	58.3	0.0	0.0	0.0	0.0	60.3	9.5	-3.3	0.0	0.0	28.3	0.0	4.0	-40.6
2255	17641503.85	4751691.13	5.80	2	D	8000	50.2	0.0	0.0	0.0	0.0	60.3	34.0	-3.3	0.0	0.0	28.3	0.0	4.0	-73.2
2255	17641503.85	4751691.13	5.80	2	N	2000	65.5	0.0	0.0	0.0	0.0	60.3	2.8	-3.3	0.0	0.0	28.3	0.0	4.0	-26.6
2255	17641503.85	4751691.13	5.80	2	N	4000	58.3	0.0	0.0	0.0	0.0	60.3	9.5	-3.3	0.0	0.0	28.3	0.0	4.0	-40.6
2255	17641503.85	4751691.13	5.80	2	N	8000	50.2	0.0	0.0	0.0	0.0	60.3	34.0	-3.3	0.0	0.0	28.3	0.0	4.0	-73.2
2255	17641503.85	4751691.13	5.80	2	E	2000	65.5	0.0	0.0	0.0	0.0	60.3	2.8	-3.3	0.0	0.0	28.3	0.0	4.0	-26.6
2255	17641503.85	4751691.13	5.80	2	E	4000	58.3	0.0	0.0	0.0	0.0	60.3	9.5	-3.3	0.0	0.0	28.3	0.0	4.0	-40.6
2255	17641503.85	4751691.13	5.80	2	E	8000	50.2	0.0	0.0	0.0	0.0	60.3	34.0	-3.3	0.0	0.0	28.3	0.0	4.0	-73.2
2257	17641503.85	4751691.13	5.80	1	D	1000	67.6	0.0	0.0	0.0	0.0	57.9	0.8	-2.3	0.0	0.0	25.6	0.0	2.0	-16.5
2257	17641503.85	4751691.13	5.80	1	D	2000	65.5	0.0	0.0	0.0	0.0	57.9	2.2	-2.5	0.0	0.0	27.5	0.0	2.0	-21.6
2257	17641503.85	4751691.13	5.80	1	D	4000	58.3	0.0	0.0	0.0	0.0	57.9	7.3	-2.5	0.0	0.0	27.5	0.0	2.0	-34.0
2257	17641503.85	4751691.13	5.80	1	D	8000	50.2	0.0	0.0	0.0	0.0	57.9	26.0	-2.5	0.0	0.0	27.5	0.0	2.0	-60.8
2257	17641503.85	4751691.13	5.80	1	N	1000	67.6	0.0	0.0	0.0	0.0	57.9	0.8	-2.3	0.0	0.0	25.6	0.0	2.0	-16.5
2257	17641503.85	4751691.13	5.80	1	N	2000	65.5	0.0	0.0	0.0	0.0	57.9	2.2	-2.5	0.0	0.0	27.5	0.0	2.0	-21.6
2257	17641503.85	4751691.13	5.80	1	N	4000	58.3	0.0	0.0	0.0	0.0	57.9	7.3	-2.5	0.0	0.0	27.5	0.0	2.0	-34.0
2257	17641503.85	4751691.13	5.80	1	N	8000	50.2	0.0	0.0	0.0	0.0	57.9	26.0	-2.5	0.0	0.0	27.5	0.0	2.0	-60.8
2257	17641503.85	4751691.13	5.80	1	E	1000	67.6	0.0	0.0	0.0	0.0	57.9	0.8	-2.3	0.0	0.0	25.6	0.0	2.0	-16.5
2257	17641503.85	4751691.13	5.80	1	E	2000	65.5	0.0	0.0	0.0	0.0	57.9	2.2	-2.5	0.0	0.0	27.5	0.0	2.0	-21.6
2257	17641503.85	4751691.13	5.80	1	E	4000	58.3	0.0	0.0	0.0	0.0	57.9	7.3	-2.5	0.0	0.0	27.5	0.0	2.0	-34.0
2257	17641503.85	4751691.13	5.80	1	E	8000	50.2	0.0	0.0	0.0	0.0	57.9	26.0	-2.5	0.0	0.0	27.5	0.0	2.0	-60.8
2259	17641503.85	4751691.13	5.80	2	D	1000	67.6	0.0	0.0	0.0	0.0	58.4	0.9	-2.5	0.0	0.0	25.8	0.0	4.0	-18.9
2259	17641503.85	4751691.13	5.80	2	D	2000	65.5	0.0	0.0	0.0	0.0	58.4	2.3	-2.7	0.0	0.0	27.7	0.0	4.0	-24.1
2259	17641503.85	4751691.13	5.80	2	D	4000	58.3	0.0	0.0	0.0	0.0	58.4	7.7	-2.7	0.0	0.0	27.7	0.0	4.0	-36.8
2259	17641503.85	4751691.13	5.80	2	D	8000	50.2	0.0	0.0	0.0	0.0	58.4	27.3	-2.7	0.0	0.0	27.7	0.0	4.0	-64.5
2259	17641503.85	4751691.13	5.80	2	N	1000	67.6	0.0	0.0	0.0	0.0	58.4	0.9	-2.5	0.0	0.0	25.8	0.0	4.0	-18.9
2259	17641503.85	4751691.13	5.80	2	N	2000	65.5	0.0	0.0	0.0	0.0	58.4	2.3	-2.7	0.0	0.0	27.7	0.0	4.0	-24.1
2259	17641503.85	4751691.13	5.80	2	N	4000	58.3	0.0	0.0	0.0	0.0	58.4	7.7	-2.7	0.0	0.0	27.7	0.0	4.0	-36.8
2259	17641503.85	4751691.13	5.80	2	N	8000	50.2	0.0	0.0	0.0	0.0	58.4	27.3	-2.7	0.0	0.0	27.7</			















Line Source, ISO 9613, Name: "Canadian Tire Medium Truck Movement", ID: "TrKM_Mov_CT"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB(A))
2308	17641519.76	4751832.88	2.40	2	D	8000	42.6	6.6	0.0	0.0	0.0	49.2	9.5	-0.9	0.0	0.0	25.9	0.0	4.0	-38.5
2308	17641519.76	4751832.88	2.40	2	N	500	-48.9	6.6	0.0	0.0	0.0	49.2	0.2	3.2	0.0	0.0	9.2	0.0	4.0	-108.1
2308	17641519.76	4751832.88	2.40	2	N	1000	-47.9	6.6	0.0	0.0	0.0	49.2	0.3	-0.4	0.0	0.0	16.9	0.0	4.0	-111.3
2308	17641519.76	4751832.88	2.40	2	N	2000	-49.4	6.6	0.0	0.0	0.0	49.2	0.8	-0.9	0.0	0.0	21.4	0.0	4.0	-117.2
2308	17641519.76	4751832.88	2.40	2	N	4000	-53.8	6.6	0.0	0.0	0.0	49.2	2.7	-0.9	0.0	0.0	24.7	0.0	4.0	-126.9
2308	17641519.76	4751832.88	2.40	2	N	8000	-60.4	6.6	0.0	0.0	0.0	49.2	9.5	-0.9	0.0	0.0	25.9	0.0	4.0	-141.5
2308	17641519.76	4751832.88	2.40	2	E	500	-48.9	6.6	0.0	0.0	0.0	49.2	0.2	3.2	0.0	0.0	9.2	0.0	4.0	-108.1
2308	17641519.76	4751832.88	2.40	2	E	1000	-47.9	6.6	0.0	0.0	0.0	49.2	0.3	-0.4	0.0	0.0	16.9	0.0	4.0	-111.3
2308	17641519.76	4751832.88	2.40	2	E	2000	-49.4	6.6	0.0	0.0	0.0	49.2	0.8	-0.9	0.0	0.0	21.4	0.0	4.0	-117.2
2308	17641519.76	4751832.88	2.40	2	E	4000	-53.8	6.6	0.0	0.0	0.0	49.2	2.7	-0.9	0.0	0.0	24.7	0.0	4.0	-126.9
2308	17641519.76	4751832.88	2.40	2	E	8000	-60.4	6.6	0.0	0.0	0.0	49.2	9.5	-0.9	0.0	0.0	25.9	0.0	4.0	-141.5
2309	17641519.30	4751827.35	2.40	2	D	500	54.1	1.7	0.0	0.0	0.0	49.7	0.2	3.0	0.0	0.0	9.5	0.0	4.0	-10.6
2309	17641519.30	4751827.35	2.40	2	D	1000	55.1	1.7	0.0	0.0	0.0	49.7	0.3	-0.5	0.0	0.0	16.4	0.0	4.0	-13.0
2309	17641519.30	4751827.35	2.40	2	D	2000	53.6	1.7	0.0	0.0	0.0	49.7	0.8	-1.0	0.0	0.0	21.1	0.0	4.0	-19.3
2309	17641519.30	4751827.35	2.40	2	D	4000	49.2	1.7	0.0	0.0	0.0	49.7	2.8	-1.0	0.0	0.0	25.4	0.0	4.0	-29.9
2309	17641519.30	4751827.35	2.40	2	D	8000	42.6	1.7	0.0	0.0	0.0	49.7	10.0	-1.0	0.0	0.0	26.0	0.0	4.0	-44.4
2309	17641519.30	4751827.35	2.40	2	N	500	-48.9	1.7	0.0	0.0	0.0	49.7	0.2	3.0	0.0	0.0	9.5	0.0	4.0	-113.6
2309	17641519.30	4751827.35	2.40	2	N	1000	-47.9	1.7	0.0	0.0	0.0	49.7	0.3	-0.5	0.0	0.0	16.4	0.0	4.0	-116.0
2309	17641519.30	4751827.35	2.40	2	N	2000	-49.4	1.7	0.0	0.0	0.0	49.7	0.8	-1.0	0.0	0.0	21.1	0.0	4.0	-122.3
2309	17641519.30	4751827.35	2.40	2	N	4000	-53.8	1.7	0.0	0.0	0.0	49.7	2.8	-1.0	0.0	0.0	25.4	0.0	4.0	-132.9
2309	17641519.30	4751827.35	2.40	2	N	8000	-60.4	1.7	0.0	0.0	0.0	49.7	10.0	-1.0	0.0	0.0	26.0	0.0	4.0	-147.4
2309	17641519.30	4751827.35	2.40	2	E	500	-48.9	1.7	0.0	0.0	0.0	49.7	0.2	3.0	0.0	0.0	9.5	0.0	4.0	-113.6
2309	17641519.30	4751827.35	2.40	2	E	1000	-47.9	1.7	0.0	0.0	0.0	49.7	0.3	-0.5	0.0	0.0	16.4	0.0	4.0	-116.0
2309	17641519.30	4751827.35	2.40	2	E	2000	-49.4	1.7	0.0	0.0	0.0	49.7	0.8	-1.0	0.0	0.0	21.1	0.0	4.0	-122.3
2309	17641519.30	4751827.35	2.40	2	E	4000	-53.8	1.7	0.0	0.0	0.0	49.7	2.8	-1.0	0.0	0.0	25.4	0.0	4.0	-132.9
2309	17641519.30	4751827.35	2.40	2	E	8000	-60.4	1.7	0.0	0.0	0.0	49.7	10.0	-1.0	0.0	0.0	26.0	0.0	4.0	-147.4
2312	17641519.05	4751824.31	2.40	2	D	500	54.1	2.2	0.0	0.0	0.0	51.1	0.2	0.9	0.0	0.0	14.7	0.0	4.0	-14.5
2312	17641519.05	4751824.31	2.40	2	D	1000	55.1	2.2	0.0	0.0	0.0	51.1	0.4	-1.5	0.0	0.0	20.2	0.0	4.0	-16.8
2312	17641519.05	4751824.31	2.40	2	D	2000	53.6	2.2	0.0	0.0	0.0	51.1	1.0	-1.9	0.0	0.0	23.6	0.0	4.0	-21.9
2312	17641519.05	4751824.31	2.40	2	D	4000	49.2	2.2	0.0	0.0	0.0	51.1	3.3	-1.9	0.0	0.0	26.6	0.0	4.0	-31.6
2312	17641519.05	4751824.31	2.40	2	D	8000	42.6	2.2	0.0	0.0	0.0	51.1	11.8	-1.9	0.0	0.0	26.9	0.0	4.0	-47.0
2312	17641519.05	4751824.31	2.40	2	N	500	-48.9	2.2	0.0	0.0	0.0	51.1	0.2	0.9	0.0	0.0	14.7	0.0	4.0	-117.5
2312	17641519.05	4751824.31	2.40	2	N	1000	-47.9	2.2	0.0	0.0	0.0	51.1	0.4	-1.5	0.0	0.0	20.2	0.0	4.0	-119.8
2312	17641519.05	4751824.31	2.40	2	N	2000	-49.4	2.2	0.0	0.0	0.0	51.1	1.0	-1.9	0.0	0.0	23.6	0.0	4.0	-124.9
2312	17641519.05	4751824.31	2.40	2	N	4000	-53.8	2.2	0.0	0.0	0.0	51.1	3.3	-1.9	0.0	0.0	26.6	0.0	4.0	-134.6
2312	17641519.05	4751824.31	2.40	2	N	8000	-60.4	2.2	0.0	0.0	0.0	51.1	11.8	-1.9	0.0	0.0	26.9	0.0	4.0	-150.0
2312	17641519.05	4751824.31	2.40	2	E	500	-48.9	2.2	0.0	0.0	0.0	51.1	0.2	0.9	0.0	0.0	14.7	0.0	4.0	-117.5
2312	17641519.05	4751824.31	2.40	2	E	1000	-47.9	2.2	0.0	0.0	0.0	51.1	0.4	-1.5	0.0	0.0	20.2	0.0	4.0	-119.8
2312	17641519.05	4751824.31	2.40	2	E	2000	-49.4	2.2	0.0	0.0	0.0	51.1	1.0	-1.9	0.0	0.0	23.6	0.0	4.0	-124.9
2312	17641519.05	4751824.31	2.40	2	E	4000	-53.8	2.2	0.0	0.0	0.0	51.1	3.3	-1.9	0.0	0.0	26.6	0.0	4.0	-134.6
2312	17641519.05	4751824.31	2.40	2	E	8000	-60.4	2.2	0.0	0.0	0.0	51.1	11.8	-1.9	0.0	0.0	26.9	0.0	4.0	-150.0
2314	17641519.15	4751825.52	2.40	2	D	1000	55.1	5.4	0.0	0.0	0.0	52.3	0.4	-1.3	0.0	0.0	19.2	0.0	4.0	-14.1
2314	17641519.15	4751825.52	2.40	2	D	2000	53.6	5.4	0.0	0.0	0.0	52.3	1.1	-1.7	0.0	0.0	22.6	0.0	4.0	-19.3
2314	17641519.15	4751825.52	2.40	2	D	4000	49.2	5.4	0.0	0.0	0.0	52.3	3.8	-1.7	0.0	0.0	25.6	0.0	4.0	-29.3
2314	17641519.15	4751825.52	2.40	2	D	8000	42.6	5.4	0.0	0.0	0.0	52.3	13.6	-1.7	0.0	0.0	26.7	0.0	4.0	-46.9
2314	17641519.15	4751825.52	2.40	2	N	1000	-47.9	5.4	0.0	0.0	0.0	52.3	0.4	-1.3	0.0	0.0	19.2	0.0	4.0	-117.1
2314	17641519.15	4751825.52	2.40	2	N	2000	-49.4	5.4	0.0	0.0	0.0	52.3	1.1	-1.7	0.0	0.0	22.6	0.0	4.0	-122.3
2314	17641519.15	4751825.52	2.40	2	N	4000	-53.8	5.4	0.0	0.0	0.0	52.3	3.8	-1.7	0.0	0.0	25.6	0.0	4.0	-132.3
2314	17641519.15	4751825.52	2.40	2	N	8000	-60.4	5.4	0.0	0.0	0.0	52.3	13.6	-1.7	0.0	0.0	26.7	0.0	4.0	-149.9
2314	17641519.15	4751825.52	2.40	2	E	1000	-47.9	5.4	0.0	0.0	0.0	52.3	0.4	-1.3	0.0	0.0	19.2	0.0	4.0	-117.1
2314	17641519.15	4751825.52	2.40	2	E	2000	-49.4	5.4	0.0	0.0	0.0	52.3	1.1	-1.7	0.0	0.0	22.6	0.0	4.0	-122.3
2314	17641519.15	4751825.52	2.40	2	E	4000	-53.8	5.4	0.0	0.0	0.0	52.3	3.8	-1.7	0.0	0.0	25.6	0.0	4.0	-132.3
2314	17641519.15	4751825.52	2.40	2	E	8000	-60.4	5.4	0.0	0.0	0.0	52.3	13.6	-1.7	0.0	0.0	26.7	0.0	4.0	-149.9
2315	17641519.23	4751826.45	2.40	2	D	1000	55.1	3.4	0.0	0.0	0.0	53.5	0.5	-1.4	0.0	0.0	18.4	0.0	4.0	-16.5
2315	17641519.23	4751826.45	2.40	2	D	2000	53.6	3.4	0.0	0.0	0.0	53.5	1.3	-1.9	0.0	0.0	21.8	0.0	4.0	-21.7
2315	17641519.23	4751826.45	2.40	2	D	4000	49.2	3.4	0.0	0.0	0.0	53.5	4.4	-1.9	0.0	0.0	24.8	0.0	4.0	-32.1
2315	17641519.23	4751826.45	2.40	2	D	8000	42.6	3.4	0.0	0.0	0.0	53.5	15.6	-1.9	0.0	0.0	26.9	0.0	4.0	-52.1
2315	17641519.23	4751826.45	2.40	2	N	1000	-47.9	3.4	0.0	0.0	0.0	53.5	0.5	-1.4	0.0	0.0	18.4	0.0	4.0	-119.5
2315	17641519.23	4751826.45	2.40	2	N	2000	-49.4	3.4	0.0	0.0	0.0	53.5	1.3	-1.9	0.0	0.0	21.8	0.0	4.0	-124.7
2315	17641519.23	4751826.45	2.40	2	N	4000	-53.8	3.4	0.0	0.0	0.0	53.5	4.4	-1.9	0.0	0.0	24.8	0.0	4.0	-135.1
2315	17641519.23	4751826.45	2.40	2	N	8000	-60.4	3.4	0.0	0.0	0.0	53.5	15.6	-1.9	0.0	0.0	26.9	0.0	4.0	-155.1
2315	17641519.23	4751826.45	2.40	2	E	1000	-47.9	3.4	0.0	0.0	0.0	53.5	0.5	-1.4	0.0	0.0	18.4	0.0	4.0	-119.5
2315	17641519.23	4751826.45	2.40	2	E	2000	-49.4	3.4	0.0	0.0	0.0	53.5</								

Line Source, ISO 9613, Name: "Canadian Tire Medium Truck Movement", ID: "TrkM_Mov_CT"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)						
2315	17641519.23	4751826.45	2.40	2	E	4000	-53.8	3.4	0.0	0.0	0.0	53.5	4.4	-1.9	0.0	0.0	24.8	0.0	4.0	-135.1
2315	17641519.23	4751826.45	2.40	2	E	8000	-60.4	3.4	0.0	0.0	0.0	53.5	15.6	-1.9	0.0	0.0	26.9	0.0	4.0	-155.1
2460	17641513.22	4751823.14	2.40	0	D	63	47.1	10.6	0.0	0.0	0.0	47.7	0.0	-3.0	0.0	0.0	3.9	0.0	0.0	9.1
2460	17641513.22	4751823.14	2.40	0	D	125	50.5	10.6	0.0	0.0	0.0	47.7	0.0	-1.0	0.0	0.0	4.4	0.0	0.0	10.0
2460	17641513.22	4751823.14	2.40	0	D	250	52.1	10.6	0.0	0.0	0.0	47.7	0.1	2.4	0.0	0.0	4.9	0.0	0.0	7.7
2460	17641513.22	4751823.14	2.40	0	D	500	54.1	10.6	0.0	0.0	0.0	47.7	0.1	0.5	0.0	0.0	5.9	0.0	0.0	10.5
2460	17641513.22	4751823.14	2.40	0	D	1000	55.1	10.6	0.0	0.0	0.0	47.7	0.2	-1.4	0.0	0.0	7.0	0.0	0.0	12.2
2460	17641513.22	4751823.14	2.40	0	D	2000	53.6	10.6	0.0	0.0	0.0	47.7	0.7	-1.7	0.0	0.0	8.5	0.0	0.0	9.0
2460	17641513.22	4751823.14	2.40	0	D	4000	49.2	10.6	0.0	0.0	0.0	47.7	2.2	-1.7	0.0	0.0	10.5	0.0	0.0	1.1
2460	17641513.22	4751823.14	2.40	0	D	8000	42.6	10.6	0.0	0.0	0.0	47.7	8.0	-1.7	0.0	0.0	12.8	0.0	0.0	-13.6
2460	17641513.22	4751823.14	2.40	0	N	63	-55.9	10.6	0.0	0.0	0.0	47.7	0.0	-3.0	0.0	0.0	3.9	0.0	0.0	-93.9
2460	17641513.22	4751823.14	2.40	0	N	125	-52.5	10.6	0.0	0.0	0.0	47.7	0.0	-1.0	0.0	0.0	4.4	0.0	0.0	-93.0
2460	17641513.22	4751823.14	2.40	0	N	250	-50.9	10.6	0.0	0.0	0.0	47.7	0.1	2.4	0.0	0.0	4.9	0.0	0.0	-95.3
2460	17641513.22	4751823.14	2.40	0	N	500	-48.9	10.6	0.0	0.0	0.0	47.7	0.1	0.5	0.0	0.0	5.9	0.0	0.0	-92.5
2460	17641513.22	4751823.14	2.40	0	N	1000	-47.9	10.6	0.0	0.0	0.0	47.7	0.2	-1.4	0.0	0.0	7.0	0.0	0.0	-90.8
2460	17641513.22	4751823.14	2.40	0	N	2000	-49.4	10.6	0.0	0.0	0.0	47.7	0.7	-1.7	0.0	0.0	8.5	0.0	0.0	-94.0
2460	17641513.22	4751823.14	2.40	0	N	4000	-53.8	10.6	0.0	0.0	0.0	47.7	2.2	-1.7	0.0	0.0	10.5	0.0	0.0	-101.9
2460	17641513.22	4751823.14	2.40	0	N	8000	-60.4	10.6	0.0	0.0	0.0	47.7	8.0	-1.7	0.0	0.0	12.8	0.0	0.0	-116.6
2460	17641513.22	4751823.14	2.40	0	E	63	-55.9	10.6	0.0	0.0	0.0	47.7	0.0	-3.0	0.0	0.0	3.9	0.0	0.0	-93.9
2460	17641513.22	4751823.14	2.40	0	E	125	-52.5	10.6	0.0	0.0	0.0	47.7	0.0	-1.0	0.0	0.0	4.4	0.0	0.0	-93.0
2460	17641513.22	4751823.14	2.40	0	E	250	-50.9	10.6	0.0	0.0	0.0	47.7	0.1	2.4	0.0	0.0	4.9	0.0	0.0	-95.3
2460	17641513.22	4751823.14	2.40	0	E	500	-48.9	10.6	0.0	0.0	0.0	47.7	0.1	0.5	0.0	0.0	5.9	0.0	0.0	-92.5
2460	17641513.22	4751823.14	2.40	0	E	1000	-47.9	10.6	0.0	0.0	0.0	47.7	0.2	-1.4	0.0	0.0	7.0	0.0	0.0	-90.8
2460	17641513.22	4751823.14	2.40	0	E	2000	-49.4	10.6	0.0	0.0	0.0	47.7	0.7	-1.7	0.0	0.0	8.5	0.0	0.0	-94.0
2460	17641513.22	4751823.14	2.40	0	E	4000	-53.8	10.6	0.0	0.0	0.0	47.7	2.2	-1.7	0.0	0.0	10.5	0.0	0.0	-101.9
2460	17641513.22	4751823.14	2.40	0	E	8000	-60.4	10.6	0.0	0.0	0.0	47.7	8.0	-1.7	0.0	0.0	12.8	0.0	0.0	-116.6
2461	17641512.02	4751823.07	2.40	1	D	250	52.1	9.6	0.0	0.0	0.0	49.9	0.1	-0.1	0.0	0.0	17.3	0.0	2.0	-7.4
2461	17641512.02	4751823.07	2.40	1	D	500	54.1	9.6	0.0	0.0	0.0	49.9	0.2	-1.1	0.0	0.0	22.0	0.0	2.0	-9.2
2461	17641512.02	4751823.07	2.40	1	D	1000	55.1	9.6	0.0	0.0	0.0	49.9	0.3	-2.2	0.0	0.0	26.2	0.0	2.0	-11.5
2461	17641512.02	4751823.07	2.40	1	D	2000	53.6	9.6	0.0	0.0	0.0	49.9	0.8	-2.4	0.0	0.0	27.4	0.0	2.0	-14.5
2461	17641512.02	4751823.07	2.40	1	D	4000	49.2	9.6	0.0	0.0	0.0	49.9	2.9	-2.4	0.0	0.0	27.4	0.0	2.0	-20.9
2461	17641512.02	4751823.07	2.40	1	D	8000	42.6	9.6	0.0	0.0	0.0	49.9	10.3	-2.4	0.0	0.0	27.4	0.0	2.0	-35.0
2461	17641512.02	4751823.07	2.40	1	N	250	-50.9	9.6	0.0	0.0	0.0	49.9	0.1	-0.1	0.0	0.0	17.3	0.0	2.0	-110.4
2461	17641512.02	4751823.07	2.40	1	N	500	-48.9	9.6	0.0	0.0	0.0	49.9	0.2	-1.1	0.0	0.0	22.0	0.0	2.0	-112.2
2461	17641512.02	4751823.07	2.40	1	N	1000	-47.9	9.6	0.0	0.0	0.0	49.9	0.3	-2.2	0.0	0.0	26.2	0.0	2.0	-114.6
2461	17641512.02	4751823.07	2.40	1	N	2000	-49.4	9.6	0.0	0.0	0.0	49.9	0.8	-2.4	0.0	0.0	27.4	0.0	2.0	-117.6
2461	17641512.02	4751823.07	2.40	1	N	4000	-53.8	9.6	0.0	0.0	0.0	49.9	2.9	-2.4	0.0	0.0	27.4	0.0	2.0	-123.9
2461	17641512.02	4751823.07	2.40	1	N	8000	-60.4	9.6	0.0	0.0	0.0	49.9	10.3	-2.4	0.0	0.0	27.4	0.0	2.0	-138.0
2461	17641512.02	4751823.07	2.40	1	E	250	-50.9	9.6	0.0	0.0	0.0	49.9	0.1	-0.1	0.0	0.0	17.3	0.0	2.0	-110.4
2461	17641512.02	4751823.07	2.40	1	E	500	-48.9	9.6	0.0	0.0	0.0	49.9	0.2	-1.1	0.0	0.0	22.0	0.0	2.0	-112.2
2461	17641512.02	4751823.07	2.40	1	E	1000	-47.9	9.6	0.0	0.0	0.0	49.9	0.3	-2.2	0.0	0.0	26.2	0.0	2.0	-114.6
2461	17641512.02	4751823.07	2.40	1	E	2000	-49.4	9.6	0.0	0.0	0.0	49.9	0.8	-2.4	0.0	0.0	27.4	0.0	2.0	-117.6
2461	17641512.02	4751823.07	2.40	1	E	4000	-53.8	9.6	0.0	0.0	0.0	49.9	2.9	-2.4	0.0	0.0	27.4	0.0	2.0	-123.9
2461	17641512.02	4751823.07	2.40	1	E	8000	-60.4	9.6	0.0	0.0	0.0	49.9	10.3	-2.4	0.0	0.0	27.4	0.0	2.0	-138.0
2463	17641508.91	4751822.89	2.40	2	D	1000	55.1	4.6	0.0	0.0	0.0	56.1	0.7	-3.2	0.0	0.0	26.8	0.0	4.0	-24.6
2463	17641508.91	4751822.89	2.40	2	D	2000	53.6	4.6	0.0	0.0	0.0	56.1	1.7	-3.4	0.0	0.0	28.4	0.0	4.0	-28.7
2463	17641508.91	4751822.89	2.40	2	D	4000	49.2	4.6	0.0	0.0	0.0	56.1	5.9	-3.4	0.0	0.0	28.4	0.0	4.0	-37.2
2463	17641508.91	4751822.89	2.40	2	D	8000	42.6	4.6	0.0	0.0	0.0	56.1	21.1	-3.4	0.0	0.0	28.4	0.0	4.0	-59.0
2463	17641508.91	4751822.89	2.40	2	N	1000	-47.9	4.6	0.0	0.0	0.0	56.1	0.7	-3.2	0.0	0.0	26.8	0.0	4.0	-127.7
2463	17641508.91	4751822.89	2.40	2	N	2000	-49.4	4.6	0.0	0.0	0.0	56.1	1.7	-3.4	0.0	0.0	28.4	0.0	4.0	-131.7
2463	17641508.91	4751822.89	2.40	2	N	4000	-53.8	4.6	0.0	0.0	0.0	56.1	5.9	-3.4	0.0	0.0	28.4	0.0	4.0	-140.2
2463	17641508.91	4751822.89	2.40	2	N	8000	-60.4	4.6	0.0	0.0	0.0	56.1	21.1	-3.4	0.0	0.0	28.4	0.0	4.0	-162.0
2463	17641508.91	4751822.89	2.40	2	E	1000	-47.9	4.6	0.0	0.0	0.0	56.1	0.7	-3.2	0.0	0.0	26.8	0.0	4.0	-127.7
2463	17641508.91	4751822.89	2.40	2	E	2000	-49.4	4.6	0.0	0.0	0.0	56.1	1.7	-3.4	0.0	0.0	28.4	0.0	4.0	-131.7
2463	17641508.91	4751822.89	2.40	2	E	4000	-53.8	4.6	0.0	0.0	0.0	56.1	5.9	-3.4	0.0	0.0	28.4	0.0	4.0	-140.2
2463	17641508.91	4751822.89	2.40	2	E	8000	-60.4	4.6	0.0	0.0	0.0	56.1	21.1	-3.4	0.0	0.0	28.4	0.0	4.0	-162.0
2465	17641508.90	4751822.89	2.40	2	D	500	54.1	4.6	0.0	0.0	0.0	56.6	0.4	2.4	0.0	0.0	8.0	0.0	4.0	-12.7
2465	17641508.90	4751822.89	2.40	2	D	1000	55.1	4.6	0.0	0.0	0.0	56.6	0.7	-1.5	0.0	0.0	14.4	0.0	4.0	-14.6
2465	17641508.90	4751822.89	2.40	2	D	2000	53.6	4.6	0.0	0.0	0.0	56.6	1.8	-2.0	0.0	0.0	17.7	0.0	4.0	-20.0
2465	17641508.90	4751822.89	2.40	2	D	4000	49.2	4.6	0.0	0.0	0.0	56.6	6.3	-2.0	0.0	0.0	20.5	0.0	4.0	-31.6
2465	17641508.90	4751822.89	2.40	2	D	8000	42.6	4.6	0.0	0.0	0.0	56.6	22.3	-2.0	0.0	0.0	23.4	0.0	4.0	-57.2
2465	17641508.90	4751822.89	2.40	2	N	500	-48.9	4.6	0.0	0.0	0.0	56.6	0.4	2.4	0.0	0.0	8.0	0.0	4.0	-115.7
2465	17641508.90	4751822.89	2.40	2	N	1000	-47.9	4.6	0.0	0.0	0.0	56.6	0.7	-1.5	0.0	0.0</				

Line Source, ISO 9613, Name: "Canadian Tire Medium Truck Movement", ID: "TrkM_Mov_CT"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)						
2465	17641508.90	4751822.89	2.40	2	N	2000	-49.4	4.6	0.0	0.0	0.0	56.6	1.8	-2.0	0.0	0.0	17.7	0.0	4.0	-123.0
2465	17641508.90	4751822.89	2.40	2	N	4000	-53.8	4.6	0.0	0.0	0.0	56.6	6.3	-2.0	0.0	0.0	20.5	0.0	4.0	-134.6
2465	17641508.90	4751822.89	2.40	2	N	8000	-60.4	4.6	0.0	0.0	0.0	56.6	22.3	-2.0	0.0	0.0	23.4	0.0	4.0	-160.2
2465	17641508.90	4751822.89	2.40	2	E	500	-48.9	4.6	0.0	0.0	0.0	56.6	0.4	2.4	0.0	0.0	8.0	0.0	4.0	-115.7
2465	17641508.90	4751822.89	2.40	2	E	1000	-47.9	4.6	0.0	0.0	0.0	56.6	0.7	-1.5	0.0	0.0	14.4	0.0	4.0	-117.6
2465	17641508.90	4751822.89	2.40	2	E	2000	-49.4	4.6	0.0	0.0	0.0	56.6	1.8	-2.0	0.0	0.0	17.7	0.0	4.0	-123.0
2465	17641508.90	4751822.89	2.40	2	E	4000	-53.8	4.6	0.0	0.0	0.0	56.6	6.3	-2.0	0.0	0.0	20.5	0.0	4.0	-134.6
2465	17641508.90	4751822.89	2.40	2	E	8000	-60.4	4.6	0.0	0.0	0.0	56.6	22.3	-2.0	0.0	0.0	23.4	0.0	4.0	-160.2
2467	17641517.71	4751823.40	2.40	2	D	500	54.1	4.0	0.0	0.0	0.0	51.0	0.2	0.9	0.0	0.0	14.8	0.0	4.0	-12.8
2467	17641517.71	4751823.40	2.40	2	D	1000	55.1	4.0	0.0	0.0	0.0	51.0	0.4	-1.5	0.0	0.0	20.3	0.0	4.0	-15.1
2467	17641517.71	4751823.40	2.40	2	D	2000	53.6	4.0	0.0	0.0	0.0	51.0	1.0	-1.9	0.0	0.0	23.6	0.0	4.0	-20.2
2467	17641517.71	4751823.40	2.40	2	D	4000	49.2	4.0	0.0	0.0	0.0	51.0	3.3	-1.9	0.0	0.0	26.6	0.0	4.0	-29.8
2467	17641517.71	4751823.40	2.40	2	D	8000	42.6	4.0	0.0	0.0	0.0	51.0	11.8	-1.9	0.0	0.0	26.9	0.0	4.0	-45.2
2467	17641517.71	4751823.40	2.40	2	N	500	-48.9	4.0	0.0	0.0	0.0	51.0	0.2	0.9	0.0	0.0	14.8	0.0	4.0	-115.8
2467	17641517.71	4751823.40	2.40	2	N	1000	-47.9	4.0	0.0	0.0	0.0	51.0	0.4	-1.5	0.0	0.0	20.3	0.0	4.0	-118.1
2467	17641517.71	4751823.40	2.40	2	N	2000	-49.4	4.0	0.0	0.0	0.0	51.0	1.0	-1.9	0.0	0.0	23.6	0.0	4.0	-123.2
2467	17641517.71	4751823.40	2.40	2	N	4000	-53.8	4.0	0.0	0.0	0.0	51.0	3.3	-1.9	0.0	0.0	26.6	0.0	4.0	-132.9
2467	17641517.71	4751823.40	2.40	2	N	8000	-60.4	4.0	0.0	0.0	0.0	51.0	11.8	-1.9	0.0	0.0	26.9	0.0	4.0	-148.2
2467	17641517.71	4751823.40	2.40	2	E	500	-48.9	4.0	0.0	0.0	0.0	51.0	0.2	0.9	0.0	0.0	14.8	0.0	4.0	-115.8
2467	17641517.71	4751823.40	2.40	2	E	1000	-47.9	4.0	0.0	0.0	0.0	51.0	0.4	-1.5	0.0	0.0	20.3	0.0	4.0	-118.1
2467	17641517.71	4751823.40	2.40	2	E	2000	-49.4	4.0	0.0	0.0	0.0	51.0	1.0	-1.9	0.0	0.0	23.6	0.0	4.0	-123.2
2467	17641517.71	4751823.40	2.40	2	E	4000	-53.8	4.0	0.0	0.0	0.0	51.0	3.3	-1.9	0.0	0.0	26.6	0.0	4.0	-132.9
2467	17641517.71	4751823.40	2.40	2	E	8000	-60.4	4.0	0.0	0.0	0.0	51.0	11.8	-1.9	0.0	0.0	26.9	0.0	4.0	-148.2
2469	17641508.70	4751822.88	2.40	1	D	500	54.1	3.9	0.0	0.0	0.0	56.0	0.3	0.8	0.0	0.0	9.9	0.0	2.0	-11.1
2469	17641508.70	4751822.88	2.40	1	D	1000	55.1	3.9	0.0	0.0	0.0	56.0	0.7	-1.9	0.0	0.0	15.2	0.0	2.0	-13.0
2469	17641508.70	4751822.88	2.40	1	D	2000	53.6	3.9	0.0	0.0	0.0	56.0	1.7	-2.3	0.0	0.0	18.4	0.0	2.0	-18.4
2469	17641508.70	4751822.88	2.40	1	D	4000	49.2	3.9	0.0	0.0	0.0	56.0	5.9	-2.3	0.0	0.0	21.3	0.0	2.0	-29.7
2469	17641508.70	4751822.88	2.40	1	D	8000	42.6	3.9	0.0	0.0	0.0	56.0	20.9	-2.3	0.0	0.0	24.2	0.0	2.0	-54.3
2469	17641508.70	4751822.88	2.40	1	N	500	-48.9	3.9	0.0	0.0	0.0	56.0	0.3	0.8	0.0	0.0	9.9	0.0	2.0	-114.1
2469	17641508.70	4751822.88	2.40	1	N	1000	-47.9	3.9	0.0	0.0	0.0	56.0	0.7	-1.9	0.0	0.0	15.2	0.0	2.0	-116.0
2469	17641508.70	4751822.88	2.40	1	N	2000	-49.4	3.9	0.0	0.0	0.0	56.0	1.7	-2.3	0.0	0.0	18.4	0.0	2.0	-121.4
2469	17641508.70	4751822.88	2.40	1	N	4000	-53.8	3.9	0.0	0.0	0.0	56.0	5.9	-2.3	0.0	0.0	21.3	0.0	2.0	-132.7
2469	17641508.70	4751822.88	2.40	1	N	8000	-60.4	3.9	0.0	0.0	0.0	56.0	20.9	-2.3	0.0	0.0	24.2	0.0	2.0	-157.3
2469	17641508.70	4751822.88	2.40	1	E	500	-48.9	3.9	0.0	0.0	0.0	56.0	0.3	0.8	0.0	0.0	9.9	0.0	2.0	-114.1
2469	17641508.70	4751822.88	2.40	1	E	1000	-47.9	3.9	0.0	0.0	0.0	56.0	0.7	-1.9	0.0	0.0	15.2	0.0	2.0	-116.0
2469	17641508.70	4751822.88	2.40	1	E	2000	-49.4	3.9	0.0	0.0	0.0	56.0	1.7	-2.3	0.0	0.0	18.4	0.0	2.0	-121.4
2469	17641508.70	4751822.88	2.40	1	E	4000	-53.8	3.9	0.0	0.0	0.0	56.0	5.9	-2.3	0.0	0.0	21.3	0.0	2.0	-132.7
2469	17641508.70	4751822.88	2.40	1	E	8000	-60.4	3.9	0.0	0.0	0.0	56.0	20.9	-2.3	0.0	0.0	24.2	0.0	2.0	-157.3
2471	17641508.71	4751822.88	2.40	2	D	500	54.1	4.0	0.0	0.0	0.0	56.9	0.4	0.6	0.0	0.0	8.7	0.0	4.0	-12.5
2471	17641508.71	4751822.88	2.40	2	D	1000	55.1	4.0	0.0	0.0	0.0	56.9	0.7	-2.1	0.0	0.0	13.7	0.0	4.0	-14.2
2471	17641508.71	4751822.88	2.40	2	D	2000	53.6	4.0	0.0	0.0	0.0	56.9	1.9	-2.5	0.0	0.0	16.7	0.0	4.0	-19.5
2471	17641508.71	4751822.88	2.40	2	D	4000	49.2	4.0	0.0	0.0	0.0	56.9	6.5	-2.5	0.0	0.0	19.5	0.0	4.0	-31.2
2471	17641508.71	4751822.88	2.40	2	D	8000	42.6	4.0	0.0	0.0	0.0	56.9	23.1	-2.5	0.0	0.0	22.3	0.0	4.0	-57.4
2471	17641508.71	4751822.88	2.40	2	N	500	-48.9	4.0	0.0	0.0	0.0	56.9	0.4	0.6	0.0	0.0	8.7	0.0	4.0	-115.5
2471	17641508.71	4751822.88	2.40	2	N	1000	-47.9	4.0	0.0	0.0	0.0	56.9	0.7	-2.1	0.0	0.0	13.7	0.0	4.0	-117.2
2471	17641508.71	4751822.88	2.40	2	N	2000	-49.4	4.0	0.0	0.0	0.0	56.9	1.9	-2.5	0.0	0.0	16.7	0.0	4.0	-122.5
2471	17641508.71	4751822.88	2.40	2	N	4000	-53.8	4.0	0.0	0.0	0.0	56.9	6.5	-2.5	0.0	0.0	19.5	0.0	4.0	-134.2
2471	17641508.71	4751822.88	2.40	2	N	8000	-60.4	4.0	0.0	0.0	0.0	56.9	23.1	-2.5	0.0	0.0	22.3	0.0	4.0	-160.4
2471	17641508.71	4751822.88	2.40	2	E	500	-48.9	4.0	0.0	0.0	0.0	56.9	0.4	0.6	0.0	0.0	8.7	0.0	4.0	-115.5
2471	17641508.71	4751822.88	2.40	2	E	1000	-47.9	4.0	0.0	0.0	0.0	56.9	0.7	-2.1	0.0	0.0	13.7	0.0	4.0	-117.2
2471	17641508.71	4751822.88	2.40	2	E	2000	-49.4	4.0	0.0	0.0	0.0	56.9	1.9	-2.5	0.0	0.0	16.7	0.0	4.0	-122.5
2471	17641508.71	4751822.88	2.40	2	E	4000	-53.8	4.0	0.0	0.0	0.0	56.9	6.5	-2.5	0.0	0.0	19.5	0.0	4.0	-134.2
2471	17641508.71	4751822.88	2.40	2	E	8000	-60.4	4.0	0.0	0.0	0.0	56.9	23.1	-2.5	0.0	0.0	22.3	0.0	4.0	-160.4

Point Source, ISO 9613, Name: "Impact Gun", ID: "CT_IG5"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)						
2351	17641505.08	4751813.12	1.85	0	D	32	35.4	0.0	-14.8	0.0	0.0	48.9	0.0	-3.0	0.0	0.0	3.5	0.0	0.0	-28.7
2351	17641505.08	4751813.12	1.85	0	D	63	44.0	0.0	-14.8	0.0	0.0	48.9	0.0	-3.0	0.0	0.0	4.7	0.0	0.0	-21.4
2351	17641505.08	4751813.12	1.85	0	D	125	51.1	0.0	-14.8	0.0	0.0	48.9	0.0	-2.2	0.0	0.0	6.6	0.0	0.0	-16.9
2351	17641505.08	4751813.12	1.85	0	D	250	60.2	0.0	-14.8	0.0	0.0	48.9	0.1	-0.5	0.0	0.0	9.3	0.0	0.0	-12.3
2351	17641505.08	4751813.12	1.85	0	D	500	71.0	0.0	-14.8	0.0	0.0	48.9	0.2	-1.2	0.0	0.0	12.5	0.0	0.0	-4.1
2351	17641505.08	4751813.12	1.85	0	D	1000	84.7	0.0	-14.8	0.0	0.0	48.9	0.3	-2.3	0.0	0.0	15.6	0.0	0.0	7.5

Point Source, ISO 9613, Name: "Impact Gun", ID: "CT IG5"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahou	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)										
2351	17641505.08	4751813.12	1.85	0	D	2000	81.8	0.0	-14.8	0.0	0.0	48.9	0.8	-2.5	0.0	0.0	18.3	0.0	0.0	1.6
2351	17641505.08	4751813.12	1.85	0	D	4000	82.1	0.0	-14.8	0.0	0.0	48.9	2.6	-2.5	0.0	0.0	20.8	0.0	0.0	-2.4
2351	17641505.08	4751813.12	1.85	0	D	8000	82.3	0.0	-14.8	0.0	0.0	48.9	9.1	-2.5	0.0	0.0	22.9	0.0	0.0	-10.9
2351	17641505.08	4751813.12	1.85	0	N	32	35.4	0.0	-188.0	0.0	0.0	48.9	0.0	-3.0	0.0	0.0	3.5	0.0	0.0	-202.0
2351	17641505.08	4751813.12	1.85	0	N	63	44.0	0.0	-188.0	0.0	0.0	48.9	0.0	-3.0	0.0	0.0	4.7	0.0	0.0	-194.6
2351	17641505.08	4751813.12	1.85	0	N	125	51.1	0.0	-188.0	0.0	0.0	48.9	0.0	-2.2	0.0	0.0	6.6	0.0	0.0	-190.1
2351	17641505.08	4751813.12	1.85	0	N	250	60.2	0.0	-188.0	0.0	0.0	48.9	0.1	-0.5	0.0	0.0	9.3	0.0	0.0	-185.5
2351	17641505.08	4751813.12	1.85	0	N	500	71.0	0.0	-188.0	0.0	0.0	48.9	0.2	-1.2	0.0	0.0	12.5	0.0	0.0	-177.3
2351	17641505.08	4751813.12	1.85	0	N	1000	84.7	0.0	-188.0	0.0	0.0	48.9	0.3	-2.3	0.0	0.0	15.6	0.0	0.0	-165.7
2351	17641505.08	4751813.12	1.85	0	N	2000	81.8	0.0	-188.0	0.0	0.0	48.9	0.8	-2.5	0.0	0.0	18.3	0.0	0.0	-171.7
2351	17641505.08	4751813.12	1.85	0	N	4000	82.1	0.0	-188.0	0.0	0.0	48.9	2.6	-2.5	0.0	0.0	20.8	0.0	0.0	-175.6
2351	17641505.08	4751813.12	1.85	0	N	8000	82.3	0.0	-188.0	0.0	0.0	48.9	9.1	-2.5	0.0	0.0	22.9	0.0	0.0	-184.1
2351	17641505.08	4751813.12	1.85	0	E	32	35.4	0.0	-188.0	0.0	0.0	48.9	0.0	-3.0	0.0	0.0	3.5	0.0	0.0	-202.0
2351	17641505.08	4751813.12	1.85	0	E	63	44.0	0.0	-188.0	0.0	0.0	48.9	0.0	-3.0	0.0	0.0	4.7	0.0	0.0	-194.6
2351	17641505.08	4751813.12	1.85	0	E	125	51.1	0.0	-188.0	0.0	0.0	48.9	0.0	-2.2	0.0	0.0	6.6	0.0	0.0	-190.1
2351	17641505.08	4751813.12	1.85	0	E	250	60.2	0.0	-188.0	0.0	0.0	48.9	0.1	-0.5	0.0	0.0	9.3	0.0	0.0	-185.5
2351	17641505.08	4751813.12	1.85	0	E	500	71.0	0.0	-188.0	0.0	0.0	48.9	0.2	-1.2	0.0	0.0	12.5	0.0	0.0	-177.3
2351	17641505.08	4751813.12	1.85	0	E	1000	84.7	0.0	-188.0	0.0	0.0	48.9	0.3	-2.3	0.0	0.0	15.6	0.0	0.0	-165.7
2351	17641505.08	4751813.12	1.85	0	E	2000	81.8	0.0	-188.0	0.0	0.0	48.9	0.8	-2.5	0.0	0.0	18.3	0.0	0.0	-171.7
2351	17641505.08	4751813.12	1.85	0	E	4000	82.1	0.0	-188.0	0.0	0.0	48.9	2.6	-2.5	0.0	0.0	20.8	0.0	0.0	-175.6
2351	17641505.08	4751813.12	1.85	0	E	8000	82.3	0.0	-188.0	0.0	0.0	48.9	9.1	-2.5	0.0	0.0	22.9	0.0	0.0	-184.1
2352	17641505.08	4751813.12	1.85	2	D	1000	84.7	0.0	-14.8	0.0	0.0	56.6	0.7	-3.6	0.0	0.0	27.1	0.0	4.0	-14.9
2352	17641505.08	4751813.12	1.85	2	D	2000	81.8	0.0	-14.8	0.0	0.0	56.6	1.8	-3.8	0.0	0.0	28.8	0.0	4.0	-20.4
2352	17641505.08	4751813.12	1.85	2	D	4000	82.1	0.0	-14.8	0.0	0.0	56.6	6.2	-3.8	0.0	0.0	28.8	0.0	4.0	-24.5
2352	17641505.08	4751813.12	1.85	2	D	8000	82.3	0.0	-14.8	0.0	0.0	56.6	22.2	-3.8	0.0	0.0	28.8	0.0	4.0	-40.3
2352	17641505.08	4751813.12	1.85	2	N	1000	84.7	0.0	-188.0	0.0	0.0	56.6	0.7	-3.6	0.0	0.0	27.1	0.0	4.0	-188.1
2352	17641505.08	4751813.12	1.85	2	N	2000	81.8	0.0	-188.0	0.0	0.0	56.6	1.8	-3.8	0.0	0.0	28.8	0.0	4.0	-193.6
2352	17641505.08	4751813.12	1.85	2	N	4000	82.1	0.0	-188.0	0.0	0.0	56.6	6.2	-3.8	0.0	0.0	28.8	0.0	4.0	-197.7
2352	17641505.08	4751813.12	1.85	2	N	8000	82.3	0.0	-188.0	0.0	0.0	56.6	22.2	-3.8	0.0	0.0	28.8	0.0	4.0	-213.5
2352	17641505.08	4751813.12	1.85	2	E	1000	84.7	0.0	-188.0	0.0	0.0	56.6	0.7	-3.6	0.0	0.0	27.1	0.0	4.0	-188.1
2352	17641505.08	4751813.12	1.85	2	E	2000	81.8	0.0	-188.0	0.0	0.0	56.6	1.8	-3.8	0.0	0.0	28.8	0.0	4.0	-193.6
2352	17641505.08	4751813.12	1.85	2	E	4000	82.1	0.0	-188.0	0.0	0.0	56.6	6.2	-3.8	0.0	0.0	28.8	0.0	4.0	-197.7
2352	17641505.08	4751813.12	1.85	2	E	8000	82.3	0.0	-188.0	0.0	0.0	56.6	22.2	-3.8	0.0	0.0	28.8	0.0	4.0	-213.5
2355	17641505.08	4751813.12	1.85	2	D	500	71.0	0.0	-14.8	0.0	0.0	57.1	0.4	2.0	0.0	0.0	9.3	0.0	4.0	-16.5
2355	17641505.08	4751813.12	1.85	2	D	1000	84.7	0.0	-14.8	0.0	0.0	57.1	0.7	-1.9	0.0	0.0	15.7	0.0	4.0	-5.7
2355	17641505.08	4751813.12	1.85	2	D	2000	81.8	0.0	-14.8	0.0	0.0	57.1	1.9	-2.5	0.0	0.0	19.1	0.0	4.0	-12.6
2355	17641505.08	4751813.12	1.85	2	D	4000	82.1	0.0	-14.8	0.0	0.0	57.1	6.6	-2.5	0.0	0.0	21.9	0.0	4.0	-19.7
2355	17641505.08	4751813.12	1.85	2	D	8000	82.3	0.0	-14.8	0.0	0.0	57.1	23.5	-2.5	0.0	0.0	24.9	0.0	4.0	-39.3
2355	17641505.08	4751813.12	1.85	2	N	500	71.0	0.0	-188.0	0.0	0.0	57.1	0.4	2.0	0.0	0.0	9.3	0.0	4.0	-189.8
2355	17641505.08	4751813.12	1.85	2	N	1000	84.7	0.0	-188.0	0.0	0.0	57.1	0.7	-1.9	0.0	0.0	15.7	0.0	4.0	-178.9
2355	17641505.08	4751813.12	1.85	2	N	2000	81.8	0.0	-188.0	0.0	0.0	57.1	1.9	-2.5	0.0	0.0	19.1	0.0	4.0	-185.8
2355	17641505.08	4751813.12	1.85	2	N	4000	82.1	0.0	-188.0	0.0	0.0	57.1	6.6	-2.5	0.0	0.0	21.9	0.0	4.0	-193.0
2355	17641505.08	4751813.12	1.85	2	N	8000	82.3	0.0	-188.0	0.0	0.0	57.1	23.5	-2.5	0.0	0.0	24.9	0.0	4.0	-212.6
2355	17641505.08	4751813.12	1.85	2	E	500	71.0	0.0	-188.0	0.0	0.0	57.1	0.4	2.0	0.0	0.0	9.3	0.0	4.0	-189.8
2355	17641505.08	4751813.12	1.85	2	E	1000	84.7	0.0	-188.0	0.0	0.0	57.1	0.7	-1.9	0.0	0.0	15.7	0.0	4.0	-178.9
2355	17641505.08	4751813.12	1.85	2	E	2000	81.8	0.0	-188.0	0.0	0.0	57.1	1.9	-2.5	0.0	0.0	19.1	0.0	4.0	-185.8
2355	17641505.08	4751813.12	1.85	2	E	4000	82.1	0.0	-188.0	0.0	0.0	57.1	6.6	-2.5	0.0	0.0	21.9	0.0	4.0	-193.0
2355	17641505.08	4751813.12	1.85	2	E	8000	82.3	0.0	-188.0	0.0	0.0	57.1	23.5	-2.5	0.0	0.0	24.9	0.0	4.0	-212.6
2356	17641505.08	4751813.12	1.85	1	D	500	71.0	0.0	-14.8	0.0	0.0	56.5	0.4	0.4	0.0	0.0	11.4	0.0	2.0	-14.4
2356	17641505.08	4751813.12	1.85	1	D	1000	84.7	0.0	-14.8	0.0	0.0	56.5	0.7	-2.4	0.0	0.0	16.8	0.0	2.0	-3.6
2356	17641505.08	4751813.12	1.85	1	D	2000	81.8	0.0	-14.8	0.0	0.0	56.5	1.8	-2.8	0.0	0.0	20.0	0.0	2.0	-10.4
2356	17641505.08	4751813.12	1.85	1	D	4000	82.1	0.0	-14.8	0.0	0.0	56.5	6.2	-2.8	0.0	0.0	22.8	0.0	2.0	-17.4
2356	17641505.08	4751813.12	1.85	1	D	8000	82.3	0.0	-14.8	0.0	0.0	56.5	22.0	-2.8	0.0	0.0	25.8	0.0	2.0	-35.9
2356	17641505.08	4751813.12	1.85	1	N	500	71.0	0.0	-188.0	0.0	0.0	56.5	0.4	0.4	0.0	0.0	11.4	0.0	2.0	-187.7
2356	17641505.08	4751813.12	1.85	1	N	1000	84.7	0.0	-188.0	0.0	0.0	56.5	0.7	-2.4	0.0	0.0	16.8	0.0	2.0	-176.8
2356	17641505.08	4751813.12	1.85	1	N	2000	81.8	0.0	-188.0	0.0	0.0	56.5	1.8	-2.8	0.0	0.0	20.0	0.0	2.0	-183.7
2356	17641505.08	4751813.12	1.85	1	N	4000	82.1	0.0	-188.0	0.0	0.0	56.5	6.2	-2.8	0.0	0.0	22.8	0.0	2.0	-190.6
2356	17641505.08	4751813.12	1.85	1	N	8000	82.3	0.0	-188.0	0.0	0.0	56.5	22.0	-2.8	0.0	0.0	25.8	0.0	2.0	-209.2
2356	17641505.08	4751813.12	1.85	1	E	500	71.0	0.0	-188.0	0.0	0.0	56.5	0.4	0.4	0.0	0.0	11.4	0.0	2.0	-187.7
2356	17641505.08	4751813.12	1.85	1	E	1000	84.7	0.0	-188.0	0.0	0.0	56.5	0.7	-2.4	0.0	0.0	16.8	0.0	2.0	-176.8
2356	17641505.08	4751813.12	1.85	1	E	2000	81.8	0.0	-188.0	0.0	0.0	56.5	1.8	-2.8	0.0	0.0	20.0	0.0	2.0	-183.7
2356	17641505.08	4751813.12	1.85	1	E	4000	82.1	0.0	-188.0	0.0	0.0	56.5	6.2	-2.8	0.0	0.0	22.8	0.0	2.0	-190.6
2356	17641505.08	4751813																		

Point Source, ISO 9613, Name: "Impact Gun", ID: "CT_IG4"																				
Nr.	X	Y	Z	Ref.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB(A)
2358	17641501.41	4751813.01	1.85	0	D	32	35.4	0.0	-14.8	0.0	0.0	48.9	0.0	-3.0	0.0	0.0	3.7	0.0	0.0	-29.0
2358	17641501.41	4751813.01	1.85	0	D	63	44.0	0.0	-14.8	0.0	0.0	48.9	0.0	-3.0	0.0	0.0	5.2	0.0	0.0	-21.9
2358	17641501.41	4751813.01	1.85	0	D	125	51.1	0.0	-14.8	0.0	0.0	48.9	0.0	-2.2	0.0	0.0	7.6	0.0	0.0	-18.0
2358	17641501.41	4751813.01	1.85	0	D	250	60.2	0.0	-14.8	0.0	0.0	48.9	0.1	-0.5	0.0	0.0	10.8	0.0	0.0	-13.8
2358	17641501.41	4751813.01	1.85	0	D	500	71.0	0.0	-14.8	0.0	0.0	48.9	0.2	-1.2	0.0	0.0	14.4	0.0	0.0	-6.0
2358	17641501.41	4751813.01	1.85	0	D	1000	84.7	0.0	-14.8	0.0	0.0	48.9	0.3	-2.3	0.0	0.0	17.6	0.0	0.0	5.5
2358	17641501.41	4751813.01	1.85	0	D	2000	81.8	0.0	-14.8	0.0	0.0	48.9	0.8	-2.5	0.0	0.0	20.3	0.0	0.0	-0.5
2358	17641501.41	4751813.01	1.85	0	D	4000	82.1	0.0	-14.8	0.0	0.0	48.9	2.6	-2.5	0.0	0.0	22.5	0.0	0.0	-4.2
2358	17641501.41	4751813.01	1.85	0	D	8000	82.3	0.0	-14.8	0.0	0.0	48.9	9.2	-2.5	0.0	0.0	24.3	0.0	0.0	-12.4
2358	17641501.41	4751813.01	1.85	0	N	32	35.4	0.0	-188.0	0.0	0.0	48.9	0.0	-3.0	0.0	0.0	3.7	0.0	0.0	-202.2
2358	17641501.41	4751813.01	1.85	0	N	63	44.0	0.0	-188.0	0.0	0.0	48.9	0.0	-3.0	0.0	0.0	5.2	0.0	0.0	-195.2
2358	17641501.41	4751813.01	1.85	0	N	125	51.1	0.0	-188.0	0.0	0.0	48.9	0.0	-2.2	0.0	0.0	7.6	0.0	0.0	-191.2
2358	17641501.41	4751813.01	1.85	0	N	250	60.2	0.0	-188.0	0.0	0.0	48.9	0.1	-0.5	0.0	0.0	10.8	0.0	0.0	-187.0
2358	17641501.41	4751813.01	1.85	0	N	500	71.0	0.0	-188.0	0.0	0.0	48.9	0.2	-1.2	0.0	0.0	14.4	0.0	0.0	-179.2
2358	17641501.41	4751813.01	1.85	0	N	1000	84.7	0.0	-188.0	0.0	0.0	48.9	0.3	-2.3	0.0	0.0	17.6	0.0	0.0	-167.8
2358	17641501.41	4751813.01	1.85	0	N	2000	81.8	0.0	-188.0	0.0	0.0	48.9	0.8	-2.5	0.0	0.0	20.3	0.0	0.0	-173.7
2358	17641501.41	4751813.01	1.85	0	N	4000	82.1	0.0	-188.0	0.0	0.0	48.9	2.6	-2.5	0.0	0.0	22.5	0.0	0.0	-177.4
2358	17641501.41	4751813.01	1.85	0	N	8000	82.3	0.0	-188.0	0.0	0.0	48.9	9.2	-2.5	0.0	0.0	24.3	0.0	0.0	-185.6
2358	17641501.41	4751813.01	1.85	0	E	32	35.4	0.0	-188.0	0.0	0.0	48.9	0.0	-3.0	0.0	0.0	3.7	0.0	0.0	-202.2
2358	17641501.41	4751813.01	1.85	0	E	63	44.0	0.0	-188.0	0.0	0.0	48.9	0.0	-3.0	0.0	0.0	5.2	0.0	0.0	-195.2
2358	17641501.41	4751813.01	1.85	0	E	125	51.1	0.0	-188.0	0.0	0.0	48.9	0.0	-2.2	0.0	0.0	7.6	0.0	0.0	-191.2
2358	17641501.41	4751813.01	1.85	0	E	250	60.2	0.0	-188.0	0.0	0.0	48.9	0.1	-0.5	0.0	0.0	10.8	0.0	0.0	-187.0
2358	17641501.41	4751813.01	1.85	0	E	500	71.0	0.0	-188.0	0.0	0.0	48.9	0.2	-1.2	0.0	0.0	14.4	0.0	0.0	-179.2
2358	17641501.41	4751813.01	1.85	0	E	1000	84.7	0.0	-188.0	0.0	0.0	48.9	0.3	-2.3	0.0	0.0	17.6	0.0	0.0	-167.8
2358	17641501.41	4751813.01	1.85	0	E	2000	81.8	0.0	-188.0	0.0	0.0	48.9	0.8	-2.5	0.0	0.0	20.3	0.0	0.0	-173.7
2358	17641501.41	4751813.01	1.85	0	E	4000	82.1	0.0	-188.0	0.0	0.0	48.9	2.6	-2.5	0.0	0.0	22.5	0.0	0.0	-177.4
2358	17641501.41	4751813.01	1.85	0	E	8000	82.3	0.0	-188.0	0.0	0.0	48.9	9.2	-2.5	0.0	0.0	24.3	0.0	0.0	-185.6
2360	17641501.41	4751813.01	1.85	2	D	1000	84.7	0.0	-14.8	0.0	0.0	56.6	0.7	-3.6	0.0	0.0	27.1	0.0	4.0	-14.9
2360	17641501.41	4751813.01	1.85	2	D	2000	81.8	0.0	-14.8	0.0	0.0	56.6	1.8	-3.8	0.0	0.0	28.8	0.0	4.0	-20.4
2360	17641501.41	4751813.01	1.85	2	D	4000	82.1	0.0	-14.8	0.0	0.0	56.6	6.2	-3.8	0.0	0.0	28.8	0.0	4.0	-24.5
2360	17641501.41	4751813.01	1.85	2	D	8000	82.3	0.0	-14.8	0.0	0.0	56.6	22.2	-3.8	0.0	0.0	28.8	0.0	4.0	-40.3
2360	17641501.41	4751813.01	1.85	2	N	1000	84.7	0.0	-188.0	0.0	0.0	56.6	0.7	-3.6	0.0	0.0	27.1	0.0	4.0	-188.1
2360	17641501.41	4751813.01	1.85	2	N	2000	81.8	0.0	-188.0	0.0	0.0	56.6	1.8	-3.8	0.0	0.0	28.8	0.0	4.0	-193.6
2360	17641501.41	4751813.01	1.85	2	N	4000	82.1	0.0	-188.0	0.0	0.0	56.6	6.2	-3.8	0.0	0.0	28.8	0.0	4.0	-197.7
2360	17641501.41	4751813.01	1.85	2	N	8000	82.3	0.0	-188.0	0.0	0.0	56.6	22.2	-3.8	0.0	0.0	28.8	0.0	4.0	-213.5
2360	17641501.41	4751813.01	1.85	2	E	1000	84.7	0.0	-188.0	0.0	0.0	56.6	0.7	-3.6	0.0	0.0	27.1	0.0	4.0	-188.1
2360	17641501.41	4751813.01	1.85	2	E	2000	81.8	0.0	-188.0	0.0	0.0	56.6	1.8	-3.8	0.0	0.0	28.8	0.0	4.0	-193.6
2360	17641501.41	4751813.01	1.85	2	E	4000	82.1	0.0	-188.0	0.0	0.0	56.6	6.2	-3.8	0.0	0.0	28.8	0.0	4.0	-197.7
2360	17641501.41	4751813.01	1.85	2	E	8000	82.3	0.0	-188.0	0.0	0.0	56.6	22.2	-3.8	0.0	0.0	28.8	0.0	4.0	-213.5
2362	17641501.41	4751813.01	1.85	2	D	500	71.0	0.0	-14.8	0.0	0.0	57.1	0.4	1.8	0.0	0.0	9.5	0.0	4.0	-16.5
2362	17641501.41	4751813.01	1.85	2	D	1000	84.7	0.0	-14.8	0.0	0.0	57.1	0.7	-2.0	0.0	0.0	15.8	0.0	4.0	-5.7
2362	17641501.41	4751813.01	1.85	2	D	2000	81.8	0.0	-14.8	0.0	0.0	57.1	1.9	-2.6	0.0	0.0	19.1	0.0	4.0	-12.6
2362	17641501.41	4751813.01	1.85	2	D	4000	82.1	0.0	-14.8	0.0	0.0	57.1	6.6	-2.6	0.0	0.0	22.0	0.0	4.0	-19.7
2362	17641501.41	4751813.01	1.85	2	D	8000	82.3	0.0	-14.8	0.0	0.0	57.1	23.5	-2.6	0.0	0.0	24.9	0.0	4.0	-39.4
2362	17641501.41	4751813.01	1.85	2	N	500	71.0	0.0	-188.0	0.0	0.0	57.1	0.4	1.8	0.0	0.0	9.5	0.0	4.0	-189.8
2362	17641501.41	4751813.01	1.85	2	N	1000	84.7	0.0	-188.0	0.0	0.0	57.1	0.7	-2.0	0.0	0.0	15.8	0.0	4.0	-178.9
2362	17641501.41	4751813.01	1.85	2	N	2000	81.8	0.0	-188.0	0.0	0.0	57.1	1.9	-2.6	0.0	0.0	19.1	0.0	4.0	-185.8
2362	17641501.41	4751813.01	1.85	2	N	4000	82.1	0.0	-188.0	0.0	0.0	57.1	6.6	-2.6	0.0	0.0	22.0	0.0	4.0	-193.0
2362	17641501.41	4751813.01	1.85	2	N	8000	82.3	0.0	-188.0	0.0	0.0	57.1	23.5	-2.6	0.0	0.0	24.9	0.0	4.0	-212.6
2362	17641501.41	4751813.01	1.85	2	E	500	71.0	0.0	-188.0	0.0	0.0	57.1	0.4	1.8	0.0	0.0	9.5	0.0	4.0	-189.8
2362	17641501.41	4751813.01	1.85	2	E	1000	84.7	0.0	-188.0	0.0	0.0	57.1	0.7	-2.0	0.0	0.0	15.8	0.0	4.0	-178.9
2362	17641501.41	4751813.01	1.85	2	E	2000	81.8	0.0	-188.0	0.0	0.0	57.1	1.9	-2.6	0.0	0.0	19.1	0.0	4.0	-185.8
2362	17641501.41	4751813.01	1.85	2	E	4000	82.1	0.0	-188.0	0.0	0.0	57.1	6.6	-2.6	0.0	0.0	22.0	0.0	4.0	-193.0
2362	17641501.41	4751813.01	1.85	2	E	8000	82.3	0.0	-188.0	0.0	0.0	57.1	23.5	-2.6	0.0	0.0	24.9	0.0	4.0	-212.6
2363	17641501.41	4751813.01	1.85	1	D	500	71.0	0.0	-14.8	0.0	0.0	56.5	0.4	0.4	0.0	0.0	11.4	0.0	2.0	-14.4
2363	17641501.41	4751813.01	1.85	1	D	1000	84.7	0.0	-14.8	0.0	0.0	56.5	0.7	-2.4	0.0	0.0	16.7	0.0	2.0	-3.6
2363	17641501.41	4751813.01	1.85	1	D	2000	81.8	0.0	-14.8	0.0	0.0	56.5	1.8	-2.8	0.0	0.0	19.9	0.0	2.0	-10.4
2363	17641501.41	4751813.01	1.85	1	D	4000	82.1	0.0	-14.8	0.0	0.0	56.5	6.2	-2.8	0.0	0.0	22.8	0.0	2.0	-17.4
2363	17641501.41	4751813.01	1.85	1	D	8000	82.3	0.0	-14.8	0.0	0.0	56.5	22.0	-2.8	0.0	0.0	25.7	0.0	2.0	-35.9
2363	17641501.41	4751813.01	1.85	1	N	500	71.0	0.0	-188.0	0.0	0.0	56.5	0.4	0.4	0.0	0.0	11.4	0.0	2.0	-187.7
2363	17641501.41	4751813.01	1.85	1	N	1000	84.7	0.0	-188.0	0.0	0.0	56.5	0.7	-2.4	0.0	0.0	16.7	0.0	2.0	-176.8
2363	17641501.41	4751813.01	1.85	1	N	2000	81.8	0.0	-188.0	0.0	0.0	56.5	1.8	-2.8	0.0	0.0	19.9	0.0	2.0	-183.7
2363	17641501.41	4751813.01	1.85	1																

Point Source, ISO 9613, Name: "Impact Gun", ID: "CT_IG4"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	dB(A)						
2363	17641501.41	4751813.01	1.85	1	N	8000	82.3	0.0	-188.0	0.0	0.0	56.5	22.0	-2.8	0.0	0.0	25.7	0.0	2.0	-209.2
2363	17641501.41	4751813.01	1.85	1	E	500	71.0	0.0	-188.0	0.0	0.0	56.5	0.4	0.4	0.0	0.0	11.4	0.0	2.0	-187.7
2363	17641501.41	4751813.01	1.85	1	E	1000	84.7	0.0	-188.0	0.0	0.0	56.5	0.7	-2.4	0.0	0.0	16.7	0.0	2.0	-176.8
2363	17641501.41	4751813.01	1.85	1	E	2000	81.8	0.0	-188.0	0.0	0.0	56.5	1.8	-2.8	0.0	0.0	19.9	0.0	2.0	-183.7
2363	17641501.41	4751813.01	1.85	1	E	4000	82.1	0.0	-188.0	0.0	0.0	56.5	6.2	-2.8	0.0	0.0	22.8	0.0	2.0	-190.6
2363	17641501.41	4751813.01	1.85	1	E	8000	82.3	0.0	-188.0	0.0	0.0	56.5	22.0	-2.8	0.0	0.0	25.7	0.0	2.0	-209.2

Point Source, ISO 9613, Name: "Impact Gun", ID: "CT_IG3"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	dB(A)						
2405	17641497.85	4751812.91	1.85	0	D	32	35.4	0.0	-14.8	0.0	0.0	49.0	0.0	-3.0	0.0	0.0	3.8	0.0	0.0	-29.2
2405	17641497.85	4751812.91	1.85	0	D	63	44.0	0.0	-14.8	0.0	0.0	49.0	0.0	-3.0	0.0	0.0	5.6	0.0	0.0	-22.4
2405	17641497.85	4751812.91	1.85	0	D	125	51.1	0.0	-14.8	0.0	0.0	49.0	0.0	-2.3	0.0	0.0	8.2	0.0	0.0	-18.5
2405	17641497.85	4751812.91	1.85	0	D	250	60.2	0.0	-14.8	0.0	0.0	49.0	0.1	-0.7	0.0	0.0	11.4	0.0	0.0	-14.3
2405	17641497.85	4751812.91	1.85	0	D	500	71.0	0.0	-14.8	0.0	0.0	49.0	0.2	-1.3	0.0	0.0	14.9	0.0	0.0	-6.5
2405	17641497.85	4751812.91	1.85	0	D	1000	84.7	0.0	-14.8	0.0	0.0	49.0	0.3	-2.4	0.0	0.0	18.2	0.0	0.0	4.8
2405	17641497.85	4751812.91	1.85	0	D	2000	81.8	0.0	-14.8	0.0	0.0	49.0	0.8	-2.5	0.0	0.0	20.9	0.0	0.0	-1.1
2405	17641497.85	4751812.91	1.85	0	D	4000	82.1	0.0	-14.8	0.0	0.0	49.0	2.6	-2.5	0.0	0.0	23.0	0.0	0.0	-4.7
2405	17641497.85	4751812.91	1.85	0	D	8000	82.3	0.0	-14.8	0.0	0.0	49.0	9.2	-2.5	0.0	0.0	24.7	0.0	0.0	-12.8
2405	17641497.85	4751812.91	1.85	0	N	32	35.4	0.0	-188.0	0.0	0.0	49.0	0.0	-3.0	0.0	0.0	3.8	0.0	0.0	-202.4
2405	17641497.85	4751812.91	1.85	0	N	63	44.0	0.0	-188.0	0.0	0.0	49.0	0.0	-3.0	0.0	0.0	5.6	0.0	0.0	-195.6
2405	17641497.85	4751812.91	1.85	0	N	125	51.1	0.0	-188.0	0.0	0.0	49.0	0.0	-2.3	0.0	0.0	8.2	0.0	0.0	-191.8
2405	17641497.85	4751812.91	1.85	0	N	250	60.2	0.0	-188.0	0.0	0.0	49.0	0.1	-0.7	0.0	0.0	11.4	0.0	0.0	-187.5
2405	17641497.85	4751812.91	1.85	0	N	500	71.0	0.0	-188.0	0.0	0.0	49.0	0.2	-1.3	0.0	0.0	14.9	0.0	0.0	-179.8
2405	17641497.85	4751812.91	1.85	0	N	1000	84.7	0.0	-188.0	0.0	0.0	49.0	0.3	-2.4	0.0	0.0	18.2	0.0	0.0	-168.4
2405	17641497.85	4751812.91	1.85	0	N	2000	81.8	0.0	-188.0	0.0	0.0	49.0	0.8	-2.5	0.0	0.0	20.9	0.0	0.0	-174.3
2405	17641497.85	4751812.91	1.85	0	N	4000	82.1	0.0	-188.0	0.0	0.0	49.0	2.6	-2.5	0.0	0.0	23.0	0.0	0.0	-177.9
2405	17641497.85	4751812.91	1.85	0	N	8000	82.3	0.0	-188.0	0.0	0.0	49.0	9.2	-2.5	0.0	0.0	24.7	0.0	0.0	-186.1
2405	17641497.85	4751812.91	1.85	0	E	32	35.4	0.0	-188.0	0.0	0.0	49.0	0.0	-3.0	0.0	0.0	3.8	0.0	0.0	-202.4
2405	17641497.85	4751812.91	1.85	0	E	63	44.0	0.0	-188.0	0.0	0.0	49.0	0.0	-3.0	0.0	0.0	5.6	0.0	0.0	-195.6
2405	17641497.85	4751812.91	1.85	0	E	125	51.1	0.0	-188.0	0.0	0.0	49.0	0.0	-2.3	0.0	0.0	8.2	0.0	0.0	-191.8
2405	17641497.85	4751812.91	1.85	0	E	250	60.2	0.0	-188.0	0.0	0.0	49.0	0.1	-0.7	0.0	0.0	11.4	0.0	0.0	-187.5
2405	17641497.85	4751812.91	1.85	0	E	500	71.0	0.0	-188.0	0.0	0.0	49.0	0.2	-1.3	0.0	0.0	14.9	0.0	0.0	-179.8
2405	17641497.85	4751812.91	1.85	0	E	1000	84.7	0.0	-188.0	0.0	0.0	49.0	0.3	-2.4	0.0	0.0	18.2	0.0	0.0	-168.4
2405	17641497.85	4751812.91	1.85	0	E	2000	81.8	0.0	-188.0	0.0	0.0	49.0	0.8	-2.5	0.0	0.0	20.9	0.0	0.0	-174.3
2405	17641497.85	4751812.91	1.85	0	E	4000	82.1	0.0	-188.0	0.0	0.0	49.0	2.6	-2.5	0.0	0.0	23.0	0.0	0.0	-177.9
2405	17641497.85	4751812.91	1.85	0	E	8000	82.3	0.0	-188.0	0.0	0.0	49.0	9.2	-2.5	0.0	0.0	24.7	0.0	0.0	-186.1
2406	17641497.85	4751812.91	1.85	2	D	1000	84.7	0.0	-14.8	0.0	0.0	56.6	0.7	-3.6	0.0	0.0	27.1	0.0	4.0	-14.9
2406	17641497.85	4751812.91	1.85	2	D	2000	81.8	0.0	-14.8	0.0	0.0	56.6	1.8	-3.8	0.0	0.0	28.8	0.0	4.0	-20.4
2406	17641497.85	4751812.91	1.85	2	D	4000	82.1	0.0	-14.8	0.0	0.0	56.6	6.2	-3.8	0.0	0.0	28.8	0.0	4.0	-24.5
2406	17641497.85	4751812.91	1.85	2	D	8000	82.3	0.0	-14.8	0.0	0.0	56.6	22.3	-3.8	0.0	0.0	28.8	0.0	4.0	-40.3
2406	17641497.85	4751812.91	1.85	2	N	1000	84.7	0.0	-188.0	0.0	0.0	56.6	0.7	-3.6	0.0	0.0	27.1	0.0	4.0	-188.1
2406	17641497.85	4751812.91	1.85	2	N	2000	81.8	0.0	-188.0	0.0	0.0	56.6	1.8	-3.8	0.0	0.0	28.8	0.0	4.0	-193.7
2406	17641497.85	4751812.91	1.85	2	N	4000	82.1	0.0	-188.0	0.0	0.0	56.6	6.2	-3.8	0.0	0.0	28.8	0.0	4.0	-197.7
2406	17641497.85	4751812.91	1.85	2	N	8000	82.3	0.0	-188.0	0.0	0.0	56.6	22.3	-3.8	0.0	0.0	28.8	0.0	4.0	-213.6
2406	17641497.85	4751812.91	1.85	2	E	1000	84.7	0.0	-188.0	0.0	0.0	56.6	0.7	-3.6	0.0	0.0	27.1	0.0	4.0	-188.1
2406	17641497.85	4751812.91	1.85	2	E	2000	81.8	0.0	-188.0	0.0	0.0	56.6	1.8	-3.8	0.0	0.0	28.8	0.0	4.0	-193.7
2406	17641497.85	4751812.91	1.85	2	E	4000	82.1	0.0	-188.0	0.0	0.0	56.6	6.2	-3.8	0.0	0.0	28.8	0.0	4.0	-197.7
2406	17641497.85	4751812.91	1.85	2	E	8000	82.3	0.0	-188.0	0.0	0.0	56.6	22.3	-3.8	0.0	0.0	28.8	0.0	4.0	-213.6
2407	17641497.85	4751812.91	1.85	2	D	500	71.0	0.0	-14.8	0.0	0.0	57.1	0.4	1.7	0.0	0.0	9.6	0.0	4.0	-16.5
2407	17641497.85	4751812.91	1.85	2	D	1000	84.7	0.0	-14.8	0.0	0.0	57.1	0.7	-2.0	0.0	0.0	15.8	0.0	4.0	-5.7
2407	17641497.85	4751812.91	1.85	2	D	2000	81.8	0.0	-14.8	0.0	0.0	57.1	1.9	-2.6	0.0	0.0	19.1	0.0	4.0	-12.6
2407	17641497.85	4751812.91	1.85	2	D	4000	82.1	0.0	-14.8	0.0	0.0	57.1	6.6	-2.6	0.0	0.0	22.0	0.0	4.0	-19.7
2407	17641497.85	4751812.91	1.85	2	D	8000	82.3	0.0	-14.8	0.0	0.0	57.1	23.5	-2.6	0.0	0.0	24.9	0.0	4.0	-39.4
2407	17641497.85	4751812.91	1.85	2	N	500	71.0	0.0	-188.0	0.0	0.0	57.1	0.4	1.7	0.0	0.0	9.6	0.0	4.0	-189.8
2407	17641497.85	4751812.91	1.85	2	N	1000	84.7	0.0	-188.0	0.0	0.0	57.1	0.7	-2.0	0.0	0.0	15.8	0.0	4.0	-178.9
2407	17641497.85	4751812.91	1.85	2	N	2000	81.8	0.0	-188.0	0.0	0.0	57.1	1.9	-2.6	0.0	0.0	19.1	0.0	4.0	-185.8
2407	17641497.85	4751812.91	1.85	2	N	4000	82.1	0.0	-188.0	0.0	0.0	57.1	6.6	-2.6	0.0	0.0	22.0	0.0	4.0	-193.0
2407	17641497.85	4751812.91	1.85	2	N	8000	82.3	0.0	-188.0	0.0	0.0	57.1	23.5	-2.6	0.0	0.0	24.9	0.0	4.0	-212.6
2407	17641497.85	4751812.91	1.85	2	E	500	71.0	0.0	-188.0	0.0	0.0	57.1	0.4	1.7	0.0	0.0	9.6	0.0	4.0	-189.8
2407	17641497.85	4751812.91	1.85	2	E	1000	84.7	0.0	-188.0	0.0	0.0	57.1	0.7	-2.0	0.0	0.0	15.8	0.0	4.0	-178.9
2407	17641497.85	4751812.91	1.85	2	E	2000	81.8	0.0	-188.0	0.0	0.0	57.1	1.9	-2.6	0.0	0.0	19.1	0.0	4.0	-185.8
2407	17641497.85	4751812.91	1.85	2	E	4000	82.1	0.0	-188.0	0.0	0.0	57.1	6.6	-2.6	0.0	0.0	22.0	0.0	4.0	-193.0

Point Source, ISO 9613, Name: "Impact Gun", ID: "CT_IG3"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB(A)
2407	17641497.85	4751812.91	1.85	2	E	8000	82.3	0.0	-188.0	0.0	0.0	57.1	23.5	-2.6	0.0	0.0	24.9	0.0	4.0	-212.6
2409	17641497.85	4751812.91	1.85	1	D	500	71.0	0.0	-14.8	0.0	0.0	56.5	0.4	0.3	0.0	0.0	11.5	0.0	2.0	-14.4
2409	17641497.85	4751812.91	1.85	1	D	1000	84.7	0.0	-14.8	0.0	0.0	56.5	0.7	-2.4	0.0	0.0	16.8	0.0	2.0	-3.6
2409	17641497.85	4751812.91	1.85	1	D	2000	81.8	0.0	-14.8	0.0	0.0	56.5	1.8	-2.8	0.0	0.0	19.9	0.0	2.0	-10.4
2409	17641497.85	4751812.91	1.85	1	D	4000	82.1	0.0	-14.8	0.0	0.0	56.5	6.2	-2.8	0.0	0.0	22.8	0.0	2.0	-17.4
2409	17641497.85	4751812.91	1.85	1	D	8000	82.3	0.0	-14.8	0.0	0.0	56.5	22.0	-2.8	0.0	0.0	25.8	0.0	2.0	-36.0
2409	17641497.85	4751812.91	1.85	1	N	500	71.0	0.0	-188.0	0.0	0.0	56.5	0.4	0.3	0.0	0.0	11.5	0.0	2.0	-187.7
2409	17641497.85	4751812.91	1.85	1	N	1000	84.7	0.0	-188.0	0.0	0.0	56.5	0.7	-2.4	0.0	0.0	16.8	0.0	2.0	-176.8
2409	17641497.85	4751812.91	1.85	1	N	2000	81.8	0.0	-188.0	0.0	0.0	56.5	1.8	-2.8	0.0	0.0	19.9	0.0	2.0	-183.7
2409	17641497.85	4751812.91	1.85	1	N	4000	82.1	0.0	-188.0	0.0	0.0	56.5	6.2	-2.8	0.0	0.0	22.8	0.0	2.0	-190.6
2409	17641497.85	4751812.91	1.85	1	N	8000	82.3	0.0	-188.0	0.0	0.0	56.5	22.0	-2.8	0.0	0.0	25.8	0.0	2.0	-209.2
2409	17641497.85	4751812.91	1.85	1	E	500	71.0	0.0	-188.0	0.0	0.0	56.5	0.4	0.3	0.0	0.0	11.5	0.0	2.0	-187.7
2409	17641497.85	4751812.91	1.85	1	E	1000	84.7	0.0	-188.0	0.0	0.0	56.5	0.7	-2.4	0.0	0.0	16.8	0.0	2.0	-176.8
2409	17641497.85	4751812.91	1.85	1	E	2000	81.8	0.0	-188.0	0.0	0.0	56.5	1.8	-2.8	0.0	0.0	19.9	0.0	2.0	-183.7
2409	17641497.85	4751812.91	1.85	1	E	4000	82.1	0.0	-188.0	0.0	0.0	56.5	6.2	-2.8	0.0	0.0	22.8	0.0	2.0	-190.6
2409	17641497.85	4751812.91	1.85	1	E	8000	82.3	0.0	-188.0	0.0	0.0	56.5	22.0	-2.8	0.0	0.0	25.8	0.0	2.0	-209.2

Point Source, ISO 9613, Name: "Impact Gun", ID: "CT_IG2"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB(A)
2411	17641494.62	4751812.82	1.85	0	D	32	35.4	0.0	-14.8	0.0	0.0	49.0	0.0	-3.0	0.0	0.0	4.0	0.0	0.0	-29.5
2411	17641494.62	4751812.82	1.85	0	D	63	44.0	0.0	-14.8	0.0	0.0	49.0	0.0	-3.0	0.0	0.0	6.0	0.0	0.0	-22.8
2411	17641494.62	4751812.82	1.85	0	D	125	51.1	0.0	-14.8	0.0	0.0	49.0	0.0	-2.3	0.0	0.0	8.8	0.0	0.0	-19.2
2411	17641494.62	4751812.82	1.85	0	D	250	60.2	0.0	-14.8	0.0	0.0	49.0	0.1	-0.7	0.0	0.0	12.0	0.0	0.0	-15.0
2411	17641494.62	4751812.82	1.85	0	D	500	71.0	0.0	-14.8	0.0	0.0	49.0	0.2	-1.3	0.0	0.0	15.6	0.0	0.0	-7.2
2411	17641494.62	4751812.82	1.85	0	D	1000	84.7	0.0	-14.8	0.0	0.0	49.0	0.3	-2.4	0.0	0.0	18.9	0.0	0.0	4.1
2411	17641494.62	4751812.82	1.85	0	D	2000	81.8	0.0	-14.8	0.0	0.0	49.0	0.8	-2.5	0.0	0.0	21.5	0.0	0.0	-1.7
2411	17641494.62	4751812.82	1.85	0	D	4000	82.1	0.0	-14.8	0.0	0.0	49.0	2.6	-2.5	0.0	0.0	23.5	0.0	0.0	-5.3
2411	17641494.62	4751812.82	1.85	0	D	8000	82.3	0.0	-14.8	0.0	0.0	49.0	9.3	-2.5	0.0	0.0	25.1	0.0	0.0	-13.3
2411	17641494.62	4751812.82	1.85	0	N	32	35.4	0.0	-188.0	0.0	0.0	49.0	0.0	-3.0	0.0	0.0	4.0	0.0	0.0	-202.7
2411	17641494.62	4751812.82	1.85	0	N	63	44.0	0.0	-188.0	0.0	0.0	49.0	0.0	-3.0	0.0	0.0	6.0	0.0	0.0	-196.1
2411	17641494.62	4751812.82	1.85	0	N	125	51.1	0.0	-188.0	0.0	0.0	49.0	0.0	-2.3	0.0	0.0	8.8	0.0	0.0	-192.4
2411	17641494.62	4751812.82	1.85	0	N	250	60.2	0.0	-188.0	0.0	0.0	49.0	0.1	-0.7	0.0	0.0	12.0	0.0	0.0	-188.2
2411	17641494.62	4751812.82	1.85	0	N	500	71.0	0.0	-188.0	0.0	0.0	49.0	0.2	-1.3	0.0	0.0	15.6	0.0	0.0	-180.4
2411	17641494.62	4751812.82	1.85	0	N	1000	84.7	0.0	-188.0	0.0	0.0	49.0	0.3	-2.4	0.0	0.0	18.9	0.0	0.0	-169.1
2411	17641494.62	4751812.82	1.85	0	N	2000	81.8	0.0	-188.0	0.0	0.0	49.0	0.8	-2.5	0.0	0.0	21.5	0.0	0.0	-175.0
2411	17641494.62	4751812.82	1.85	0	N	4000	82.1	0.0	-188.0	0.0	0.0	49.0	2.6	-2.5	0.0	0.0	23.5	0.0	0.0	-178.5
2411	17641494.62	4751812.82	1.85	0	N	8000	82.3	0.0	-188.0	0.0	0.0	49.0	9.3	-2.5	0.0	0.0	25.1	0.0	0.0	-186.6
2411	17641494.62	4751812.82	1.85	0	E	32	35.4	0.0	-188.0	0.0	0.0	49.0	0.0	-3.0	0.0	0.0	4.0	0.0	0.0	-202.7
2411	17641494.62	4751812.82	1.85	0	E	63	44.0	0.0	-188.0	0.0	0.0	49.0	0.0	-3.0	0.0	0.0	6.0	0.0	0.0	-196.1
2411	17641494.62	4751812.82	1.85	0	E	125	51.1	0.0	-188.0	0.0	0.0	49.0	0.0	-2.3	0.0	0.0	8.8	0.0	0.0	-192.4
2411	17641494.62	4751812.82	1.85	0	E	250	60.2	0.0	-188.0	0.0	0.0	49.0	0.1	-0.7	0.0	0.0	12.0	0.0	0.0	-188.2
2411	17641494.62	4751812.82	1.85	0	E	500	71.0	0.0	-188.0	0.0	0.0	49.0	0.2	-1.3	0.0	0.0	15.6	0.0	0.0	-180.4
2411	17641494.62	4751812.82	1.85	0	E	1000	84.7	0.0	-188.0	0.0	0.0	49.0	0.3	-2.4	0.0	0.0	18.9	0.0	0.0	-169.1
2411	17641494.62	4751812.82	1.85	0	E	2000	81.8	0.0	-188.0	0.0	0.0	49.0	0.8	-2.5	0.0	0.0	21.5	0.0	0.0	-175.0
2411	17641494.62	4751812.82	1.85	0	E	4000	82.1	0.0	-188.0	0.0	0.0	49.0	2.6	-2.5	0.0	0.0	23.5	0.0	0.0	-178.5
2411	17641494.62	4751812.82	1.85	0	E	8000	82.3	0.0	-188.0	0.0	0.0	49.0	9.3	-2.5	0.0	0.0	25.1	0.0	0.0	-186.6
2416	17641494.62	4751812.82	1.85	2	D	500	71.0	0.0	-14.8	0.0	0.0	57.1	0.4	1.9	0.0	0.0	12.7	0.0	4.0	-19.9
2416	17641494.62	4751812.82	1.85	2	D	1000	84.7	0.0	-14.8	0.0	0.0	57.1	0.7	-1.8	0.0	0.0	19.2	0.0	4.0	-9.3
2416	17641494.62	4751812.82	1.85	2	D	2000	81.8	0.0	-14.8	0.0	0.0	57.1	1.9	-2.4	0.0	0.0	22.6	0.0	4.0	-16.3
2416	17641494.62	4751812.82	1.85	2	D	4000	82.1	0.0	-14.8	0.0	0.0	57.1	6.6	-2.4	0.0	0.0	25.6	0.0	4.0	-23.6
2416	17641494.62	4751812.82	1.85	2	D	8000	82.3	0.0	-14.8	0.0	0.0	57.1	23.5	-2.4	0.0	0.0	27.4	0.0	4.0	-42.1
2416	17641494.62	4751812.82	1.85	2	N	500	71.0	0.0	-188.0	0.0	0.0	57.1	0.4	1.9	0.0	0.0	12.7	0.0	4.0	-193.1
2416	17641494.62	4751812.82	1.85	2	N	1000	84.7	0.0	-188.0	0.0	0.0	57.1	0.7	-1.8	0.0	0.0	19.2	0.0	4.0	-182.5
2416	17641494.62	4751812.82	1.85	2	N	2000	81.8	0.0	-188.0	0.0	0.0	57.1	1.9	-2.4	0.0	0.0	22.6	0.0	4.0	-189.5
2416	17641494.62	4751812.82	1.85	2	N	4000	82.1	0.0	-188.0	0.0	0.0	57.1	6.6	-2.4	0.0	0.0	25.6	0.0	4.0	-196.8
2416	17641494.62	4751812.82	1.85	2	N	8000	82.3	0.0	-188.0	0.0	0.0	57.1	23.5	-2.4	0.0	0.0	27.4	0.0	4.0	-215.3
2416	17641494.62	4751812.82	1.85	2	E	500	71.0	0.0	-188.0	0.0	0.0	57.1	0.4	1.9	0.0	0.0	12.7	0.0	4.0	-193.1
2416	17641494.62	4751812.82	1.85	2	E	1000	84.7	0.0	-188.0	0.0	0.0	57.1	0.7	-1.8	0.0	0.0	19.2	0.0	4.0	-182.5
2416	17641494.62	4751812.82	1.85	2	E	2000	81.8	0.0	-188.0	0.0	0.0	57.1	1.9	-2.4	0.0	0.0	22.6	0.0	4.0	-189.5
2416	17641494.62	4751812.82	1.85	2	E	4000	82.1	0.0	-188.0	0.0	0.0	57.1	6.6	-2.4	0.0	0.0	25.6	0.0	4.0	-196.8
2416	17641494.62	4751812.82	1.85	2	E	8000	82.3	0.0	-188.0	0.0	0.0	57.1	23.5	-2.4	0.0	0.0	27.4	0.0	4.0	-215.3
2418	17641494.62	4751812.82	1.85	1	D	500	71.0	0.0	-14.8	0.0	0.0	56.5	0.4	0.5	0.0	0.0	9.4	0.0	2.0	-12.6

Point Source, ISO 9613, Name: "Impact Gun", ID: "CT_IG2"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahou	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	dB(A)									
2418	17641494.62	4751812.82	1.85	1	D	1000	84.7	0.0	-14.8	0.0	0.0	56.5	0.7	-2.2	0.0	0.0	14.7	0.0	2.0	-1.8
2418	17641494.62	4751812.82	1.85	1	D	2000	81.8	0.0	-14.8	0.0	0.0	56.5	1.8	-2.6	0.0	0.0	17.8	0.0	2.0	-8.5
2418	17641494.62	4751812.82	1.85	1	D	4000	82.1	0.0	-14.8	0.0	0.0	56.5	6.2	-2.6	0.0	0.0	20.6	0.0	2.0	-15.4
2418	17641494.62	4751812.82	1.85	1	D	8000	82.3	0.0	-14.8	0.0	0.0	56.5	22.1	-2.6	0.0	0.0	23.5	0.0	2.0	-34.0
2418	17641494.62	4751812.82	1.85	1	N	500	71.0	0.0	-188.0	0.0	0.0	56.5	0.4	0.5	0.0	0.0	9.4	0.0	2.0	-185.9
2418	17641494.62	4751812.82	1.85	1	N	1000	84.7	0.0	-188.0	0.0	0.0	56.5	0.7	-2.2	0.0	0.0	14.7	0.0	2.0	-175.0
2418	17641494.62	4751812.82	1.85	1	N	2000	81.8	0.0	-188.0	0.0	0.0	56.5	1.8	-2.6	0.0	0.0	17.8	0.0	2.0	-181.8
2418	17641494.62	4751812.82	1.85	1	N	4000	82.1	0.0	-188.0	0.0	0.0	56.5	6.2	-2.6	0.0	0.0	20.6	0.0	2.0	-188.6
2418	17641494.62	4751812.82	1.85	1	N	8000	82.3	0.0	-188.0	0.0	0.0	56.5	22.1	-2.6	0.0	0.0	23.5	0.0	2.0	-207.2
2418	17641494.62	4751812.82	1.85	1	E	500	71.0	0.0	-188.0	0.0	0.0	56.5	0.4	0.5	0.0	0.0	9.4	0.0	2.0	-185.9
2418	17641494.62	4751812.82	1.85	1	E	1000	84.7	0.0	-188.0	0.0	0.0	56.5	0.7	-2.2	0.0	0.0	14.7	0.0	2.0	-175.0
2418	17641494.62	4751812.82	1.85	1	E	2000	81.8	0.0	-188.0	0.0	0.0	56.5	1.8	-2.6	0.0	0.0	17.8	0.0	2.0	-181.8
2418	17641494.62	4751812.82	1.85	1	E	4000	82.1	0.0	-188.0	0.0	0.0	56.5	6.2	-2.6	0.0	0.0	20.6	0.0	2.0	-188.6
2418	17641494.62	4751812.82	1.85	1	E	8000	82.3	0.0	-188.0	0.0	0.0	56.5	22.1	-2.6	0.0	0.0	23.5	0.0	2.0	-207.2
2420	17641494.62	4751812.82	1.85	2	D	4000	82.1	0.0	-14.8	0.0	0.0	56.6	6.3	-2.9	0.0	0.0	27.9	0.0	4.0	-24.6
2420	17641494.62	4751812.82	1.85	2	D	8000	82.3	0.0	-14.8	0.0	0.0	56.6	22.4	-2.9	0.0	0.0	27.9	0.0	4.0	-40.5
2420	17641494.62	4751812.82	1.85	2	N	4000	82.1	0.0	-188.0	0.0	0.0	56.6	6.3	-2.9	0.0	0.0	27.9	0.0	4.0	-197.8
2420	17641494.62	4751812.82	1.85	2	N	8000	82.3	0.0	-188.0	0.0	0.0	56.6	22.4	-2.9	0.0	0.0	27.9	0.0	4.0	-213.7
2420	17641494.62	4751812.82	1.85	2	E	4000	82.1	0.0	-188.0	0.0	0.0	56.6	6.3	-2.9	0.0	0.0	27.9	0.0	4.0	-197.8
2420	17641494.62	4751812.82	1.85	2	E	8000	82.3	0.0	-188.0	0.0	0.0	56.6	22.4	-2.9	0.0	0.0	27.9	0.0	4.0	-213.7

Point Source, ISO 9613, Name: "Impact Gun", ID: "CT_IG1"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahou	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	dB(A)									
2423	17641490.84	4751812.71	1.85	0	D	32	35.4	0.0	-14.8	0.0	0.0	49.1	0.0	-3.0	0.0	0.0	4.3	0.0	0.0	-29.8
2423	17641490.84	4751812.71	1.85	0	D	63	44.0	0.0	-14.8	0.0	0.0	49.1	0.0	-3.0	0.0	0.0	6.3	0.0	0.0	-23.3
2423	17641490.84	4751812.71	1.85	0	D	125	51.1	0.0	-14.8	0.0	0.0	49.1	0.0	-2.3	0.0	0.0	9.2	0.0	0.0	-19.7
2423	17641490.84	4751812.71	1.85	0	D	250	60.2	0.0	-14.8	0.0	0.0	49.1	0.1	-0.8	0.0	0.0	12.5	0.0	0.0	-15.4
2423	17641490.84	4751812.71	1.85	0	D	500	71.0	0.0	-14.8	0.0	0.0	49.1	0.2	-1.4	0.0	0.0	16.0	0.0	0.0	-7.7
2423	17641490.84	4751812.71	1.85	0	D	1000	84.7	0.0	-14.8	0.0	0.0	49.1	0.3	-2.4	0.0	0.0	19.3	0.0	0.0	3.6
2423	17641490.84	4751812.71	1.85	0	D	2000	81.8	0.0	-14.8	0.0	0.0	49.1	0.8	-2.5	0.0	0.0	21.9	0.0	0.0	-2.2
2423	17641490.84	4751812.71	1.85	0	D	4000	82.1	0.0	-14.8	0.0	0.0	49.1	2.6	-2.5	0.0	0.0	23.8	0.0	0.0	-5.7
2423	17641490.84	4751812.71	1.85	0	D	8000	82.3	0.0	-14.8	0.0	0.0	49.1	9.4	-2.5	0.0	0.0	25.3	0.0	0.0	-13.7
2423	17641490.84	4751812.71	1.85	0	N	32	35.4	0.0	-188.0	0.0	0.0	49.1	0.0	-3.0	0.0	0.0	4.3	0.0	0.0	-203.0
2423	17641490.84	4751812.71	1.85	0	N	63	44.0	0.0	-188.0	0.0	0.0	49.1	0.0	-3.0	0.0	0.0	6.3	0.0	0.0	-196.5
2423	17641490.84	4751812.71	1.85	0	N	125	51.1	0.0	-188.0	0.0	0.0	49.1	0.0	-2.3	0.0	0.0	9.2	0.0	0.0	-192.9
2423	17641490.84	4751812.71	1.85	0	N	250	60.2	0.0	-188.0	0.0	0.0	49.1	0.1	-0.8	0.0	0.0	12.5	0.0	0.0	-188.7
2423	17641490.84	4751812.71	1.85	0	N	500	71.0	0.0	-188.0	0.0	0.0	49.1	0.2	-1.4	0.0	0.0	16.0	0.0	0.0	-180.9
2423	17641490.84	4751812.71	1.85	0	N	1000	84.7	0.0	-188.0	0.0	0.0	49.1	0.3	-2.4	0.0	0.0	19.3	0.0	0.0	-169.6
2423	17641490.84	4751812.71	1.85	0	N	2000	81.8	0.0	-188.0	0.0	0.0	49.1	0.8	-2.5	0.0	0.0	21.9	0.0	0.0	-175.4
2423	17641490.84	4751812.71	1.85	0	N	4000	82.1	0.0	-188.0	0.0	0.0	49.1	2.6	-2.5	0.0	0.0	23.8	0.0	0.0	-178.9
2423	17641490.84	4751812.71	1.85	0	N	8000	82.3	0.0	-188.0	0.0	0.0	49.1	9.4	-2.5	0.0	0.0	25.3	0.0	0.0	-187.0
2423	17641490.84	4751812.71	1.85	0	E	32	35.4	0.0	-188.0	0.0	0.0	49.1	0.0	-3.0	0.0	0.0	4.3	0.0	0.0	-203.0
2423	17641490.84	4751812.71	1.85	0	E	63	44.0	0.0	-188.0	0.0	0.0	49.1	0.0	-3.0	0.0	0.0	6.3	0.0	0.0	-196.5
2423	17641490.84	4751812.71	1.85	0	E	125	51.1	0.0	-188.0	0.0	0.0	49.1	0.0	-2.3	0.0	0.0	9.2	0.0	0.0	-192.9
2423	17641490.84	4751812.71	1.85	0	E	250	60.2	0.0	-188.0	0.0	0.0	49.1	0.1	-0.8	0.0	0.0	12.5	0.0	0.0	-188.7
2423	17641490.84	4751812.71	1.85	0	E	500	71.0	0.0	-188.0	0.0	0.0	49.1	0.2	-1.4	0.0	0.0	16.0	0.0	0.0	-180.9
2423	17641490.84	4751812.71	1.85	0	E	1000	84.7	0.0	-188.0	0.0	0.0	49.1	0.3	-2.4	0.0	0.0	19.3	0.0	0.0	-169.6
2423	17641490.84	4751812.71	1.85	0	E	2000	81.8	0.0	-188.0	0.0	0.0	49.1	0.8	-2.5	0.0	0.0	21.9	0.0	0.0	-175.4
2423	17641490.84	4751812.71	1.85	0	E	4000	82.1	0.0	-188.0	0.0	0.0	49.1	2.6	-2.5	0.0	0.0	23.8	0.0	0.0	-178.9
2423	17641490.84	4751812.71	1.85	0	E	8000	82.3	0.0	-188.0	0.0	0.0	49.1	9.4	-2.5	0.0	0.0	25.3	0.0	0.0	-187.0
2426	17641490.84	4751812.71	1.85	2	D	500	71.0	0.0	-14.8	0.0	0.0	51.5	0.2	1.3	0.0	0.0	13.8	0.0	4.0	-14.6
2426	17641490.84	4751812.71	1.85	2	D	1000	84.7	0.0	-14.8	0.0	0.0	51.5	0.4	-1.5	0.0	0.0	19.7	0.0	4.0	-4.1
2426	17641490.84	4751812.71	1.85	2	D	2000	81.8	0.0	-14.8	0.0	0.0	51.5	1.0	-2.0	0.0	0.0	23.1	0.0	4.0	-10.7
2426	17641490.84	4751812.71	1.85	2	D	4000	82.1	0.0	-14.8	0.0	0.0	51.5	3.5	-2.0	0.0	0.0	26.1	0.0	4.0	-15.8
2426	17641490.84	4751812.71	1.85	2	D	8000	82.3	0.0	-14.8	0.0	0.0	51.5	12.4	-2.0	0.0	0.0	27.0	0.0	4.0	-25.4
2426	17641490.84	4751812.71	1.85	2	N	500	71.0	0.0	-188.0	0.0	0.0	51.5	0.2	1.3	0.0	0.0	13.8	0.0	4.0	-187.8
2426	17641490.84	4751812.71	1.85	2	N	1000	84.7	0.0	-188.0	0.0	0.0	51.5	0.4	-1.5	0.0	0.0	19.7	0.0	4.0	-177.3
2426	17641490.84	4751812.71	1.85	2	N	2000	81.8	0.0	-188.0	0.0	0.0	51.5	1.0	-2.0	0.0	0.0	23.1	0.0	4.0	-183.9
2426	17641490.84	4751812.71	1.85	2	N	4000	82.1	0.0	-188.0	0.0	0.0	51.5	3.5	-2.0	0.0	0.0	26.1	0.0	4.0	-189.0
2426	17641490.84	4751812.71	1.85	2	N	8000	82.3	0.0	-188.0	0.0	0.0	51.5	12.4	-2.0	0.0	0.0	27.0	0.0	4.0	-198.6
2426	17641490.84	4751812.71	1.85	2	E	500	71.0	0.0	-188.0	0.0	0.0	51.5	0.2	1.3	0.0	0.0	13.8	0.0	4.0	-187.8
2426	17641490.84	4751812.71	1.85	2	E	1000	84.7	0.0	-188.0	0.0	0.0	51.5	0.4	-1.5	0.0	0.0	19.7	0.0	4.0	-177.3

Point Source, ISO 9613, Name: "Impact Gun", ID: "CT_IG1"																				
Nr.	X	Y	Z	Ref.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	dB(A)						
2426	17641490.84	4751812.71	1.85	2	E	2000	81.8	0.0	-188.0	0.0	0.0	51.5	1.0	-2.0	0.0	0.0	23.1	0.0	4.0	-183.9
2426	17641490.84	4751812.71	1.85	2	E	4000	82.1	0.0	-188.0	0.0	0.0	51.5	3.5	-2.0	0.0	0.0	26.1	0.0	4.0	-189.0
2426	17641490.84	4751812.71	1.85	2	E	8000	82.3	0.0	-188.0	0.0	0.0	51.5	12.4	-2.0	0.0	0.0	27.0	0.0	4.0	-198.6
2428	17641490.84	4751812.71	1.85	2	D	500	71.0	0.0	-14.8	0.0	0.0	57.1	0.4	0.4	0.0	0.0	15.7	0.0	4.0	-21.4
2428	17641490.84	4751812.71	1.85	2	D	1000	84.7	0.0	-14.8	0.0	0.0	57.1	0.7	-2.4	0.0	0.0	21.4	0.0	4.0	-10.8
2428	17641490.84	4751812.71	1.85	2	D	2000	81.8	0.0	-14.8	0.0	0.0	57.1	1.9	-2.9	0.0	0.0	24.7	0.0	4.0	-17.9
2428	17641490.84	4751812.71	1.85	2	D	4000	82.1	0.0	-14.8	0.0	0.0	57.1	6.6	-2.9	0.0	0.0	27.7	0.0	4.0	-25.2
2428	17641490.84	4751812.71	1.85	2	D	8000	82.3	0.0	-14.8	0.0	0.0	57.1	23.6	-2.9	0.0	0.0	27.9	0.0	4.0	-42.1
2428	17641490.84	4751812.71	1.85	2	N	500	71.0	0.0	-188.0	0.0	0.0	57.1	0.4	0.4	0.0	0.0	15.7	0.0	4.0	-194.6
2428	17641490.84	4751812.71	1.85	2	N	1000	84.7	0.0	-188.0	0.0	0.0	57.1	0.7	-2.4	0.0	0.0	21.4	0.0	4.0	-184.0
2428	17641490.84	4751812.71	1.85	2	N	2000	81.8	0.0	-188.0	0.0	0.0	57.1	1.9	-2.9	0.0	0.0	24.7	0.0	4.0	-191.1
2428	17641490.84	4751812.71	1.85	2	N	4000	82.1	0.0	-188.0	0.0	0.0	57.1	6.6	-2.9	0.0	0.0	27.7	0.0	4.0	-198.4
2428	17641490.84	4751812.71	1.85	2	N	8000	82.3	0.0	-188.0	0.0	0.0	57.1	23.6	-2.9	0.0	0.0	27.9	0.0	4.0	-215.3
2428	17641490.84	4751812.71	1.85	2	E	500	71.0	0.0	-188.0	0.0	0.0	57.1	0.4	0.4	0.0	0.0	15.7	0.0	4.0	-194.6
2428	17641490.84	4751812.71	1.85	2	E	1000	84.7	0.0	-188.0	0.0	0.0	57.1	0.7	-2.4	0.0	0.0	21.4	0.0	4.0	-184.0
2428	17641490.84	4751812.71	1.85	2	E	2000	81.8	0.0	-188.0	0.0	0.0	57.1	1.9	-2.9	0.0	0.0	24.7	0.0	4.0	-191.1
2428	17641490.84	4751812.71	1.85	2	E	4000	82.1	0.0	-188.0	0.0	0.0	57.1	6.6	-2.9	0.0	0.0	27.7	0.0	4.0	-198.4
2428	17641490.84	4751812.71	1.85	2	E	8000	82.3	0.0	-188.0	0.0	0.0	57.1	23.6	-2.9	0.0	0.0	27.9	0.0	4.0	-215.3
2430	17641490.84	4751812.71	1.85	1	D	500	71.0	0.0	-14.8	0.0	0.0	56.5	0.4	0.3	0.0	0.0	11.4	0.0	2.0	-14.4
2430	17641490.84	4751812.71	1.85	1	D	1000	84.7	0.0	-14.8	0.0	0.0	56.5	0.7	-2.4	0.0	0.0	16.7	0.0	2.0	-3.6
2430	17641490.84	4751812.71	1.85	1	D	2000	81.8	0.0	-14.8	0.0	0.0	56.5	1.8	-2.8	0.0	0.0	19.9	0.0	2.0	-10.5
2430	17641490.84	4751812.71	1.85	1	D	4000	82.1	0.0	-14.8	0.0	0.0	56.5	6.2	-2.8	0.0	0.0	22.8	0.0	2.0	-17.4
2430	17641490.84	4751812.71	1.85	1	D	8000	82.3	0.0	-14.8	0.0	0.0	56.5	22.1	-2.8	0.0	0.0	25.7	0.0	2.0	-36.0
2430	17641490.84	4751812.71	1.85	1	N	500	71.0	0.0	-188.0	0.0	0.0	56.5	0.4	0.3	0.0	0.0	11.4	0.0	2.0	-187.7
2430	17641490.84	4751812.71	1.85	1	N	1000	84.7	0.0	-188.0	0.0	0.0	56.5	0.7	-2.4	0.0	0.0	16.7	0.0	2.0	-176.8
2430	17641490.84	4751812.71	1.85	1	N	2000	81.8	0.0	-188.0	0.0	0.0	56.5	1.8	-2.8	0.0	0.0	19.9	0.0	2.0	-183.7
2430	17641490.84	4751812.71	1.85	1	N	4000	82.1	0.0	-188.0	0.0	0.0	56.5	6.2	-2.8	0.0	0.0	22.8	0.0	2.0	-190.6
2430	17641490.84	4751812.71	1.85	1	N	8000	82.3	0.0	-188.0	0.0	0.0	56.5	22.1	-2.8	0.0	0.0	25.7	0.0	2.0	-209.3
2430	17641490.84	4751812.71	1.85	1	E	500	71.0	0.0	-188.0	0.0	0.0	56.5	0.4	0.3	0.0	0.0	11.4	0.0	2.0	-187.7
2430	17641490.84	4751812.71	1.85	1	E	1000	84.7	0.0	-188.0	0.0	0.0	56.5	0.7	-2.4	0.0	0.0	16.7	0.0	2.0	-176.8
2430	17641490.84	4751812.71	1.85	1	E	2000	81.8	0.0	-188.0	0.0	0.0	56.5	1.8	-2.8	0.0	0.0	19.9	0.0	2.0	-183.7
2430	17641490.84	4751812.71	1.85	1	E	4000	82.1	0.0	-188.0	0.0	0.0	56.5	6.2	-2.8	0.0	0.0	22.8	0.0	2.0	-190.6
2430	17641490.84	4751812.71	1.85	1	E	8000	82.3	0.0	-188.0	0.0	0.0	56.5	22.1	-2.8	0.0	0.0	25.7	0.0	2.0	-209.3

Point Source, ISO 9613, Name: "Grinder", ID: "CT_GRND5"																				
Nr.	X	Y	Z	Ref.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	dB(A)						
2475	17641505.08	4751813.12	1.85	0	D	32	34.9	0.0	-20.8	0.0	0.0	48.9	0.0	-3.0	0.0	0.0	3.5	0.0	0.0	-35.2
2475	17641505.08	4751813.12	1.85	0	D	63	49.6	0.0	-20.8	0.0	0.0	48.9	0.0	-3.0	0.0	0.0	4.7	0.0	0.0	-21.7
2475	17641505.08	4751813.12	1.85	0	D	125	55.5	0.0	-20.8	0.0	0.0	48.9	0.0	-2.2	0.0	0.0	6.6	0.0	0.0	-18.5
2475	17641505.08	4751813.12	1.85	0	D	250	62.7	0.0	-20.8	0.0	0.0	48.9	0.1	-0.5	0.0	0.0	9.3	0.0	0.0	-15.8
2475	17641505.08	4751813.12	1.85	0	D	500	68.6	0.0	-20.8	0.0	0.0	48.9	0.2	-1.2	0.0	0.0	12.5	0.0	0.0	-12.5
2475	17641505.08	4751813.12	1.85	0	D	1000	89.5	0.0	-20.8	0.0	0.0	48.9	0.3	-2.3	0.0	0.0	15.6	0.0	0.0	6.3
2475	17641505.08	4751813.12	1.85	0	D	2000	82.2	0.0	-20.8	0.0	0.0	48.9	0.8	-2.5	0.0	0.0	18.3	0.0	0.0	-4.0
2475	17641505.08	4751813.12	1.85	0	D	4000	79.2	0.0	-20.8	0.0	0.0	48.9	2.6	-2.5	0.0	0.0	20.8	0.0	0.0	-11.4
2475	17641505.08	4751813.12	1.85	0	D	8000	80.1	0.0	-20.8	0.0	0.0	48.9	9.1	-2.5	0.0	0.0	22.9	0.0	0.0	-19.2
2475	17641505.08	4751813.12	1.85	0	N	32	34.9	0.0	-188.0	0.0	0.0	48.9	0.0	-3.0	0.0	0.0	3.5	0.0	0.0	-202.4
2475	17641505.08	4751813.12	1.85	0	N	63	49.6	0.0	-188.0	0.0	0.0	48.9	0.0	-3.0	0.0	0.0	4.7	0.0	0.0	-188.9
2475	17641505.08	4751813.12	1.85	0	N	125	55.5	0.0	-188.0	0.0	0.0	48.9	0.0	-2.2	0.0	0.0	6.6	0.0	0.0	-185.7
2475	17641505.08	4751813.12	1.85	0	N	250	62.7	0.0	-188.0	0.0	0.0	48.9	0.1	-0.5	0.0	0.0	9.3	0.0	0.0	-183.0
2475	17641505.08	4751813.12	1.85	0	N	500	68.6	0.0	-188.0	0.0	0.0	48.9	0.2	-1.2	0.0	0.0	12.5	0.0	0.0	-179.7
2475	17641505.08	4751813.12	1.85	0	N	1000	89.5	0.0	-188.0	0.0	0.0	48.9	0.3	-2.3	0.0	0.0	15.6	0.0	0.0	-160.9
2475	17641505.08	4751813.12	1.85	0	N	2000	82.2	0.0	-188.0	0.0	0.0	48.9	0.8	-2.5	0.0	0.0	18.3	0.0	0.0	-171.3
2475	17641505.08	4751813.12	1.85	0	N	4000	79.2	0.0	-188.0	0.0	0.0	48.9	2.6	-2.5	0.0	0.0	20.8	0.0	0.0	-178.6
2475	17641505.08	4751813.12	1.85	0	N	8000	80.1	0.0	-188.0	0.0	0.0	48.9	9.1	-2.5	0.0	0.0	22.9	0.0	0.0	-186.4
2475	17641505.08	4751813.12	1.85	0	E	32	34.9	0.0	-188.0	0.0	0.0	48.9	0.0	-3.0	0.0	0.0	3.5	0.0	0.0	-202.4
2475	17641505.08	4751813.12	1.85	0	E	63	49.6	0.0	-188.0	0.0	0.0	48.9	0.0	-3.0	0.0	0.0	4.7	0.0	0.0	-188.9
2475	17641505.08	4751813.12	1.85	0	E	125	55.5	0.0	-188.0	0.0	0.0	48.9	0.0	-2.2	0.0	0.0	6.6	0.0	0.0	-185.7
2475	17641505.08	4751813.12	1.85	0	E	250	62.7	0.0	-188.0	0.0	0.0	48.9	0.1	-0.5	0.0	0.0	9.3	0.0	0.0	-183.0
2475	17641505.08	4751813.12	1.85	0	E	500	68.6	0.0	-188.0	0.0	0.0	48.9	0.2	-1.2	0.0	0.0	12.5	0.0	0.0	-179.7
2475	17641505.08	4751813.12	1.85	0	E	1000	89.5	0.0	-188.0	0.0	0.0	48.9	0.3	-2.3	0.0	0.0	15.6	0.0	0.0	-160.9
2475	17641505.08	4751813.12	1.85	0	E	2000	82.2	0.0	-188.0	0.0	0.0	48.9	0.8	-2.5	0.0	0.0	18.3	0.0	0.0	-171.3
2475	17641505.08	4751813.12	1.85	0	E	4000	79.2	0.0	-188.0	0.0	0.0	48.9	2.6	-2.5	0.0	0.0	20.8	0.0	0.0	-178.6
2475	17641505.08	4751813.12	1.85	0	E	8000	80.1	0.0	-188.0	0.0	0.0	48.9	9.1	-2.5	0.0	0.0	22.9	0.0	0.0	-186.4

Point Source, ISO 9613, Name: "Grinder", ID: "CT_GRND5"																				
Nr.	X	Y	Z	Ref.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)						
2475	17641505.08	4751813.12	1.85	0	E	8000	80.1	0.0	-188.0	0.0	0.0	48.9	9.1	-2.5	0.0	0.0	22.9	0.0	0.0	-186.4
2477	17641505.08	4751813.12	1.85	2	D	1000	89.5	0.0	-20.8	0.0	0.0	56.6	0.7	-3.6	0.0	0.0	27.1	0.0	4.0	-16.2
2477	17641505.08	4751813.12	1.85	2	D	2000	82.2	0.0	-20.8	0.0	0.0	56.6	1.8	-3.8	0.0	0.0	28.8	0.0	4.0	-26.0
2477	17641505.08	4751813.12	1.85	2	D	4000	79.2	0.0	-20.8	0.0	0.0	56.6	6.2	-3.8	0.0	0.0	28.8	0.0	4.0	-33.5
2477	17641505.08	4751813.12	1.85	2	D	8000	80.1	0.0	-20.8	0.0	0.0	56.6	22.2	-3.8	0.0	0.0	28.8	0.0	4.0	-48.5
2477	17641505.08	4751813.12	1.85	2	N	1000	89.5	0.0	-188.0	0.0	0.0	56.6	0.7	-3.6	0.0	0.0	27.1	0.0	4.0	-183.4
2477	17641505.08	4751813.12	1.85	2	N	2000	82.2	0.0	-188.0	0.0	0.0	56.6	1.8	-3.8	0.0	0.0	28.8	0.0	4.0	-193.2
2477	17641505.08	4751813.12	1.85	2	N	4000	79.2	0.0	-188.0	0.0	0.0	56.6	6.2	-3.8	0.0	0.0	28.8	0.0	4.0	-200.7
2477	17641505.08	4751813.12	1.85	2	N	8000	80.1	0.0	-188.0	0.0	0.0	56.6	22.2	-3.8	0.0	0.0	28.8	0.0	4.0	-215.7
2477	17641505.08	4751813.12	1.85	2	E	1000	89.5	0.0	-188.0	0.0	0.0	56.6	0.7	-3.6	0.0	0.0	27.1	0.0	4.0	-183.4
2477	17641505.08	4751813.12	1.85	2	E	2000	82.2	0.0	-188.0	0.0	0.0	56.6	1.8	-3.8	0.0	0.0	28.8	0.0	4.0	-193.2
2477	17641505.08	4751813.12	1.85	2	E	4000	79.2	0.0	-188.0	0.0	0.0	56.6	6.2	-3.8	0.0	0.0	28.8	0.0	4.0	-200.7
2477	17641505.08	4751813.12	1.85	2	E	8000	80.1	0.0	-188.0	0.0	0.0	56.6	22.2	-3.8	0.0	0.0	28.8	0.0	4.0	-215.7
2479	17641505.08	4751813.12	1.85	2	D	500	68.6	0.0	-20.8	0.0	0.0	57.1	0.4	2.0	0.0	0.0	9.3	0.0	4.0	-24.9
2479	17641505.08	4751813.12	1.85	2	D	1000	89.5	0.0	-20.8	0.0	0.0	57.1	0.7	-1.9	0.0	0.0	15.7	0.0	4.0	-6.9
2479	17641505.08	4751813.12	1.85	2	D	2000	82.2	0.0	-20.8	0.0	0.0	57.1	1.9	-2.5	0.0	0.0	19.1	0.0	4.0	-18.2
2479	17641505.08	4751813.12	1.85	2	D	4000	79.2	0.0	-20.8	0.0	0.0	57.1	6.6	-2.5	0.0	0.0	21.9	0.0	4.0	-28.7
2479	17641505.08	4751813.12	1.85	2	D	8000	80.1	0.0	-20.8	0.0	0.0	57.1	23.5	-2.5	0.0	0.0	24.9	0.0	4.0	-47.6
2479	17641505.08	4751813.12	1.85	2	N	500	68.6	0.0	-188.0	0.0	0.0	57.1	0.4	2.0	0.0	0.0	9.3	0.0	4.0	-192.1
2479	17641505.08	4751813.12	1.85	2	N	1000	89.5	0.0	-188.0	0.0	0.0	57.1	0.7	-1.9	0.0	0.0	15.7	0.0	4.0	-174.1
2479	17641505.08	4751813.12	1.85	2	N	2000	82.2	0.0	-188.0	0.0	0.0	57.1	1.9	-2.5	0.0	0.0	19.1	0.0	4.0	-185.4
2479	17641505.08	4751813.12	1.85	2	N	4000	79.2	0.0	-188.0	0.0	0.0	57.1	6.6	-2.5	0.0	0.0	21.9	0.0	4.0	-195.9
2479	17641505.08	4751813.12	1.85	2	N	8000	80.1	0.0	-188.0	0.0	0.0	57.1	23.5	-2.5	0.0	0.0	24.9	0.0	4.0	-214.8
2479	17641505.08	4751813.12	1.85	2	E	500	68.6	0.0	-188.0	0.0	0.0	57.1	0.4	2.0	0.0	0.0	9.3	0.0	4.0	-192.1
2479	17641505.08	4751813.12	1.85	2	E	1000	89.5	0.0	-188.0	0.0	0.0	57.1	0.7	-1.9	0.0	0.0	15.7	0.0	4.0	-174.1
2479	17641505.08	4751813.12	1.85	2	E	2000	82.2	0.0	-188.0	0.0	0.0	57.1	1.9	-2.5	0.0	0.0	19.1	0.0	4.0	-185.4
2479	17641505.08	4751813.12	1.85	2	E	4000	79.2	0.0	-188.0	0.0	0.0	57.1	6.6	-2.5	0.0	0.0	21.9	0.0	4.0	-195.9
2479	17641505.08	4751813.12	1.85	2	E	8000	80.1	0.0	-188.0	0.0	0.0	57.1	23.5	-2.5	0.0	0.0	24.9	0.0	4.0	-214.8
2480	17641505.08	4751813.12	1.85	1	D	500	68.6	0.0	-20.8	0.0	0.0	56.5	0.4	0.4	0.0	0.0	11.4	0.0	2.0	-22.8
2480	17641505.08	4751813.12	1.85	1	D	1000	89.5	0.0	-20.8	0.0	0.0	56.5	0.7	-2.4	0.0	0.0	16.8	0.0	2.0	-4.9
2480	17641505.08	4751813.12	1.85	1	D	2000	82.2	0.0	-20.8	0.0	0.0	56.5	1.8	-2.8	0.0	0.0	20.0	0.0	2.0	-16.0
2480	17641505.08	4751813.12	1.85	1	D	4000	79.2	0.0	-20.8	0.0	0.0	56.5	6.2	-2.8	0.0	0.0	22.8	0.0	2.0	-26.3
2480	17641505.08	4751813.12	1.85	1	D	8000	80.1	0.0	-20.8	0.0	0.0	56.5	22.0	-2.8	0.0	0.0	25.8	0.0	2.0	-44.2
2480	17641505.08	4751813.12	1.85	1	N	500	68.6	0.0	-188.0	0.0	0.0	56.5	0.4	0.4	0.0	0.0	11.4	0.0	2.0	-190.0
2480	17641505.08	4751813.12	1.85	1	N	1000	89.5	0.0	-188.0	0.0	0.0	56.5	0.7	-2.4	0.0	0.0	16.8	0.0	2.0	-172.1
2480	17641505.08	4751813.12	1.85	1	N	2000	82.2	0.0	-188.0	0.0	0.0	56.5	1.8	-2.8	0.0	0.0	20.0	0.0	2.0	-183.3
2480	17641505.08	4751813.12	1.85	1	N	4000	79.2	0.0	-188.0	0.0	0.0	56.5	6.2	-2.8	0.0	0.0	22.8	0.0	2.0	-193.6
2480	17641505.08	4751813.12	1.85	1	N	8000	80.1	0.0	-188.0	0.0	0.0	56.5	22.0	-2.8	0.0	0.0	25.8	0.0	2.0	-211.4
2480	17641505.08	4751813.12	1.85	1	E	500	68.6	0.0	-188.0	0.0	0.0	56.5	0.4	0.4	0.0	0.0	11.4	0.0	2.0	-190.0
2480	17641505.08	4751813.12	1.85	1	E	1000	89.5	0.0	-188.0	0.0	0.0	56.5	0.7	-2.4	0.0	0.0	16.8	0.0	2.0	-172.1
2480	17641505.08	4751813.12	1.85	1	E	2000	82.2	0.0	-188.0	0.0	0.0	56.5	1.8	-2.8	0.0	0.0	20.0	0.0	2.0	-183.3
2480	17641505.08	4751813.12	1.85	1	E	4000	79.2	0.0	-188.0	0.0	0.0	56.5	6.2	-2.8	0.0	0.0	22.8	0.0	2.0	-193.6
2480	17641505.08	4751813.12	1.85	1	E	8000	80.1	0.0	-188.0	0.0	0.0	56.5	22.0	-2.8	0.0	0.0	25.8	0.0	2.0	-211.4

Point Source, ISO 9613, Name: "Grinder", ID: "CT_GRND4"																				
Nr.	X	Y	Z	Ref.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)						
2483	17641501.41	4751813.01	1.85	0	D	32	34.9	0.0	-20.8	0.0	0.0	48.9	0.0	-3.0	0.0	0.0	3.7	0.0	0.0	-35.5
2483	17641501.41	4751813.01	1.85	0	D	63	49.6	0.0	-20.8	0.0	0.0	48.9	0.0	-3.0	0.0	0.0	5.2	0.0	0.0	-22.3
2483	17641501.41	4751813.01	1.85	0	D	125	55.5	0.0	-20.8	0.0	0.0	48.9	0.0	-2.2	0.0	0.0	7.6	0.0	0.0	-19.6
2483	17641501.41	4751813.01	1.85	0	D	250	62.7	0.0	-20.8	0.0	0.0	48.9	0.1	-0.5	0.0	0.0	10.8	0.0	0.0	-17.3
2483	17641501.41	4751813.01	1.85	0	D	500	68.6	0.0	-20.8	0.0	0.0	48.9	0.2	-1.2	0.0	0.0	14.4	0.0	0.0	-14.3
2483	17641501.41	4751813.01	1.85	0	D	1000	89.5	0.0	-20.8	0.0	0.0	48.9	0.3	-2.3	0.0	0.0	17.6	0.0	0.0	4.2
2483	17641501.41	4751813.01	1.85	0	D	2000	82.2	0.0	-20.8	0.0	0.0	48.9	0.8	-2.5	0.0	0.0	20.3	0.0	0.0	-6.1
2483	17641501.41	4751813.01	1.85	0	D	4000	79.2	0.0	-20.8	0.0	0.0	48.9	2.6	-2.5	0.0	0.0	22.5	0.0	0.0	-13.2
2483	17641501.41	4751813.01	1.85	0	D	8000	80.1	0.0	-20.8	0.0	0.0	48.9	9.2	-2.5	0.0	0.0	24.3	0.0	0.0	-20.6
2483	17641501.41	4751813.01	1.85	0	N	32	34.9	0.0	-188.0	0.0	0.0	48.9	0.0	-3.0	0.0	0.0	3.7	0.0	0.0	-202.7
2483	17641501.41	4751813.01	1.85	0	N	63	49.6	0.0	-188.0	0.0	0.0	48.9	0.0	-3.0	0.0	0.0	5.2	0.0	0.0	-189.5
2483	17641501.41	4751813.01	1.85	0	N	125	55.5	0.0	-188.0	0.0	0.0	48.9	0.0	-2.2	0.0	0.0	7.6	0.0	0.0	-186.8
2483	17641501.41	4751813.01	1.85	0	N	250	62.7	0.0	-188.0	0.0	0.0	48.9	0.1	-0.5	0.0	0.0	10.8	0.0	0.0	-184.6
2483	17641501.41	4751813.01	1.85	0	N	500	68.6	0.0	-188.0	0.0	0.0	48.9	0.2	-1.2	0.0	0.0	14.4	0.0	0.0	-181.6
2483	17641501.41	4751813.01	1.85	0	N	1000	89.5	0.0	-188.0	0.0	0.0	48.9	0.3	-2.3	0.0	0.0	17.6	0.0	0.0	-163.0
2483	17641501.41	4751813.01	1.85	0	N	2000	82.2	0.0	-188.0	0.0	0.0	48.9	0.8	-2.5	0.0	0.0	20.3	0.0	0.0	-173.3

Point Source, ISO 9613, Name: "Grinder", ID: "CT_GRND4"																				
Nr.	X	Y	Z	Ref.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)						
2483	17641501.41	4751813.01	1.85	0	N	4000	79.2	0.0	-188.0	0.0	0.0	48.9	2.6	-2.5	0.0	0.0	22.5	0.0	0.0	-180.4
2483	17641501.41	4751813.01	1.85	0	N	8000	80.1	0.0	-188.0	0.0	0.0	48.9	9.2	-2.5	0.0	0.0	24.3	0.0	0.0	-187.8
2483	17641501.41	4751813.01	1.85	0	E	32	34.9	0.0	-188.0	0.0	0.0	48.9	0.0	-3.0	0.0	0.0	3.7	0.0	0.0	-202.7
2483	17641501.41	4751813.01	1.85	0	E	63	49.6	0.0	-188.0	0.0	0.0	48.9	0.0	-3.0	0.0	0.0	5.2	0.0	0.0	-189.5
2483	17641501.41	4751813.01	1.85	0	E	125	55.5	0.0	-188.0	0.0	0.0	48.9	0.0	-2.2	0.0	0.0	7.6	0.0	0.0	-186.8
2483	17641501.41	4751813.01	1.85	0	E	250	62.7	0.0	-188.0	0.0	0.0	48.9	0.1	-0.5	0.0	0.0	10.8	0.0	0.0	-184.6
2483	17641501.41	4751813.01	1.85	0	E	500	68.6	0.0	-188.0	0.0	0.0	48.9	0.2	-1.2	0.0	0.0	14.4	0.0	0.0	-181.6
2483	17641501.41	4751813.01	1.85	0	E	1000	89.5	0.0	-188.0	0.0	0.0	48.9	0.3	-2.3	0.0	0.0	17.6	0.0	0.0	-163.0
2483	17641501.41	4751813.01	1.85	0	E	2000	82.2	0.0	-188.0	0.0	0.0	48.9	0.8	-2.5	0.0	0.0	20.3	0.0	0.0	-173.3
2483	17641501.41	4751813.01	1.85	0	E	4000	79.2	0.0	-188.0	0.0	0.0	48.9	2.6	-2.5	0.0	0.0	22.5	0.0	0.0	-180.4
2483	17641501.41	4751813.01	1.85	0	E	8000	80.1	0.0	-188.0	0.0	0.0	48.9	9.2	-2.5	0.0	0.0	24.3	0.0	0.0	-187.8
2484	17641501.41	4751813.01	1.85	2	D	1000	89.5	0.0	-20.8	0.0	0.0	56.6	0.7	-3.6	0.0	0.0	27.1	0.0	4.0	-16.2
2484	17641501.41	4751813.01	1.85	2	D	2000	82.2	0.0	-20.8	0.0	0.0	56.6	1.8	-3.8	0.0	0.0	28.8	0.0	4.0	-26.0
2484	17641501.41	4751813.01	1.85	2	D	4000	79.2	0.0	-20.8	0.0	0.0	56.6	6.2	-3.8	0.0	0.0	28.8	0.0	4.0	-33.5
2484	17641501.41	4751813.01	1.85	2	D	8000	80.1	0.0	-20.8	0.0	0.0	56.6	22.2	-3.8	0.0	0.0	28.8	0.0	4.0	-48.5
2484	17641501.41	4751813.01	1.85	2	N	1000	89.5	0.0	-188.0	0.0	0.0	56.6	0.7	-3.6	0.0	0.0	27.1	0.0	4.0	-183.4
2484	17641501.41	4751813.01	1.85	2	N	2000	82.2	0.0	-188.0	0.0	0.0	56.6	1.8	-3.8	0.0	0.0	28.8	0.0	4.0	-193.2
2484	17641501.41	4751813.01	1.85	2	N	4000	79.2	0.0	-188.0	0.0	0.0	56.6	6.2	-3.8	0.0	0.0	28.8	0.0	4.0	-200.7
2484	17641501.41	4751813.01	1.85	2	N	8000	80.1	0.0	-188.0	0.0	0.0	56.6	22.2	-3.8	0.0	0.0	28.8	0.0	4.0	-215.7
2484	17641501.41	4751813.01	1.85	2	E	1000	89.5	0.0	-188.0	0.0	0.0	56.6	0.7	-3.6	0.0	0.0	27.1	0.0	4.0	-183.4
2484	17641501.41	4751813.01	1.85	2	E	2000	82.2	0.0	-188.0	0.0	0.0	56.6	1.8	-3.8	0.0	0.0	28.8	0.0	4.0	-193.2
2484	17641501.41	4751813.01	1.85	2	E	4000	79.2	0.0	-188.0	0.0	0.0	56.6	6.2	-3.8	0.0	0.0	28.8	0.0	4.0	-200.7
2484	17641501.41	4751813.01	1.85	2	E	8000	80.1	0.0	-188.0	0.0	0.0	56.6	22.2	-3.8	0.0	0.0	28.8	0.0	4.0	-215.7
2487	17641501.41	4751813.01	1.85	2	D	500	68.6	0.0	-20.8	0.0	0.0	57.1	0.4	1.8	0.0	0.0	9.5	0.0	4.0	-24.9
2487	17641501.41	4751813.01	1.85	2	D	1000	89.5	0.0	-20.8	0.0	0.0	57.1	0.7	-2.0	0.0	0.0	15.8	0.0	4.0	-6.9
2487	17641501.41	4751813.01	1.85	2	D	2000	82.2	0.0	-20.8	0.0	0.0	57.1	1.9	-2.6	0.0	0.0	19.1	0.0	4.0	-18.2
2487	17641501.41	4751813.01	1.85	2	D	4000	79.2	0.0	-20.8	0.0	0.0	57.1	6.6	-2.6	0.0	0.0	22.0	0.0	4.0	-28.7
2487	17641501.41	4751813.01	1.85	2	D	8000	80.1	0.0	-20.8	0.0	0.0	57.1	23.5	-2.6	0.0	0.0	24.9	0.0	4.0	-47.6
2487	17641501.41	4751813.01	1.85	2	N	500	68.6	0.0	-188.0	0.0	0.0	57.1	0.4	1.8	0.0	0.0	9.5	0.0	4.0	-192.1
2487	17641501.41	4751813.01	1.85	2	N	1000	89.5	0.0	-188.0	0.0	0.0	57.1	0.7	-2.0	0.0	0.0	15.8	0.0	4.0	-174.1
2487	17641501.41	4751813.01	1.85	2	N	2000	82.2	0.0	-188.0	0.0	0.0	57.1	1.9	-2.6	0.0	0.0	19.1	0.0	4.0	-185.4
2487	17641501.41	4751813.01	1.85	2	N	4000	79.2	0.0	-188.0	0.0	0.0	57.1	6.6	-2.6	0.0	0.0	22.0	0.0	4.0	-195.9
2487	17641501.41	4751813.01	1.85	2	N	8000	80.1	0.0	-188.0	0.0	0.0	57.1	23.5	-2.6	0.0	0.0	24.9	0.0	4.0	-214.8
2487	17641501.41	4751813.01	1.85	2	E	500	68.6	0.0	-188.0	0.0	0.0	57.1	0.4	1.8	0.0	0.0	9.5	0.0	4.0	-192.1
2487	17641501.41	4751813.01	1.85	2	E	1000	89.5	0.0	-188.0	0.0	0.0	57.1	0.7	-2.0	0.0	0.0	15.8	0.0	4.0	-174.1
2487	17641501.41	4751813.01	1.85	2	E	2000	82.2	0.0	-188.0	0.0	0.0	57.1	1.9	-2.6	0.0	0.0	19.1	0.0	4.0	-185.4
2487	17641501.41	4751813.01	1.85	2	E	4000	79.2	0.0	-188.0	0.0	0.0	57.1	6.6	-2.6	0.0	0.0	22.0	0.0	4.0	-195.9
2487	17641501.41	4751813.01	1.85	2	E	8000	80.1	0.0	-188.0	0.0	0.0	57.1	23.5	-2.6	0.0	0.0	24.9	0.0	4.0	-214.8
2488	17641501.41	4751813.01	1.85	1	D	500	68.6	0.0	-20.8	0.0	0.0	56.5	0.4	0.4	0.0	0.0	11.4	0.0	2.0	-22.8
2488	17641501.41	4751813.01	1.85	1	D	1000	89.5	0.0	-20.8	0.0	0.0	56.5	0.7	-2.4	0.0	0.0	16.7	0.0	2.0	-4.9
2488	17641501.41	4751813.01	1.85	1	D	2000	82.2	0.0	-20.8	0.0	0.0	56.5	1.8	-2.8	0.0	0.0	19.9	0.0	2.0	-16.0
2488	17641501.41	4751813.01	1.85	1	D	4000	79.2	0.0	-20.8	0.0	0.0	56.5	6.2	-2.8	0.0	0.0	22.8	0.0	2.0	-26.3
2488	17641501.41	4751813.01	1.85	1	D	8000	80.1	0.0	-20.8	0.0	0.0	56.5	22.0	-2.8	0.0	0.0	25.7	0.0	2.0	-44.2
2488	17641501.41	4751813.01	1.85	1	N	500	68.6	0.0	-188.0	0.0	0.0	56.5	0.4	0.4	0.0	0.0	11.4	0.0	2.0	-190.0
2488	17641501.41	4751813.01	1.85	1	N	1000	89.5	0.0	-188.0	0.0	0.0	56.5	0.7	-2.4	0.0	0.0	16.7	0.0	2.0	-172.1
2488	17641501.41	4751813.01	1.85	1	N	2000	82.2	0.0	-188.0	0.0	0.0	56.5	1.8	-2.8	0.0	0.0	19.9	0.0	2.0	-183.3
2488	17641501.41	4751813.01	1.85	1	N	4000	79.2	0.0	-188.0	0.0	0.0	56.5	6.2	-2.8	0.0	0.0	22.8	0.0	2.0	-193.6
2488	17641501.41	4751813.01	1.85	1	N	8000	80.1	0.0	-188.0	0.0	0.0	56.5	22.0	-2.8	0.0	0.0	25.7	0.0	2.0	-211.4
2488	17641501.41	4751813.01	1.85	1	E	500	68.6	0.0	-188.0	0.0	0.0	56.5	0.4	0.4	0.0	0.0	11.4	0.0	2.0	-190.0
2488	17641501.41	4751813.01	1.85	1	E	1000	89.5	0.0	-188.0	0.0	0.0	56.5	0.7	-2.4	0.0	0.0	16.7	0.0	2.0	-172.1
2488	17641501.41	4751813.01	1.85	1	E	2000	82.2	0.0	-188.0	0.0	0.0	56.5	1.8	-2.8	0.0	0.0	19.9	0.0	2.0	-183.3
2488	17641501.41	4751813.01	1.85	1	E	4000	79.2	0.0	-188.0	0.0	0.0	56.5	6.2	-2.8	0.0	0.0	22.8	0.0	2.0	-193.6
2488	17641501.41	4751813.01	1.85	1	E	8000	80.1	0.0	-188.0	0.0	0.0	56.5	22.0	-2.8	0.0	0.0	25.7	0.0	2.0	-211.4

Point Source, ISO 9613, Name: "Grinder", ID: "CT_GRND3"																				
Nr.	X	Y	Z	Ref.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)						
2490	17641497.85	4751812.91	1.85	0	D	32	34.9	0.0	-20.8	0.0	0.0	49.0	0.0	-3.0	0.0	0.0	3.8	0.0	0.0	-35.7
2490	17641497.85	4751812.91	1.85	0	D	63	49.6	0.0	-20.8	0.0	0.0	49.0	0.0	-3.0	0.0	0.0	5.6	0.0	0.0	-22.7
2490	17641497.85	4751812.91	1.85	0	D	125	55.5	0.0	-20.8	0.0	0.0	49.0	0.0	-2.3	0.0	0.0	8.2	0.0	0.0	-20.2
2490	17641497.85	4751812.91	1.85	0	D	250	62.7	0.0	-20.8	0.0	0.0	49.0	0.1	-0.7	0.0	0.0	11.4	0.0	0.0	-17.9
2490	17641497.85	4751812.91	1.85	0	D	500	68.6	0.0	-20.8	0.0	0.0	49.0	0.2	-1.3	0.0	0.0	14.9	0.0	0.0	-14.9
2490	17641497.85	4751812.91	1.85	0	D	1000	89.5	0.0	-20.8	0.0	0.0	49.0	0.3	-2.4	0.0	0.0	18.2	0.0	0.0	3.6

Point Source, ISO 9613, Name: "Grinder", ID: "CT_GRND3"																				
Nr.	X	Y	Z	Ref.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	dB(A)						
2490	17641497.85	4751812.91	1.85	0	D	2000	82.2	0.0	-20.8	0.0	0.0	49.0	0.8	-2.5	0.0	0.0	20.9	0.0	0.0	-6.7
2490	17641497.85	4751812.91	1.85	0	D	4000	79.2	0.0	-20.8	0.0	0.0	49.0	2.6	-2.5	0.0	0.0	23.0	0.0	0.0	-13.7
2490	17641497.85	4751812.91	1.85	0	D	8000	80.1	0.0	-20.8	0.0	0.0	49.0	9.2	-2.5	0.0	0.0	24.7	0.0	0.0	-21.1
2490	17641497.85	4751812.91	1.85	0	N	32	34.9	0.0	-188.0	0.0	0.0	49.0	0.0	-3.0	0.0	0.0	3.8	0.0	0.0	-202.9
2490	17641497.85	4751812.91	1.85	0	N	63	49.6	0.0	-188.0	0.0	0.0	49.0	0.0	-3.0	0.0	0.0	5.6	0.0	0.0	-189.9
2490	17641497.85	4751812.91	1.85	0	N	125	55.5	0.0	-188.0	0.0	0.0	49.0	0.0	-2.3	0.0	0.0	8.2	0.0	0.0	-187.4
2490	17641497.85	4751812.91	1.85	0	N	250	62.7	0.0	-188.0	0.0	0.0	49.0	0.1	-0.7	0.0	0.0	11.4	0.0	0.0	-185.1
2490	17641497.85	4751812.91	1.85	0	N	500	68.6	0.0	-188.0	0.0	0.0	49.0	0.2	-1.3	0.0	0.0	14.9	0.0	0.0	-182.1
2490	17641497.85	4751812.91	1.85	0	N	1000	89.5	0.0	-188.0	0.0	0.0	49.0	0.3	-2.4	0.0	0.0	18.2	0.0	0.0	-163.6
2490	17641497.85	4751812.91	1.85	0	N	2000	82.2	0.0	-188.0	0.0	0.0	49.0	0.8	-2.5	0.0	0.0	20.9	0.0	0.0	-173.9
2490	17641497.85	4751812.91	1.85	0	N	4000	79.2	0.0	-188.0	0.0	0.0	49.0	2.6	-2.5	0.0	0.0	23.0	0.0	0.0	-180.9
2490	17641497.85	4751812.91	1.85	0	N	8000	80.1	0.0	-188.0	0.0	0.0	49.0	9.2	-2.5	0.0	0.0	24.7	0.0	0.0	-188.3
2490	17641497.85	4751812.91	1.85	0	E	32	34.9	0.0	-188.0	0.0	0.0	49.0	0.0	-3.0	0.0	0.0	3.8	0.0	0.0	-202.9
2490	17641497.85	4751812.91	1.85	0	E	63	49.6	0.0	-188.0	0.0	0.0	49.0	0.0	-3.0	0.0	0.0	5.6	0.0	0.0	-189.9
2490	17641497.85	4751812.91	1.85	0	E	125	55.5	0.0	-188.0	0.0	0.0	49.0	0.0	-2.3	0.0	0.0	8.2	0.0	0.0	-187.4
2490	17641497.85	4751812.91	1.85	0	E	250	62.7	0.0	-188.0	0.0	0.0	49.0	0.1	-0.7	0.0	0.0	11.4	0.0	0.0	-185.1
2490	17641497.85	4751812.91	1.85	0	E	500	68.6	0.0	-188.0	0.0	0.0	49.0	0.2	-1.3	0.0	0.0	14.9	0.0	0.0	-182.1
2490	17641497.85	4751812.91	1.85	0	E	1000	89.5	0.0	-188.0	0.0	0.0	49.0	0.3	-2.4	0.0	0.0	18.2	0.0	0.0	-163.6
2490	17641497.85	4751812.91	1.85	0	E	2000	82.2	0.0	-188.0	0.0	0.0	49.0	0.8	-2.5	0.0	0.0	20.9	0.0	0.0	-173.9
2490	17641497.85	4751812.91	1.85	0	E	4000	79.2	0.0	-188.0	0.0	0.0	49.0	2.6	-2.5	0.0	0.0	23.0	0.0	0.0	-180.9
2490	17641497.85	4751812.91	1.85	0	E	8000	80.1	0.0	-188.0	0.0	0.0	49.0	9.2	-2.5	0.0	0.0	24.7	0.0	0.0	-188.3
2491	17641497.85	4751812.91	1.85	2	D	1000	89.5	0.0	-20.8	0.0	0.0	56.6	0.7	-3.6	0.0	0.0	27.1	0.0	4.0	-16.2
2491	17641497.85	4751812.91	1.85	2	D	2000	82.2	0.0	-20.8	0.0	0.0	56.6	1.8	-3.8	0.0	0.0	28.8	0.0	4.0	-26.0
2491	17641497.85	4751812.91	1.85	2	D	4000	79.2	0.0	-20.8	0.0	0.0	56.6	6.2	-3.8	0.0	0.0	28.8	0.0	4.0	-33.5
2491	17641497.85	4751812.91	1.85	2	D	8000	80.1	0.0	-20.8	0.0	0.0	56.6	22.3	-3.8	0.0	0.0	28.8	0.0	4.0	-48.6
2491	17641497.85	4751812.91	1.85	2	N	1000	89.5	0.0	-188.0	0.0	0.0	56.6	0.7	-3.6	0.0	0.0	27.1	0.0	4.0	-183.4
2491	17641497.85	4751812.91	1.85	2	N	2000	82.2	0.0	-188.0	0.0	0.0	56.6	1.8	-3.8	0.0	0.0	28.8	0.0	4.0	-193.2
2491	17641497.85	4751812.91	1.85	2	N	4000	79.2	0.0	-188.0	0.0	0.0	56.6	6.2	-3.8	0.0	0.0	28.8	0.0	4.0	-200.7
2491	17641497.85	4751812.91	1.85	2	N	8000	80.1	0.0	-188.0	0.0	0.0	56.6	22.3	-3.8	0.0	0.0	28.8	0.0	4.0	-215.8
2491	17641497.85	4751812.91	1.85	2	E	1000	89.5	0.0	-188.0	0.0	0.0	56.6	0.7	-3.6	0.0	0.0	27.1	0.0	4.0	-183.4
2491	17641497.85	4751812.91	1.85	2	E	2000	82.2	0.0	-188.0	0.0	0.0	56.6	1.8	-3.8	0.0	0.0	28.8	0.0	4.0	-193.2
2491	17641497.85	4751812.91	1.85	2	E	4000	79.2	0.0	-188.0	0.0	0.0	56.6	6.2	-3.8	0.0	0.0	28.8	0.0	4.0	-200.7
2491	17641497.85	4751812.91	1.85	2	E	8000	80.1	0.0	-188.0	0.0	0.0	56.6	22.3	-3.8	0.0	0.0	28.8	0.0	4.0	-215.8
2492	17641497.85	4751812.91	1.85	2	D	500	68.6	0.0	-20.8	0.0	0.0	57.1	0.4	1.7	0.0	0.0	9.6	0.0	4.0	-24.9
2492	17641497.85	4751812.91	1.85	2	D	1000	89.5	0.0	-20.8	0.0	0.0	57.1	0.7	-2.0	0.0	0.0	15.8	0.0	4.0	-6.9
2492	17641497.85	4751812.91	1.85	2	D	2000	82.2	0.0	-20.8	0.0	0.0	57.1	1.9	-2.6	0.0	0.0	19.1	0.0	4.0	-18.2
2492	17641497.85	4751812.91	1.85	2	D	4000	79.2	0.0	-20.8	0.0	0.0	57.1	6.6	-2.6	0.0	0.0	22.0	0.0	4.0	-28.7
2492	17641497.85	4751812.91	1.85	2	D	8000	80.1	0.0	-20.8	0.0	0.0	57.1	23.5	-2.6	0.0	0.0	24.9	0.0	4.0	-47.6
2492	17641497.85	4751812.91	1.85	2	N	500	68.6	0.0	-188.0	0.0	0.0	57.1	0.4	1.7	0.0	0.0	9.6	0.0	4.0	-192.1
2492	17641497.85	4751812.91	1.85	2	N	1000	89.5	0.0	-188.0	0.0	0.0	57.1	0.7	-2.0	0.0	0.0	15.8	0.0	4.0	-174.1
2492	17641497.85	4751812.91	1.85	2	N	2000	82.2	0.0	-188.0	0.0	0.0	57.1	1.9	-2.6	0.0	0.0	19.1	0.0	4.0	-185.4
2492	17641497.85	4751812.91	1.85	2	N	4000	79.2	0.0	-188.0	0.0	0.0	57.1	6.6	-2.6	0.0	0.0	22.0	0.0	4.0	-195.9
2492	17641497.85	4751812.91	1.85	2	N	8000	80.1	0.0	-188.0	0.0	0.0	57.1	23.5	-2.6	0.0	0.0	24.9	0.0	4.0	-214.8
2492	17641497.85	4751812.91	1.85	2	E	500	68.6	0.0	-188.0	0.0	0.0	57.1	0.4	1.7	0.0	0.0	9.6	0.0	4.0	-192.1
2492	17641497.85	4751812.91	1.85	2	E	1000	89.5	0.0	-188.0	0.0	0.0	57.1	0.7	-2.0	0.0	0.0	15.8	0.0	4.0	-174.1
2492	17641497.85	4751812.91	1.85	2	E	2000	82.2	0.0	-188.0	0.0	0.0	57.1	1.9	-2.6	0.0	0.0	19.1	0.0	4.0	-185.4
2492	17641497.85	4751812.91	1.85	2	E	4000	79.2	0.0	-188.0	0.0	0.0	57.1	6.6	-2.6	0.0	0.0	22.0	0.0	4.0	-195.9
2492	17641497.85	4751812.91	1.85	2	E	8000	80.1	0.0	-188.0	0.0	0.0	57.1	23.5	-2.6	0.0	0.0	24.9	0.0	4.0	-214.8
2493	17641497.85	4751812.91	1.85	1	D	500	68.6	0.0	-20.8	0.0	0.0	56.5	0.4	0.3	0.0	0.0	11.5	0.0	2.0	-22.8
2493	17641497.85	4751812.91	1.85	1	D	1000	89.5	0.0	-20.8	0.0	0.0	56.5	0.7	-2.4	0.0	0.0	16.8	0.0	2.0	-4.9
2493	17641497.85	4751812.91	1.85	1	D	2000	82.2	0.0	-20.8	0.0	0.0	56.5	1.8	-2.8	0.0	0.0	19.9	0.0	2.0	-16.0
2493	17641497.85	4751812.91	1.85	1	D	4000	79.2	0.0	-20.8	0.0	0.0	56.5	6.2	-2.8	0.0	0.0	22.8	0.0	2.0	-26.4
2493	17641497.85	4751812.91	1.85	1	D	8000	80.1	0.0	-20.8	0.0	0.0	56.5	22.0	-2.8	0.0	0.0	25.8	0.0	2.0	-44.2
2493	17641497.85	4751812.91	1.85	1	N	500	68.6	0.0	-188.0	0.0	0.0	56.5	0.4	0.3	0.0	0.0	11.5	0.0	2.0	-190.0
2493	17641497.85	4751812.91	1.85	1	N	1000	89.5	0.0	-188.0	0.0	0.0	56.5	0.7	-2.4	0.0	0.0	16.8	0.0	2.0	-172.1
2493	17641497.85	4751812.91	1.85	1	N	2000	82.2	0.0	-188.0	0.0	0.0	56.5	1.8	-2.8	0.0	0.0	19.9	0.0	2.0	-183.3
2493	17641497.85	4751812.91	1.85	1	N	4000	79.2	0.0	-188.0	0.0	0.0	56.5	6.2	-2.8	0.0	0.0	22.8	0.0	2.0	-193.6
2493	17641497.85	4751812.91	1.85	1	N	8000	80.1	0.0	-188.0	0.0	0.0	56.5	22.0	-2.8	0.0	0.0	25.8	0.0	2.0	-211.4
2493	17641497.85	4751812.91	1.85	1	E	500	68.6	0.0	-188.0	0.0	0.0	56.5	0.4	0.3	0.0	0.0	11.5	0.0	2.0	-190.0
2493	17641497.85	4751812.91	1.85	1	E	1000	89.5	0.0	-188.0	0.0	0.0	56.5	0.7	-2.4	0.0	0.0	16.8	0.0	2.0	-172.1
2493	17641497.85	4751812.91	1.85	1	E	2000	82.2	0.0	-188.0	0.0	0.0	56.5	1.8	-2.8	0.0	0.0	19.9	0.0	2.0	-183.3
2493	17641497.85	4751812.91	1.85	1	E	4000	79.2	0.0	-188.0	0.0	0.0	56.5	6.2	-2.8	0.0	0.0	22.8	0.0	2.0	-193.6
2493	17641497.85	47																		

Point Source, ISO 9613, Name: "Grinder", ID: "CT_GRND2"																				
Nr.	X	Y	Z	Ref.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	dB(A)						
2494	17641494.62	4751812.82	1.85	0	D	32	34.9	0.0	-20.8	0.0	0.0	49.0	0.0	-3.0	0.0	0.0	4.0	0.0	0.0	-36.0
2494	17641494.62	4751812.82	1.85	0	D	63	49.6	0.0	-20.8	0.0	0.0	49.0	0.0	-3.0	0.0	0.0	6.0	0.0	0.0	-23.2
2494	17641494.62	4751812.82	1.85	0	D	125	55.5	0.0	-20.8	0.0	0.0	49.0	0.0	-2.3	0.0	0.0	8.8	0.0	0.0	-20.8
2494	17641494.62	4751812.82	1.85	0	D	250	62.7	0.0	-20.8	0.0	0.0	49.0	0.1	-0.7	0.0	0.0	12.0	0.0	0.0	-18.5
2494	17641494.62	4751812.82	1.85	0	D	500	68.6	0.0	-20.8	0.0	0.0	49.0	0.2	-1.3	0.0	0.0	15.6	0.0	0.0	-15.6
2494	17641494.62	4751812.82	1.85	0	D	1000	89.5	0.0	-20.8	0.0	0.0	49.0	0.3	-2.4	0.0	0.0	18.9	0.0	0.0	2.8
2494	17641494.62	4751812.82	1.85	0	D	2000	82.2	0.0	-20.8	0.0	0.0	49.0	0.8	-2.5	0.0	0.0	21.5	0.0	0.0	-7.3
2494	17641494.62	4751812.82	1.85	0	D	4000	79.2	0.0	-20.8	0.0	0.0	49.0	2.6	-2.5	0.0	0.0	23.5	0.0	0.0	-14.3
2494	17641494.62	4751812.82	1.85	0	D	8000	80.1	0.0	-20.8	0.0	0.0	49.0	9.3	-2.5	0.0	0.0	25.1	0.0	0.0	-21.6
2494	17641494.62	4751812.82	1.85	0	N	32	34.9	0.0	-188.0	0.0	0.0	49.0	0.0	-3.0	0.0	0.0	4.0	0.0	0.0	-203.2
2494	17641494.62	4751812.82	1.85	0	N	63	49.6	0.0	-188.0	0.0	0.0	49.0	0.0	-3.0	0.0	0.0	6.0	0.0	0.0	-190.4
2494	17641494.62	4751812.82	1.85	0	N	125	55.5	0.0	-188.0	0.0	0.0	49.0	0.0	-2.3	0.0	0.0	8.8	0.0	0.0	-188.0
2494	17641494.62	4751812.82	1.85	0	N	250	62.7	0.0	-188.0	0.0	0.0	49.0	0.1	-0.7	0.0	0.0	12.0	0.0	0.0	-185.7
2494	17641494.62	4751812.82	1.85	0	N	500	68.6	0.0	-188.0	0.0	0.0	49.0	0.2	-1.3	0.0	0.0	15.6	0.0	0.0	-182.8
2494	17641494.62	4751812.82	1.85	0	N	1000	89.5	0.0	-188.0	0.0	0.0	49.0	0.3	-2.4	0.0	0.0	18.9	0.0	0.0	-164.4
2494	17641494.62	4751812.82	1.85	0	N	2000	82.2	0.0	-188.0	0.0	0.0	49.0	0.8	-2.5	0.0	0.0	21.5	0.0	0.0	-174.6
2494	17641494.62	4751812.82	1.85	0	N	4000	79.2	0.0	-188.0	0.0	0.0	49.0	2.6	-2.5	0.0	0.0	23.5	0.0	0.0	-181.5
2494	17641494.62	4751812.82	1.85	0	N	8000	80.1	0.0	-188.0	0.0	0.0	49.0	9.3	-2.5	0.0	0.0	25.1	0.0	0.0	-188.8
2494	17641494.62	4751812.82	1.85	0	E	32	34.9	0.0	-188.0	0.0	0.0	49.0	0.0	-3.0	0.0	0.0	4.0	0.0	0.0	-203.2
2494	17641494.62	4751812.82	1.85	0	E	63	49.6	0.0	-188.0	0.0	0.0	49.0	0.0	-3.0	0.0	0.0	6.0	0.0	0.0	-190.4
2494	17641494.62	4751812.82	1.85	0	E	125	55.5	0.0	-188.0	0.0	0.0	49.0	0.0	-2.3	0.0	0.0	8.8	0.0	0.0	-188.0
2494	17641494.62	4751812.82	1.85	0	E	250	62.7	0.0	-188.0	0.0	0.0	49.0	0.1	-0.7	0.0	0.0	12.0	0.0	0.0	-185.7
2494	17641494.62	4751812.82	1.85	0	E	500	68.6	0.0	-188.0	0.0	0.0	49.0	0.2	-1.3	0.0	0.0	15.6	0.0	0.0	-182.8
2494	17641494.62	4751812.82	1.85	0	E	1000	89.5	0.0	-188.0	0.0	0.0	49.0	0.3	-2.4	0.0	0.0	18.9	0.0	0.0	-164.4
2494	17641494.62	4751812.82	1.85	0	E	2000	82.2	0.0	-188.0	0.0	0.0	49.0	0.8	-2.5	0.0	0.0	21.5	0.0	0.0	-174.6
2494	17641494.62	4751812.82	1.85	0	E	4000	79.2	0.0	-188.0	0.0	0.0	49.0	2.6	-2.5	0.0	0.0	23.5	0.0	0.0	-181.5
2494	17641494.62	4751812.82	1.85	0	E	8000	80.1	0.0	-188.0	0.0	0.0	49.0	9.3	-2.5	0.0	0.0	25.1	0.0	0.0	-188.8
2495	17641494.62	4751812.82	1.85	2	D	500	68.6	0.0	-20.8	0.0	0.0	57.1	0.4	1.9	0.0	0.0	12.7	0.0	4.0	-28.2
2495	17641494.62	4751812.82	1.85	2	D	1000	89.5	0.0	-20.8	0.0	0.0	57.1	0.7	-1.8	0.0	0.0	19.2	0.0	4.0	-10.5
2495	17641494.62	4751812.82	1.85	2	D	2000	82.2	0.0	-20.8	0.0	0.0	57.1	1.9	-2.4	0.0	0.0	22.6	0.0	4.0	-21.9
2495	17641494.62	4751812.82	1.85	2	D	4000	79.2	0.0	-20.8	0.0	0.0	57.1	6.6	-2.4	0.0	0.0	25.6	0.0	4.0	-32.6
2495	17641494.62	4751812.82	1.85	2	D	8000	80.1	0.0	-20.8	0.0	0.0	57.1	23.5	-2.4	0.0	0.0	27.4	0.0	4.0	-50.3
2495	17641494.62	4751812.82	1.85	2	N	500	68.6	0.0	-188.0	0.0	0.0	57.1	0.4	1.9	0.0	0.0	12.7	0.0	4.0	-195.4
2495	17641494.62	4751812.82	1.85	2	N	1000	89.5	0.0	-188.0	0.0	0.0	57.1	0.7	-1.8	0.0	0.0	19.2	0.0	4.0	-177.7
2495	17641494.62	4751812.82	1.85	2	N	2000	82.2	0.0	-188.0	0.0	0.0	57.1	1.9	-2.4	0.0	0.0	22.6	0.0	4.0	-189.1
2495	17641494.62	4751812.82	1.85	2	N	4000	79.2	0.0	-188.0	0.0	0.0	57.1	6.6	-2.4	0.0	0.0	25.6	0.0	4.0	-199.8
2495	17641494.62	4751812.82	1.85	2	N	8000	80.1	0.0	-188.0	0.0	0.0	57.1	23.5	-2.4	0.0	0.0	27.4	0.0	4.0	-217.5
2495	17641494.62	4751812.82	1.85	2	E	500	68.6	0.0	-188.0	0.0	0.0	57.1	0.4	1.9	0.0	0.0	12.7	0.0	4.0	-195.4
2495	17641494.62	4751812.82	1.85	2	E	1000	89.5	0.0	-188.0	0.0	0.0	57.1	0.7	-1.8	0.0	0.0	19.2	0.0	4.0	-177.7
2495	17641494.62	4751812.82	1.85	2	E	2000	82.2	0.0	-188.0	0.0	0.0	57.1	1.9	-2.4	0.0	0.0	22.6	0.0	4.0	-189.1
2495	17641494.62	4751812.82	1.85	2	E	4000	79.2	0.0	-188.0	0.0	0.0	57.1	6.6	-2.4	0.0	0.0	25.6	0.0	4.0	-199.8
2495	17641494.62	4751812.82	1.85	2	E	8000	80.1	0.0	-188.0	0.0	0.0	57.1	23.5	-2.4	0.0	0.0	27.4	0.0	4.0	-217.5
2496	17641494.62	4751812.82	1.85	1	D	500	68.6	0.0	-20.8	0.0	0.0	56.5	0.4	0.5	0.0	0.0	9.4	0.0	2.0	-21.0
2496	17641494.62	4751812.82	1.85	1	D	1000	89.5	0.0	-20.8	0.0	0.0	56.5	0.7	-2.2	0.0	0.0	14.7	0.0	2.0	-3.0
2496	17641494.62	4751812.82	1.85	1	D	2000	82.2	0.0	-20.8	0.0	0.0	56.5	1.8	-2.6	0.0	0.0	17.8	0.0	2.0	-14.1
2496	17641494.62	4751812.82	1.85	1	D	4000	79.2	0.0	-20.8	0.0	0.0	56.5	6.2	-2.6	0.0	0.0	20.6	0.0	2.0	-24.4
2496	17641494.62	4751812.82	1.85	1	D	8000	80.1	0.0	-20.8	0.0	0.0	56.5	22.1	-2.6	0.0	0.0	23.5	0.0	2.0	-42.2
2496	17641494.62	4751812.82	1.85	1	N	500	68.6	0.0	-188.0	0.0	0.0	56.5	0.4	0.5	0.0	0.0	9.4	0.0	2.0	-188.2
2496	17641494.62	4751812.82	1.85	1	N	1000	89.5	0.0	-188.0	0.0	0.0	56.5	0.7	-2.2	0.0	0.0	14.7	0.0	2.0	-170.3
2496	17641494.62	4751812.82	1.85	1	N	2000	82.2	0.0	-188.0	0.0	0.0	56.5	1.8	-2.6	0.0	0.0	17.8	0.0	2.0	-181.4
2496	17641494.62	4751812.82	1.85	1	N	4000	79.2	0.0	-188.0	0.0	0.0	56.5	6.2	-2.6	0.0	0.0	20.6	0.0	2.0	-191.6
2496	17641494.62	4751812.82	1.85	1	N	8000	80.1	0.0	-188.0	0.0	0.0	56.5	22.1	-2.6	0.0	0.0	23.5	0.0	2.0	-209.5
2496	17641494.62	4751812.82	1.85	1	E	500	68.6	0.0	-188.0	0.0	0.0	56.5	0.4	0.5	0.0	0.0	9.4	0.0	2.0	-188.2
2496	17641494.62	4751812.82	1.85	1	E	1000	89.5	0.0	-188.0	0.0	0.0	56.5	0.7	-2.2	0.0	0.0	14.7	0.0	2.0	-170.3
2496	17641494.62	4751812.82	1.85	1	E	2000	82.2	0.0	-188.0	0.0	0.0	56.5	1.8	-2.6	0.0	0.0	17.8	0.0	2.0	-181.4
2496	17641494.62	4751812.82	1.85	1	E	4000	79.2	0.0	-188.0	0.0	0.0	56.5	6.2	-2.6	0.0	0.0	20.6	0.0	2.0	-191.6
2496	17641494.62	4751812.82	1.85	1	E	8000	80.1	0.0	-188.0	0.0	0.0	56.5	22.1	-2.6	0.0	0.0	23.5	0.0	2.0	-209.5
2497	17641494.62	4751812.82	1.85	2	D	4000	79.2	0.0	-20.8	0.0	0.0	56.6	6.3	-2.9	0.0	0.0	27.9	0.0	4.0	-33.6
2497	17641494.62	4751812.82	1.85	2	D	8000	80.1	0.0	-20.8	0.0	0.0	56.6	22.4	-2.9	0.0	0.0	27.9	0.0	4.0	-48.7
2497	17641494.62	4751812.82	1.85	2	N	4000	79.2	0.0	-188.0	0.0	0.0	56.6	6.3	-2.9	0.0	0.0	27.9	0.0	4.0	-200.8
2497	17641494.62	4751812.82	1.85	2	N	8000	80.1	0.0	-188.0	0.0	0.0	56.6	22.4	-2.9	0.0	0.0	27.9	0.0	4.0	-215.9
2497	17641494.62	4751812.82	1.85	2	E	4000	79.2	0.0	-188.0	0.0	0.0	56.6	6.3	-2.9	0.0	0.0	27.9	0.0	4.0	-200.8
2497	17641494.62	4751812.82	1.85	2																

Point Source, ISO 9613, Name: "Grinder", ID: "CT_GRND1"																				
Nr.	X	Y	Z	Ref.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB(A))						
2498	17641490.84	4751812.71	1.85	0	D	32	34.9	0.0	-20.8	0.0	0.0	49.1	0.0	-3.0	0.0	0.0	4.3	0.0	0.0	-36.3
2498	17641490.84	4751812.71	1.85	0	D	63	49.6	0.0	-20.8	0.0	0.0	49.1	0.0	-3.0	0.0	0.0	6.3	0.0	0.0	-23.6
2498	17641490.84	4751812.71	1.85	0	D	125	55.5	0.0	-20.8	0.0	0.0	49.1	0.0	-2.3	0.0	0.0	9.2	0.0	0.0	-21.3
2498	17641490.84	4751812.71	1.85	0	D	250	62.7	0.0	-20.8	0.0	0.0	49.1	0.1	-0.8	0.0	0.0	12.5	0.0	0.0	-19.0
2498	17641490.84	4751812.71	1.85	0	D	500	68.6	0.0	-20.8	0.0	0.0	49.1	0.2	-1.4	0.0	0.0	16.0	0.0	0.0	-16.1
2498	17641490.84	4751812.71	1.85	0	D	1000	89.5	0.0	-20.8	0.0	0.0	49.1	0.3	-2.4	0.0	0.0	19.3	0.0	0.0	2.3
2498	17641490.84	4751812.71	1.85	0	D	2000	82.2	0.0	-20.8	0.0	0.0	49.1	0.8	-2.5	0.0	0.0	21.9	0.0	0.0	-7.8
2498	17641490.84	4751812.71	1.85	0	D	4000	79.2	0.0	-20.8	0.0	0.0	49.1	2.6	-2.5	0.0	0.0	23.8	0.0	0.0	-14.7
2498	17641490.84	4751812.71	1.85	0	D	8000	80.1	0.0	-20.8	0.0	0.0	49.1	9.4	-2.5	0.0	0.0	25.3	0.0	0.0	-22.0
2498	17641490.84	4751812.71	1.85	0	N	32	34.9	0.0	-188.0	0.0	0.0	49.1	0.0	-3.0	0.0	0.0	4.3	0.0	0.0	-203.5
2498	17641490.84	4751812.71	1.85	0	N	63	49.6	0.0	-188.0	0.0	0.0	49.1	0.0	-3.0	0.0	0.0	6.3	0.0	0.0	-190.8
2498	17641490.84	4751812.71	1.85	0	N	125	55.5	0.0	-188.0	0.0	0.0	49.1	0.0	-2.3	0.0	0.0	9.2	0.0	0.0	-188.6
2498	17641490.84	4751812.71	1.85	0	N	250	62.7	0.0	-188.0	0.0	0.0	49.1	0.1	-0.8	0.0	0.0	12.5	0.0	0.0	-186.2
2498	17641490.84	4751812.71	1.85	0	N	500	68.6	0.0	-188.0	0.0	0.0	49.1	0.2	-1.4	0.0	0.0	16.0	0.0	0.0	-183.3
2498	17641490.84	4751812.71	1.85	0	N	1000	89.5	0.0	-188.0	0.0	0.0	49.1	0.3	-2.4	0.0	0.0	19.3	0.0	0.0	-164.9
2498	17641490.84	4751812.71	1.85	0	N	2000	82.2	0.0	-188.0	0.0	0.0	49.1	0.8	-2.5	0.0	0.0	21.9	0.0	0.0	-175.0
2498	17641490.84	4751812.71	1.85	0	N	4000	79.2	0.0	-188.0	0.0	0.0	49.1	2.6	-2.5	0.0	0.0	23.8	0.0	0.0	-181.9
2498	17641490.84	4751812.71	1.85	0	N	8000	80.1	0.0	-188.0	0.0	0.0	49.1	9.4	-2.5	0.0	0.0	25.3	0.0	0.0	-189.2
2498	17641490.84	4751812.71	1.85	0	E	32	34.9	0.0	-188.0	0.0	0.0	49.1	0.0	-3.0	0.0	0.0	4.3	0.0	0.0	-203.5
2498	17641490.84	4751812.71	1.85	0	E	63	49.6	0.0	-188.0	0.0	0.0	49.1	0.0	-3.0	0.0	0.0	6.3	0.0	0.0	-190.8
2498	17641490.84	4751812.71	1.85	0	E	125	55.5	0.0	-188.0	0.0	0.0	49.1	0.0	-2.3	0.0	0.0	9.2	0.0	0.0	-188.6
2498	17641490.84	4751812.71	1.85	0	E	250	62.7	0.0	-188.0	0.0	0.0	49.1	0.1	-0.8	0.0	0.0	12.5	0.0	0.0	-186.2
2498	17641490.84	4751812.71	1.85	0	E	500	68.6	0.0	-188.0	0.0	0.0	49.1	0.2	-1.4	0.0	0.0	16.0	0.0	0.0	-183.3
2498	17641490.84	4751812.71	1.85	0	E	1000	89.5	0.0	-188.0	0.0	0.0	49.1	0.3	-2.4	0.0	0.0	19.3	0.0	0.0	-164.9
2498	17641490.84	4751812.71	1.85	0	E	2000	82.2	0.0	-188.0	0.0	0.0	49.1	0.8	-2.5	0.0	0.0	21.9	0.0	0.0	-175.0
2498	17641490.84	4751812.71	1.85	0	E	4000	79.2	0.0	-188.0	0.0	0.0	49.1	2.6	-2.5	0.0	0.0	23.8	0.0	0.0	-181.9
2498	17641490.84	4751812.71	1.85	0	E	8000	80.1	0.0	-188.0	0.0	0.0	49.1	9.4	-2.5	0.0	0.0	25.3	0.0	0.0	-189.2
2499	17641490.84	4751812.71	1.85	2	D	500	68.6	0.0	-20.8	0.0	0.0	51.5	0.2	1.3	0.0	0.0	13.8	0.0	4.0	-23.0
2499	17641490.84	4751812.71	1.85	2	D	1000	89.5	0.0	-20.8	0.0	0.0	51.5	0.4	-1.5	0.0	0.0	19.7	0.0	4.0	-5.4
2499	17641490.84	4751812.71	1.85	2	D	2000	82.2	0.0	-20.8	0.0	0.0	51.5	1.0	-2.0	0.0	0.0	23.1	0.0	4.0	-16.3
2499	17641490.84	4751812.71	1.85	2	D	4000	79.2	0.0	-20.8	0.0	0.0	51.5	3.5	-2.0	0.0	0.0	26.1	0.0	4.0	-24.8
2499	17641490.84	4751812.71	1.85	2	D	8000	80.1	0.0	-20.8	0.0	0.0	51.5	12.4	-2.0	0.0	0.0	27.0	0.0	4.0	-33.6
2499	17641490.84	4751812.71	1.85	2	N	500	68.6	0.0	-188.0	0.0	0.0	51.5	0.2	1.3	0.0	0.0	13.8	0.0	4.0	-190.2
2499	17641490.84	4751812.71	1.85	2	N	1000	89.5	0.0	-188.0	0.0	0.0	51.5	0.4	-1.5	0.0	0.0	19.7	0.0	4.0	-172.6
2499	17641490.84	4751812.71	1.85	2	N	2000	82.2	0.0	-188.0	0.0	0.0	51.5	1.0	-2.0	0.0	0.0	23.1	0.0	4.0	-183.5
2499	17641490.84	4751812.71	1.85	2	N	4000	79.2	0.0	-188.0	0.0	0.0	51.5	3.5	-2.0	0.0	0.0	26.1	0.0	4.0	-192.0
2499	17641490.84	4751812.71	1.85	2	N	8000	80.1	0.0	-188.0	0.0	0.0	51.5	12.4	-2.0	0.0	0.0	27.0	0.0	4.0	-200.9
2499	17641490.84	4751812.71	1.85	2	E	500	68.6	0.0	-188.0	0.0	0.0	51.5	0.2	1.3	0.0	0.0	13.8	0.0	4.0	-190.2
2499	17641490.84	4751812.71	1.85	2	E	1000	89.5	0.0	-188.0	0.0	0.0	51.5	0.4	-1.5	0.0	0.0	19.7	0.0	4.0	-172.6
2499	17641490.84	4751812.71	1.85	2	E	2000	82.2	0.0	-188.0	0.0	0.0	51.5	1.0	-2.0	0.0	0.0	23.1	0.0	4.0	-183.5
2499	17641490.84	4751812.71	1.85	2	E	4000	79.2	0.0	-188.0	0.0	0.0	51.5	3.5	-2.0	0.0	0.0	26.1	0.0	4.0	-192.0
2499	17641490.84	4751812.71	1.85	2	E	8000	80.1	0.0	-188.0	0.0	0.0	51.5	12.4	-2.0	0.0	0.0	27.0	0.0	4.0	-200.9
2500	17641490.84	4751812.71	1.85	2	D	500	68.6	0.0	-20.8	0.0	0.0	57.1	0.4	0.4	0.0	0.0	15.7	0.0	4.0	-29.7
2500	17641490.84	4751812.71	1.85	2	D	1000	89.5	0.0	-20.8	0.0	0.0	57.1	0.7	-2.4	0.0	0.0	21.4	0.0	4.0	-12.1
2500	17641490.84	4751812.71	1.85	2	D	2000	82.2	0.0	-20.8	0.0	0.0	57.1	1.9	-2.9	0.0	0.0	24.7	0.0	4.0	-23.5
2500	17641490.84	4751812.71	1.85	2	D	4000	79.2	0.0	-20.8	0.0	0.0	57.1	6.6	-2.9	0.0	0.0	27.7	0.0	4.0	-34.2
2500	17641490.84	4751812.71	1.85	2	D	8000	80.1	0.0	-20.8	0.0	0.0	57.1	23.6	-2.9	0.0	0.0	27.9	0.0	4.0	-50.4
2500	17641490.84	4751812.71	1.85	2	N	500	68.6	0.0	-188.0	0.0	0.0	57.1	0.4	0.4	0.0	0.0	15.7	0.0	4.0	-196.9
2500	17641490.84	4751812.71	1.85	2	N	1000	89.5	0.0	-188.0	0.0	0.0	57.1	0.7	-2.4	0.0	0.0	21.4	0.0	4.0	-179.3
2500	17641490.84	4751812.71	1.85	2	N	2000	82.2	0.0	-188.0	0.0	0.0	57.1	1.9	-2.9	0.0	0.0	24.7	0.0	4.0	-190.7
2500	17641490.84	4751812.71	1.85	2	N	4000	79.2	0.0	-188.0	0.0	0.0	57.1	6.6	-2.9	0.0	0.0	27.7	0.0	4.0	-201.4
2500	17641490.84	4751812.71	1.85	2	N	8000	80.1	0.0	-188.0	0.0	0.0	57.1	23.6	-2.9	0.0	0.0	27.9	0.0	4.0	-217.6
2500	17641490.84	4751812.71	1.85	2	E	500	68.6	0.0	-188.0	0.0	0.0	57.1	0.4	0.4	0.0	0.0	15.7	0.0	4.0	-196.9
2500	17641490.84	4751812.71	1.85	2	E	1000	89.5	0.0	-188.0	0.0	0.0	57.1	0.7	-2.4	0.0	0.0	21.4	0.0	4.0	-179.3
2500	17641490.84	4751812.71	1.85	2	E	2000	82.2	0.0	-188.0	0.0	0.0	57.1	1.9	-2.9	0.0	0.0	24.7	0.0	4.0	-190.7
2500	17641490.84	4751812.71	1.85	2	E	4000	79.2	0.0	-188.0	0.0	0.0	57.1	6.6	-2.9	0.0	0.0	27.7	0.0	4.0	-201.4
2500	17641490.84	4751812.71	1.85	2	E	8000	80.1	0.0	-188.0	0.0	0.0	57.1	23.6	-2.9	0.0	0.0	27.9	0.0	4.0	-217.6
2501	17641490.84	4751812.71	1.85	1	D	500	68.6	0.0	-20.8	0.0	0.0	56.5	0.4	0.3	0.0	0.0	11.4	0.0	2.0	-22.8
2501	17641490.84	4751812.71	1.85	1	D	1000	89.5	0.0	-20.8	0.0	0.0	56.5	0.7	-2.4	0.0	0.0	16.7	0.0	2.0	-4.9
2501	17641490.84	4751812.71	1.85	1	D	2000	82.2	0.0	-20.8	0.0	0.0	56.5	1.8	-2.8	0.0	0.0	19.9	0.0	2.0	-16.1
2501	17641490.84	4751812.71	1.85	1	D	4000	79.2	0.0	-20.8	0.0	0.0	56.5	6.2	-2.8	0.0	0.0	22.8	0.0	2.0	-26.4
2501	17641490.84	4751812.71	1.85	1	D	8000	80.1	0.0	-20.8	0.0	0.0	56.5	22.1	-2.8	0.0	0.0	25.7	0.0	2.0	-44.3
2501	17641490.84	4751812.71	1.85	1	N															

Point Source, ISO 9613, Name: "Grinder", ID: "CT_GRND1"																				
Nr.	X	Y	Z	Ref.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	dB(A)						
2501	17641490.84	4751812.71	1.85	1	N	1000	89.5	0.0	-188.0	0.0	0.0	56.5	0.7	-2.4	0.0	0.0	16.7	0.0	2.0	-172.1
2501	17641490.84	4751812.71	1.85	1	N	2000	82.2	0.0	-188.0	0.0	0.0	56.5	1.8	-2.8	0.0	0.0	19.9	0.0	2.0	-183.3
2501	17641490.84	4751812.71	1.85	1	N	4000	79.2	0.0	-188.0	0.0	0.0	56.5	6.2	-2.8	0.0	0.0	22.8	0.0	2.0	-193.6
2501	17641490.84	4751812.71	1.85	1	N	8000	80.1	0.0	-188.0	0.0	0.0	56.5	22.1	-2.8	0.0	0.0	25.7	0.0	2.0	-211.5
2501	17641490.84	4751812.71	1.85	1	E	500	68.6	0.0	-188.0	0.0	0.0	56.5	0.4	0.3	0.0	0.0	11.4	0.0	2.0	-190.0
2501	17641490.84	4751812.71	1.85	1	E	1000	89.5	0.0	-188.0	0.0	0.0	56.5	0.7	-2.4	0.0	0.0	16.7	0.0	2.0	-172.1
2501	17641490.84	4751812.71	1.85	1	E	2000	82.2	0.0	-188.0	0.0	0.0	56.5	1.8	-2.8	0.0	0.0	19.9	0.0	2.0	-183.3
2501	17641490.84	4751812.71	1.85	1	E	4000	79.2	0.0	-188.0	0.0	0.0	56.5	6.2	-2.8	0.0	0.0	22.8	0.0	2.0	-193.6
2501	17641490.84	4751812.71	1.85	1	E	8000	80.1	0.0	-188.0	0.0	0.0	56.5	22.1	-2.8	0.0	0.0	25.7	0.0	2.0	-211.5

Point Source, ISO 9613, Name: "Centrimaster Exhaust Fan", ID: "EF2"																				
Nr.	X	Y	Z	Ref.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	dB(A)						
2556	17641511.80	4751799.57	6.60	0	D	63	24.3	0.0	0.0	0.0	0.0	50.3	0.0	-3.0	0.0	0.0	8.4	0.0	0.0	-31.4
2556	17641511.80	4751799.57	6.60	0	D	125	37.7	0.0	0.0	0.0	0.0	50.3	0.0	-2.0	0.0	0.0	10.4	0.0	0.0	-21.0
2556	17641511.80	4751799.57	6.60	0	D	250	46.3	0.0	0.0	0.0	0.0	50.3	0.1	-0.9	0.0	0.0	12.3	0.0	0.0	-15.5
2556	17641511.80	4751799.57	6.60	0	D	500	43.9	0.0	0.0	0.0	0.0	50.3	0.2	-1.3	0.0	0.0	15.4	0.0	0.0	-20.6
2556	17641511.80	4751799.57	6.60	0	D	1000	46.6	0.0	0.0	0.0	0.0	50.3	0.3	-2.3	0.0	0.0	18.9	0.0	0.0	-20.6
2556	17641511.80	4751799.57	6.60	0	D	2000	44.5	0.0	0.0	0.0	0.0	50.3	0.9	-2.4	0.0	0.0	20.9	0.0	0.0	-25.1
2556	17641511.80	4751799.57	6.60	0	D	4000	41.9	0.0	0.0	0.0	0.0	50.3	3.0	-2.4	0.0	0.0	21.6	0.0	0.0	-30.5
2556	17641511.80	4751799.57	6.60	0	D	8000	36.5	0.0	0.0	0.0	0.0	50.3	10.7	-2.4	0.0	0.0	22.0	0.0	0.0	-44.1
2556	17641511.80	4751799.57	6.60	0	N	63	24.3	0.0	0.0	0.0	0.0	50.3	0.0	-3.0	0.0	0.0	8.4	0.0	0.0	-31.4
2556	17641511.80	4751799.57	6.60	0	N	125	37.7	0.0	0.0	0.0	0.0	50.3	0.0	-2.0	0.0	0.0	10.4	0.0	0.0	-21.0
2556	17641511.80	4751799.57	6.60	0	N	250	46.3	0.0	0.0	0.0	0.0	50.3	0.1	-0.9	0.0	0.0	12.3	0.0	0.0	-15.5
2556	17641511.80	4751799.57	6.60	0	N	500	43.9	0.0	0.0	0.0	0.0	50.3	0.2	-1.3	0.0	0.0	15.4	0.0	0.0	-20.6
2556	17641511.80	4751799.57	6.60	0	N	1000	46.6	0.0	0.0	0.0	0.0	50.3	0.3	-2.3	0.0	0.0	18.9	0.0	0.0	-20.6
2556	17641511.80	4751799.57	6.60	0	N	2000	44.5	0.0	0.0	0.0	0.0	50.3	0.9	-2.4	0.0	0.0	20.9	0.0	0.0	-25.1
2556	17641511.80	4751799.57	6.60	0	N	4000	41.9	0.0	0.0	0.0	0.0	50.3	3.0	-2.4	0.0	0.0	21.6	0.0	0.0	-30.5
2556	17641511.80	4751799.57	6.60	0	N	8000	36.5	0.0	0.0	0.0	0.0	50.3	10.7	-2.4	0.0	0.0	22.0	0.0	0.0	-44.1
2556	17641511.80	4751799.57	6.60	0	E	63	24.3	0.0	0.0	0.0	0.0	50.3	0.0	-3.0	0.0	0.0	8.4	0.0	0.0	-31.4
2556	17641511.80	4751799.57	6.60	0	E	125	37.7	0.0	0.0	0.0	0.0	50.3	0.0	-2.0	0.0	0.0	10.4	0.0	0.0	-21.0
2556	17641511.80	4751799.57	6.60	0	E	250	46.3	0.0	0.0	0.0	0.0	50.3	0.1	-0.9	0.0	0.0	12.3	0.0	0.0	-15.5
2556	17641511.80	4751799.57	6.60	0	E	500	43.9	0.0	0.0	0.0	0.0	50.3	0.2	-1.3	0.0	0.0	15.4	0.0	0.0	-20.6
2556	17641511.80	4751799.57	6.60	0	E	1000	46.6	0.0	0.0	0.0	0.0	50.3	0.3	-2.3	0.0	0.0	18.9	0.0	0.0	-20.6
2556	17641511.80	4751799.57	6.60	0	E	2000	44.5	0.0	0.0	0.0	0.0	50.3	0.9	-2.4	0.0	0.0	20.9	0.0	0.0	-25.1
2556	17641511.80	4751799.57	6.60	0	E	4000	41.9	0.0	0.0	0.0	0.0	50.3	3.0	-2.4	0.0	0.0	21.6	0.0	0.0	-30.5
2556	17641511.80	4751799.57	6.60	0	E	8000	36.5	0.0	0.0	0.0	0.0	50.3	10.7	-2.4	0.0	0.0	22.0	0.0	0.0	-44.1

Point Source, ISO 9613, Name: "Centrimaster Exhaust Fan", ID: "EF6"																				
Nr.	X	Y	Z	Ref.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	dB(A)						
2582	17641455.86	4751783.15	8.35	0	D	63	24.3	0.0	0.0	0.0	0.0	52.6	0.0	-3.0	0.0	0.0	9.0	0.0	0.0	-34.3
2582	17641455.86	4751783.15	8.35	0	D	125	37.7	0.0	0.0	0.0	0.0	52.6	0.0	-1.8	0.0	0.0	10.7	0.0	0.0	-23.9
2582	17641455.86	4751783.15	8.35	0	D	250	46.3	0.0	0.0	0.0	0.0	52.6	0.1	0.2	0.0	0.0	11.8	0.0	0.0	-18.4
2582	17641455.86	4751783.15	8.35	0	D	500	43.9	0.0	0.0	0.0	0.0	52.6	0.2	-0.5	0.0	0.0	15.2	0.0	0.0	-23.6
2582	17641455.86	4751783.15	8.35	0	D	1000	46.6	0.0	0.0	0.0	0.0	52.6	0.4	-2.0	0.0	0.0	19.3	0.0	0.0	-23.8
2582	17641455.86	4751783.15	8.35	0	D	2000	44.5	0.0	0.0	0.0	0.0	52.6	1.2	-2.2	0.0	0.0	21.7	0.0	0.0	-28.7
2582	17641455.86	4751783.15	8.35	0	D	4000	41.9	0.0	0.0	0.0	0.0	52.6	3.9	-2.2	0.0	0.0	21.9	0.0	0.0	-34.4
2582	17641455.86	4751783.15	8.35	0	D	8000	36.5	0.0	0.0	0.0	0.0	52.6	14.1	-2.2	0.0	0.0	22.1	0.0	0.0	-50.0
2582	17641455.86	4751783.15	8.35	0	N	63	24.3	0.0	0.0	0.0	0.0	52.6	0.0	-3.0	0.0	0.0	9.0	0.0	0.0	-34.3
2582	17641455.86	4751783.15	8.35	0	N	125	37.7	0.0	0.0	0.0	0.0	52.6	0.0	-1.8	0.0	0.0	10.7	0.0	0.0	-23.9
2582	17641455.86	4751783.15	8.35	0	N	250	46.3	0.0	0.0	0.0	0.0	52.6	0.1	0.2	0.0	0.0	11.8	0.0	0.0	-18.4
2582	17641455.86	4751783.15	8.35	0	N	500	43.9	0.0	0.0	0.0	0.0	52.6	0.2	-0.5	0.0	0.0	15.2	0.0	0.0	-23.6
2582	17641455.86	4751783.15	8.35	0	N	1000	46.6	0.0	0.0	0.0	0.0	52.6	0.4	-2.0	0.0	0.0	19.3	0.0	0.0	-23.8
2582	17641455.86	4751783.15	8.35	0	N	2000	44.5	0.0	0.0	0.0	0.0	52.6	1.2	-2.2	0.0	0.0	21.7	0.0	0.0	-28.7
2582	17641455.86	4751783.15	8.35	0	N	4000	41.9	0.0	0.0	0.0	0.0	52.6	3.9	-2.2	0.0	0.0	21.9	0.0	0.0	-34.4
2582	17641455.86	4751783.15	8.35	0	N	8000	36.5	0.0	0.0	0.0	0.0	52.6	14.1	-2.2	0.0	0.0	22.1	0.0	0.0	-50.0
2582	17641455.86	4751783.15	8.35	0	E	63	24.3	0.0	0.0	0.0	0.0	52.6	0.0	-3.0	0.0	0.0	9.0	0.0	0.0	-34.3
2582	17641455.86	4751783.15	8.35	0	E	125	37.7	0.0	0.0	0.0	0.0	52.6	0.0	-1.8	0.0	0.0	10.7	0.0	0.0	-23.9
2582	17641455.86	4751783.15	8.35	0	E	250	46.3	0.0	0.0	0.0	0.0	52.6	0.1	0.2	0.0	0.0	11.8	0.0	0.0	-18.4
2582	17641455.86	4751783.15	8.35	0	E	500	43.9	0.0	0.0	0.0	0.0	52.6	0.2	-0.5	0.0	0.0	15.2	0.0	0.0	-23.6
2582	17641455.86	4751783.15	8.35	0	E	1000	46.6	0.0	0.0	0.0	0.0	52.6	0.4	-2.0	0.0	0.0	19.3	0.0	0.0	-23.8
2582	17641455.86	4751783.15	8.35	0	E	2000	44.5	0.0	0.0	0.0	0.0	52.6	1.2	-2.2	0.0	0.0	21.7	0.0	0.0	-28.7

Point Source, ISO 9613, Name: "Centrimaster Exhaust Fan", ID: "EF6"																				
Nr.	X	Y	Z	Ref.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	dB(A)						
2582	17641455.86	4751783.15	8.35	0	E	4000	41.9	0.0	0.0	0.0	0.0	52.6	3.9	-2.2	0.0	0.0	21.9	0.0	0.0	-34.4
2582	17641455.86	4751783.15	8.35	0	E	8000	36.5	0.0	0.0	0.0	0.0	52.6	14.1	-2.2	0.0	0.0	22.1	0.0	0.0	-50.0
2583	17641455.86	4751783.15	8.35	2	D	500	43.9	0.0	0.0	0.0	0.0	54.2	0.3	1.9	0.0	0.0	5.2	0.0	4.0	-21.6
2583	17641455.86	4751783.15	8.35	2	D	1000	46.6	0.0	0.0	0.0	0.0	54.2	0.5	-1.1	0.0	0.0	9.6	0.0	4.0	-20.7
2583	17641455.86	4751783.15	8.35	2	D	2000	44.5	0.0	0.0	0.0	0.0	54.2	1.4	-1.5	0.0	0.0	12.1	0.0	4.0	-25.7
2583	17641455.86	4751783.15	8.35	2	D	4000	41.9	0.0	0.0	0.0	0.0	54.2	4.7	-1.5	0.0	0.0	14.4	0.0	4.0	-34.0
2583	17641455.86	4751783.15	8.35	2	D	8000	36.5	0.0	0.0	0.0	0.0	54.2	16.9	-1.5	0.0	0.0	17.1	0.0	4.0	-54.2
2583	17641455.86	4751783.15	8.35	2	N	500	43.9	0.0	0.0	0.0	0.0	54.2	0.3	1.9	0.0	0.0	5.2	0.0	4.0	-21.6
2583	17641455.86	4751783.15	8.35	2	N	1000	46.6	0.0	0.0	0.0	0.0	54.2	0.5	-1.1	0.0	0.0	9.6	0.0	4.0	-20.7
2583	17641455.86	4751783.15	8.35	2	N	2000	44.5	0.0	0.0	0.0	0.0	54.2	1.4	-1.5	0.0	0.0	12.1	0.0	4.0	-25.7
2583	17641455.86	4751783.15	8.35	2	N	4000	41.9	0.0	0.0	0.0	0.0	54.2	4.7	-1.5	0.0	0.0	14.4	0.0	4.0	-34.0
2583	17641455.86	4751783.15	8.35	2	N	8000	36.5	0.0	0.0	0.0	0.0	54.2	16.9	-1.5	0.0	0.0	17.1	0.0	4.0	-54.2
2583	17641455.86	4751783.15	8.35	2	E	500	43.9	0.0	0.0	0.0	0.0	54.2	0.3	1.9	0.0	0.0	5.2	0.0	4.0	-21.6
2583	17641455.86	4751783.15	8.35	2	E	1000	46.6	0.0	0.0	0.0	0.0	54.2	0.5	-1.1	0.0	0.0	9.6	0.0	4.0	-20.7
2583	17641455.86	4751783.15	8.35	2	E	2000	44.5	0.0	0.0	0.0	0.0	54.2	1.4	-1.5	0.0	0.0	12.1	0.0	4.0	-25.7
2583	17641455.86	4751783.15	8.35	2	E	4000	41.9	0.0	0.0	0.0	0.0	54.2	4.7	-1.5	0.0	0.0	14.4	0.0	4.0	-34.0
2583	17641455.86	4751783.15	8.35	2	E	8000	36.5	0.0	0.0	0.0	0.0	54.2	16.9	-1.5	0.0	0.0	17.1	0.0	4.0	-54.2
2584	17641455.86	4751783.15	8.35	2	D	500	43.9	0.0	0.0	0.0	0.0	58.5	0.5	1.0	0.0	0.0	8.9	0.0	4.0	-29.0
2584	17641455.86	4751783.15	8.35	2	D	1000	46.6	0.0	0.0	0.0	0.0	58.5	0.9	-1.4	0.0	0.0	13.6	0.0	4.0	-29.0
2584	17641455.86	4751783.15	8.35	2	D	2000	44.5	0.0	0.0	0.0	0.0	58.5	2.3	-1.8	0.0	0.0	16.6	0.0	4.0	-35.1
2584	17641455.86	4751783.15	8.35	2	D	4000	41.9	0.0	0.0	0.0	0.0	58.5	7.7	-1.8	0.0	0.0	19.4	0.0	4.0	-45.9
2584	17641455.86	4751783.15	8.35	2	D	8000	36.5	0.0	0.0	0.0	0.0	58.5	27.6	-1.8	0.0	0.0	21.8	0.0	4.0	-73.5
2584	17641455.86	4751783.15	8.35	2	N	500	43.9	0.0	0.0	0.0	0.0	58.5	0.5	1.0	0.0	0.0	8.9	0.0	4.0	-29.0
2584	17641455.86	4751783.15	8.35	2	N	1000	46.6	0.0	0.0	0.0	0.0	58.5	0.9	-1.4	0.0	0.0	13.6	0.0	4.0	-29.0
2584	17641455.86	4751783.15	8.35	2	N	2000	44.5	0.0	0.0	0.0	0.0	58.5	2.3	-1.8	0.0	0.0	16.6	0.0	4.0	-35.1
2584	17641455.86	4751783.15	8.35	2	N	4000	41.9	0.0	0.0	0.0	0.0	58.5	7.7	-1.8	0.0	0.0	19.4	0.0	4.0	-45.9
2584	17641455.86	4751783.15	8.35	2	N	8000	36.5	0.0	0.0	0.0	0.0	58.5	27.6	-1.8	0.0	0.0	21.8	0.0	4.0	-73.5
2584	17641455.86	4751783.15	8.35	2	E	500	43.9	0.0	0.0	0.0	0.0	58.5	0.5	1.0	0.0	0.0	8.9	0.0	4.0	-29.0
2584	17641455.86	4751783.15	8.35	2	E	1000	46.6	0.0	0.0	0.0	0.0	58.5	0.9	-1.4	0.0	0.0	13.6	0.0	4.0	-29.0
2584	17641455.86	4751783.15	8.35	2	E	2000	44.5	0.0	0.0	0.0	0.0	58.5	2.3	-1.8	0.0	0.0	16.6	0.0	4.0	-35.1
2584	17641455.86	4751783.15	8.35	2	E	4000	41.9	0.0	0.0	0.0	0.0	58.5	7.7	-1.8	0.0	0.0	19.4	0.0	4.0	-45.9
2584	17641455.86	4751783.15	8.35	2	E	8000	36.5	0.0	0.0	0.0	0.0	58.5	27.6	-1.8	0.0	0.0	21.8	0.0	4.0	-73.5
2585	17641455.86	4751783.15	8.35	1	D	500	43.9	0.0	0.0	0.0	0.0	58.0	0.4	-0.1	0.0	0.0	13.3	0.0	2.0	-29.7
2585	17641455.86	4751783.15	8.35	1	D	1000	46.6	0.0	0.0	0.0	0.0	58.0	0.8	-1.8	0.0	0.0	17.6	0.0	2.0	-30.1
2585	17641455.86	4751783.15	8.35	1	D	2000	44.5	0.0	0.0	0.0	0.0	58.0	2.2	-2.0	0.0	0.0	20.7	0.0	2.0	-36.4
2585	17641455.86	4751783.15	8.35	1	D	4000	41.9	0.0	0.0	0.0	0.0	58.0	7.3	-2.0	0.0	0.0	22.0	0.0	2.0	-45.4
2585	17641455.86	4751783.15	8.35	1	D	8000	36.5	0.0	0.0	0.0	0.0	58.0	26.1	-2.0	0.0	0.0	22.0	0.0	2.0	-69.7
2585	17641455.86	4751783.15	8.35	1	N	500	43.9	0.0	0.0	0.0	0.0	58.0	0.4	-0.1	0.0	0.0	13.3	0.0	2.0	-29.7
2585	17641455.86	4751783.15	8.35	1	N	1000	46.6	0.0	0.0	0.0	0.0	58.0	0.8	-1.8	0.0	0.0	17.6	0.0	2.0	-30.1
2585	17641455.86	4751783.15	8.35	1	N	2000	44.5	0.0	0.0	0.0	0.0	58.0	2.2	-2.0	0.0	0.0	20.7	0.0	2.0	-36.4
2585	17641455.86	4751783.15	8.35	1	N	4000	41.9	0.0	0.0	0.0	0.0	58.0	7.3	-2.0	0.0	0.0	22.0	0.0	2.0	-45.4
2585	17641455.86	4751783.15	8.35	1	N	8000	36.5	0.0	0.0	0.0	0.0	58.0	26.1	-2.0	0.0	0.0	22.0	0.0	2.0	-69.7
2585	17641455.86	4751783.15	8.35	1	E	500	43.9	0.0	0.0	0.0	0.0	58.0	0.4	-0.1	0.0	0.0	13.3	0.0	2.0	-29.7
2585	17641455.86	4751783.15	8.35	1	E	1000	46.6	0.0	0.0	0.0	0.0	58.0	0.8	-1.8	0.0	0.0	17.6	0.0	2.0	-30.1
2585	17641455.86	4751783.15	8.35	1	E	2000	44.5	0.0	0.0	0.0	0.0	58.0	2.2	-2.0	0.0	0.0	20.7	0.0	2.0	-36.4
2585	17641455.86	4751783.15	8.35	1	E	4000	41.9	0.0	0.0	0.0	0.0	58.0	7.3	-2.0	0.0	0.0	22.0	0.0	2.0	-45.4
2585	17641455.86	4751783.15	8.35	1	E	8000	36.5	0.0	0.0	0.0	0.0	58.0	26.1	-2.0	0.0	0.0	22.0	0.0	2.0	-69.7

Point Source, ISO 9613, Name: "Centrimaster Exhaust Fan", ID: "EF7"																				
Nr.	X	Y	Z	Ref.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	dB(A)						
2592	17641457.07	4751726.92	5.70	0	D	63	24.3	0.0	0.0	0.0	0.0	55.7	0.0	-3.0	0.0	0.0	17.1	0.0	0.0	-45.5
2592	17641457.07	4751726.92	5.70	0	D	125	37.7	0.0	0.0	0.0	0.0	55.7	0.1	-2.0	0.0	0.0	19.0	0.0	0.0	-35.1
2592	17641457.07	4751726.92	5.70	0	D	250	46.3	0.0	0.0	0.0	0.0	55.7	0.2	-0.6	0.0	0.0	20.5	0.0	0.0	-29.5
2592	17641457.07	4751726.92	5.70	0	D	500	43.9	0.0	0.0	0.0	0.0	55.7	0.3	-1.2	0.0	0.0	24.0	0.0	0.0	-35.0
2592	17641457.07	4751726.92	5.70	0	D	1000	46.6	0.0	0.0	0.0	0.0	55.7	0.6	-2.3	0.0	0.0	27.3	0.0	0.0	-34.7
2592	17641457.07	4751726.92	5.70	0	D	2000	44.5	0.0	0.0	0.0	0.0	55.7	1.7	-2.5	0.0	0.0	27.5	0.0	0.0	-37.9
2592	17641457.07	4751726.92	5.70	0	D	4000	41.9	0.0	0.0	0.0	0.0	55.7	5.6	-2.5	0.0	0.0	27.5	0.0	0.0	-44.5
2592	17641457.07	4751726.92	5.70	0	D	8000	36.5	0.0	0.0	0.0	0.0	55.7	20.1	-2.5	0.0	0.0	27.5	0.0	0.0	-64.3
2592	17641457.07	4751726.92	5.70	0	N	63	24.3	0.0	0.0	0.0	0.0	55.7	0.0	-3.0	0.0	0.0	17.1	0.0	0.0	-45.5
2592	17641457.07	4751726.92	5.70	0	N	125	37.7	0.0	0.0	0.0	0.0	55.7	0.1	-2.0	0.0	0.0	19.0	0.0	0.0	-35.1
2592	17641457.07	4751726.92	5.70	0	N	250	46.3	0.0	0.0	0.0	0.0	55.7	0.2	-0.6	0.0	0.0	20.5	0.0	0.0	-29.5
2592	17641457.07	4751726.92	5.70	0	N	500	43.9	0.0	0.0	0.0	0.0	55.7	0.3	-1.2	0.0	0.0	24.0	0.0	0.0	-35.0

Point Source, ISO 9613, Name: "Centrimaster Exhaust Fan", ID: "EF7"																				
Nr.	X	Y	Z	Ref.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)						
2592	17641457.07	4751726.92	5.70	0	N	1000	46.6	0.0	0.0	0.0	0.0	55.7	0.6	-2.3	0.0	0.0	27.3	0.0	0.0	-34.7
2592	17641457.07	4751726.92	5.70	0	N	2000	44.5	0.0	0.0	0.0	0.0	55.7	1.7	-2.5	0.0	0.0	27.5	0.0	0.0	-37.9
2592	17641457.07	4751726.92	5.70	0	N	4000	41.9	0.0	0.0	0.0	0.0	55.7	5.6	-2.5	0.0	0.0	27.5	0.0	0.0	-44.5
2592	17641457.07	4751726.92	5.70	0	N	8000	36.5	0.0	0.0	0.0	0.0	55.7	20.1	-2.5	0.0	0.0	27.5	0.0	0.0	-64.3
2592	17641457.07	4751726.92	5.70	0	E	63	24.3	0.0	0.0	0.0	0.0	55.7	0.0	-3.0	0.0	0.0	17.1	0.0	0.0	-45.5
2592	17641457.07	4751726.92	5.70	0	E	125	37.7	0.0	0.0	0.0	0.0	55.7	0.1	-2.0	0.0	0.0	19.0	0.0	0.0	-35.1
2592	17641457.07	4751726.92	5.70	0	E	250	46.3	0.0	0.0	0.0	0.0	55.7	0.2	-0.6	0.0	0.0	20.5	0.0	0.0	-29.5
2592	17641457.07	4751726.92	5.70	0	E	500	43.9	0.0	0.0	0.0	0.0	55.7	0.3	-1.2	0.0	0.0	24.0	0.0	0.0	-35.0
2592	17641457.07	4751726.92	5.70	0	E	1000	46.6	0.0	0.0	0.0	0.0	55.7	0.6	-2.3	0.0	0.0	27.3	0.0	0.0	-34.7
2592	17641457.07	4751726.92	5.70	0	E	2000	44.5	0.0	0.0	0.0	0.0	55.7	1.7	-2.5	0.0	0.0	27.5	0.0	0.0	-37.9
2592	17641457.07	4751726.92	5.70	0	E	4000	41.9	0.0	0.0	0.0	0.0	55.7	5.6	-2.5	0.0	0.0	27.5	0.0	0.0	-44.5
2592	17641457.07	4751726.92	5.70	0	E	8000	36.5	0.0	0.0	0.0	0.0	55.7	20.1	-2.5	0.0	0.0	27.5	0.0	0.0	-64.3
2593	17641457.07	4751726.92	5.70	2	D	500	43.9	0.0	0.0	0.0	0.0	56.9	0.4	3.1	0.0	0.0	16.8	0.0	4.0	-37.2
2593	17641457.07	4751726.92	5.70	2	D	1000	46.6	0.0	0.0	0.0	0.0	56.9	0.7	-0.8	0.0	0.0	23.6	0.0	4.0	-37.8
2593	17641457.07	4751726.92	5.70	2	D	2000	44.5	0.0	0.0	0.0	0.0	56.9	1.9	-1.4	0.0	0.0	26.4	0.0	4.0	-43.3
2593	17641457.07	4751726.92	5.70	2	D	4000	41.9	0.0	0.0	0.0	0.0	56.9	6.5	-1.4	0.0	0.0	26.4	0.0	4.0	-50.5
2593	17641457.07	4751726.92	5.70	2	D	8000	36.5	0.0	0.0	0.0	0.0	56.9	23.1	-1.4	0.0	0.0	26.4	0.0	4.0	-72.5
2593	17641457.07	4751726.92	5.70	2	N	500	43.9	0.0	0.0	0.0	0.0	56.9	0.4	3.1	0.0	0.0	16.8	0.0	4.0	-37.2
2593	17641457.07	4751726.92	5.70	2	N	1000	46.6	0.0	0.0	0.0	0.0	56.9	0.7	-0.8	0.0	0.0	23.6	0.0	4.0	-37.8
2593	17641457.07	4751726.92	5.70	2	N	2000	44.5	0.0	0.0	0.0	0.0	56.9	1.9	-1.4	0.0	0.0	26.4	0.0	4.0	-43.3
2593	17641457.07	4751726.92	5.70	2	N	4000	41.9	0.0	0.0	0.0	0.0	56.9	6.5	-1.4	0.0	0.0	26.4	0.0	4.0	-50.5
2593	17641457.07	4751726.92	5.70	2	N	8000	36.5	0.0	0.0	0.0	0.0	56.9	23.1	-1.4	0.0	0.0	26.4	0.0	4.0	-72.5
2593	17641457.07	4751726.92	5.70	2	E	500	43.9	0.0	0.0	0.0	0.0	56.9	0.4	3.1	0.0	0.0	16.8	0.0	4.0	-37.2
2593	17641457.07	4751726.92	5.70	2	E	1000	46.6	0.0	0.0	0.0	0.0	56.9	0.7	-0.8	0.0	0.0	23.6	0.0	4.0	-37.8
2593	17641457.07	4751726.92	5.70	2	E	2000	44.5	0.0	0.0	0.0	0.0	56.9	1.9	-1.4	0.0	0.0	26.4	0.0	4.0	-43.3
2593	17641457.07	4751726.92	5.70	2	E	4000	41.9	0.0	0.0	0.0	0.0	56.9	6.5	-1.4	0.0	0.0	26.4	0.0	4.0	-50.5
2593	17641457.07	4751726.92	5.70	2	E	8000	36.5	0.0	0.0	0.0	0.0	56.9	23.1	-1.4	0.0	0.0	26.4	0.0	4.0	-72.5
2594	17641457.07	4751726.92	5.70	2	D	500	43.9	0.0	0.0	0.0	0.0	60.3	0.6	0.2	0.0	0.0	20.5	0.0	4.0	-41.6
2594	17641457.07	4751726.92	5.70	2	D	1000	46.6	0.0	0.0	0.0	0.0	60.3	1.1	-2.2	0.0	0.0	25.8	0.0	4.0	-42.4
2594	17641457.07	4751726.92	5.70	2	D	2000	44.5	0.0	0.0	0.0	0.0	60.3	2.8	-2.6	0.0	0.0	27.6	0.0	4.0	-47.6
2594	17641457.07	4751726.92	5.70	2	D	4000	41.9	0.0	0.0	0.0	0.0	60.3	9.5	-2.6	0.0	0.0	27.6	0.0	4.0	-56.9
2594	17641457.07	4751726.92	5.70	2	D	8000	36.5	0.0	0.0	0.0	0.0	60.3	34.0	-2.6	0.0	0.0	27.6	0.0	4.0	-86.8
2594	17641457.07	4751726.92	5.70	2	N	500	43.9	0.0	0.0	0.0	0.0	60.3	0.6	0.2	0.0	0.0	20.5	0.0	4.0	-41.6
2594	17641457.07	4751726.92	5.70	2	N	1000	46.6	0.0	0.0	0.0	0.0	60.3	1.1	-2.2	0.0	0.0	25.8	0.0	4.0	-42.4
2594	17641457.07	4751726.92	5.70	2	N	2000	44.5	0.0	0.0	0.0	0.0	60.3	2.8	-2.6	0.0	0.0	27.6	0.0	4.0	-47.6
2594	17641457.07	4751726.92	5.70	2	N	4000	41.9	0.0	0.0	0.0	0.0	60.3	9.5	-2.6	0.0	0.0	27.6	0.0	4.0	-56.9
2594	17641457.07	4751726.92	5.70	2	N	8000	36.5	0.0	0.0	0.0	0.0	60.3	34.0	-2.6	0.0	0.0	27.6	0.0	4.0	-86.8
2594	17641457.07	4751726.92	5.70	2	E	500	43.9	0.0	0.0	0.0	0.0	60.3	0.6	0.2	0.0	0.0	20.5	0.0	4.0	-41.6
2594	17641457.07	4751726.92	5.70	2	E	1000	46.6	0.0	0.0	0.0	0.0	60.3	1.1	-2.2	0.0	0.0	25.8	0.0	4.0	-42.4
2594	17641457.07	4751726.92	5.70	2	E	2000	44.5	0.0	0.0	0.0	0.0	60.3	2.8	-2.6	0.0	0.0	27.6	0.0	4.0	-47.6
2594	17641457.07	4751726.92	5.70	2	E	4000	41.9	0.0	0.0	0.0	0.0	60.3	9.5	-2.6	0.0	0.0	27.6	0.0	4.0	-56.9
2594	17641457.07	4751726.92	5.70	2	E	8000	36.5	0.0	0.0	0.0	0.0	60.3	34.0	-2.6	0.0	0.0	27.6	0.0	4.0	-86.8
2595	17641457.07	4751726.92	5.70	1	D	500	43.9	0.0	0.0	0.0	0.0	59.9	0.5	-0.6	0.0	0.0	22.0	0.0	2.0	-40.0
2595	17641457.07	4751726.92	5.70	1	D	1000	46.6	0.0	0.0	0.0	0.0	59.9	1.0	-2.3	0.0	0.0	26.7	0.0	2.0	-40.7
2595	17641457.07	4751726.92	5.70	1	D	2000	44.5	0.0	0.0	0.0	0.0	59.9	2.7	-2.6	0.0	0.0	27.6	0.0	2.0	-45.1
2595	17641457.07	4751726.92	5.70	1	D	4000	41.9	0.0	0.0	0.0	0.0	59.9	9.1	-2.6	0.0	0.0	27.6	0.0	2.0	-54.1
2595	17641457.07	4751726.92	5.70	1	D	8000	36.5	0.0	0.0	0.0	0.0	59.9	32.6	-2.6	0.0	0.0	27.6	0.0	2.0	-83.0
2595	17641457.07	4751726.92	5.70	1	N	500	43.9	0.0	0.0	0.0	0.0	59.9	0.5	-0.6	0.0	0.0	22.0	0.0	2.0	-40.0
2595	17641457.07	4751726.92	5.70	1	N	1000	46.6	0.0	0.0	0.0	0.0	59.9	1.0	-2.3	0.0	0.0	26.7	0.0	2.0	-40.7
2595	17641457.07	4751726.92	5.70	1	N	2000	44.5	0.0	0.0	0.0	0.0	59.9	2.7	-2.6	0.0	0.0	27.6	0.0	2.0	-45.1
2595	17641457.07	4751726.92	5.70	1	N	4000	41.9	0.0	0.0	0.0	0.0	59.9	9.1	-2.6	0.0	0.0	27.6	0.0	2.0	-54.1
2595	17641457.07	4751726.92	5.70	1	N	8000	36.5	0.0	0.0	0.0	0.0	59.9	32.6	-2.6	0.0	0.0	27.6	0.0	2.0	-83.0
2595	17641457.07	4751726.92	5.70	1	E	500	43.9	0.0	0.0	0.0	0.0	59.9	0.5	-0.6	0.0	0.0	22.0	0.0	2.0	-40.0
2595	17641457.07	4751726.92	5.70	1	E	1000	46.6	0.0	0.0	0.0	0.0	59.9	1.0	-2.3	0.0	0.0	26.7	0.0	2.0	-40.7
2595	17641457.07	4751726.92	5.70	1	E	2000	44.5	0.0	0.0	0.0	0.0	59.9	2.7	-2.6	0.0	0.0	27.6	0.0	2.0	-45.1
2595	17641457.07	4751726.92	5.70	1	E	4000	41.9	0.0	0.0	0.0	0.0	59.9	9.1	-2.6	0.0	0.0	27.6	0.0	2.0	-54.1
2595	17641457.07	4751726.92	5.70	1	E	8000	36.5	0.0	0.0	0.0	0.0	59.9	32.6	-2.6	0.0	0.0	27.6	0.0	2.0	-83.0
2596	17641457.07	4751726.92	5.70	1	D	1000	46.6	0.0	0.0	0.0	0.0	59.7	1.0	-3.1	0.0	0.0	26.4	0.0	2.0	-39.5
2596	17641457.07	4751726.92	5.70	1	D	2000	44.5	0.0	0.0	0.0	0.0	59.7	2.6	-3.2	0.0	0.0	28.2	0.0	2.0	-44.9
2596	17641457.07	4751726.92	5.70	1	D	4000	41.9	0.0	0.0	0.0	0.0	59.7	9.0	-3.2	0.0	0.0	28.2	0.0	2.0	-53.8
2596	17641457.07	4751726.92	5.70	1	D	8000	36.5	0.0	0.0	0.0	0.0	59.7	32.0	-3.2	0.0	0.0	28.2	0.0	2.0	-82.2
2596	17641457.07	4751726.92	5.70	1	N	1000	46.6	0.0	0.0	0.0	0.0	59.7	1.0	-3.1	0.0	0.0	26.4	0.0	2.0	-39.5
2596	17641457.07	4751726.92	5.70	1	N	2000	44.5	0.0	0.0	0.0	0.0	59.7	2.6	-3.2	0.0	0.0	28.2	0.0</		

Point Source, ISO 9613, Name: "Centrimaster Exhaust Fan", ID: "EF7"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	dB(A)						
2596	17641457.07	4751726.92	5.70	1	N	4000	41.9	0.0	0.0	0.0	0.0	59.7	9.0	-3.2	0.0	0.0	28.2	0.0	2.0	-53.8
2596	17641457.07	4751726.92	5.70	1	N	8000	36.5	0.0	0.0	0.0	0.0	59.7	32.0	-3.2	0.0	0.0	28.2	0.0	2.0	-82.2
2596	17641457.07	4751726.92	5.70	1	E	1000	46.6	0.0	0.0	0.0	0.0	59.7	1.0	-3.1	0.0	0.0	26.4	0.0	2.0	-39.5
2596	17641457.07	4751726.92	5.70	1	E	2000	44.5	0.0	0.0	0.0	0.0	59.7	2.6	-3.2	0.0	0.0	28.2	0.0	2.0	-44.9
2596	17641457.07	4751726.92	5.70	1	E	4000	41.9	0.0	0.0	0.0	0.0	59.7	9.0	-3.2	0.0	0.0	28.2	0.0	2.0	-53.8
2596	17641457.07	4751726.92	5.70	1	E	8000	36.5	0.0	0.0	0.0	0.0	59.7	32.0	-3.2	0.0	0.0	28.2	0.0	2.0	-82.2
2597	17641457.07	4751726.92	5.70	2	D	1000	46.6	0.0	0.0	0.0	0.0	59.9	1.0	-3.1	0.0	0.0	26.5	0.0	4.0	-41.6
2597	17641457.07	4751726.92	5.70	2	D	2000	44.5	0.0	0.0	0.0	0.0	59.9	2.7	-3.3	0.0	0.0	28.3	0.0	4.0	-47.1
2597	17641457.07	4751726.92	5.70	2	D	4000	41.9	0.0	0.0	0.0	0.0	59.9	9.1	-3.3	0.0	0.0	28.3	0.0	4.0	-56.1
2597	17641457.07	4751726.92	5.70	2	D	8000	36.5	0.0	0.0	0.0	0.0	59.9	32.4	-3.3	0.0	0.0	28.3	0.0	4.0	-84.8
2597	17641457.07	4751726.92	5.70	2	N	1000	46.6	0.0	0.0	0.0	0.0	59.9	1.0	-3.1	0.0	0.0	26.5	0.0	4.0	-41.6
2597	17641457.07	4751726.92	5.70	2	N	2000	44.5	0.0	0.0	0.0	0.0	59.9	2.7	-3.3	0.0	0.0	28.3	0.0	4.0	-47.1
2597	17641457.07	4751726.92	5.70	2	N	4000	41.9	0.0	0.0	0.0	0.0	59.9	9.1	-3.3	0.0	0.0	28.3	0.0	4.0	-56.1
2597	17641457.07	4751726.92	5.70	2	N	8000	36.5	0.0	0.0	0.0	0.0	59.9	32.4	-3.3	0.0	0.0	28.3	0.0	4.0	-84.8
2597	17641457.07	4751726.92	5.70	2	E	1000	46.6	0.0	0.0	0.0	0.0	59.9	1.0	-3.1	0.0	0.0	26.5	0.0	4.0	-41.6
2597	17641457.07	4751726.92	5.70	2	E	2000	44.5	0.0	0.0	0.0	0.0	59.9	2.7	-3.3	0.0	0.0	28.3	0.0	4.0	-47.1
2597	17641457.07	4751726.92	5.70	2	E	4000	41.9	0.0	0.0	0.0	0.0	59.9	9.1	-3.3	0.0	0.0	28.3	0.0	4.0	-56.1
2597	17641457.07	4751726.92	5.70	2	E	8000	36.5	0.0	0.0	0.0	0.0	59.9	32.4	-3.3	0.0	0.0	28.3	0.0	4.0	-84.8

Point Source, ISO 9613, Name: "Mitsubishi PUY-A24", ID: "RTU34"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	dB(A)						
2598	17641507.65	4751618.15	6.90	0	D	63	33.6	0.0	0.0	0.0	0.0	59.7	0.0	-3.2	0.0	0.0	10.8	0.0	0.0	-33.7
2598	17641507.65	4751618.15	6.90	0	D	125	40.9	0.0	0.0	0.0	0.0	59.7	0.1	-2.4	0.0	0.0	12.2	0.0	0.0	-28.8
2598	17641507.65	4751618.15	6.90	0	D	250	46.6	0.0	0.0	0.0	0.0	59.7	0.3	-1.0	0.0	0.0	13.4	0.0	0.0	-25.9
2598	17641507.65	4751618.15	6.90	0	D	500	48.8	0.0	0.0	0.0	0.0	59.7	0.5	-1.5	0.0	0.0	16.6	0.0	0.0	-26.5
2598	17641507.65	4751618.15	6.90	0	D	1000	50.0	0.0	0.0	0.0	0.0	59.7	1.0	-2.7	0.0	0.0	20.4	0.0	0.0	-28.5
2598	17641507.65	4751618.15	6.90	0	D	2000	47.2	0.0	0.0	0.0	0.0	59.7	2.6	-2.8	0.0	0.0	22.4	0.0	0.0	-34.7
2598	17641507.65	4751618.15	6.90	0	D	4000	40.0	0.0	0.0	0.0	0.0	59.7	9.0	-2.8	0.0	0.0	22.6	0.0	0.0	-48.5
2598	17641507.65	4751618.15	6.90	0	D	8000	31.4	0.0	0.0	0.0	0.0	59.7	31.9	-2.8	0.0	0.0	22.7	0.0	0.0	-80.2
2598	17641507.65	4751618.15	6.90	0	N	63	33.6	0.0	0.0	0.0	0.0	59.7	0.0	-3.2	0.0	0.0	10.8	0.0	0.0	-33.7
2598	17641507.65	4751618.15	6.90	0	N	125	40.9	0.0	0.0	0.0	0.0	59.7	0.1	-2.4	0.0	0.0	12.2	0.0	0.0	-28.8
2598	17641507.65	4751618.15	6.90	0	N	250	46.6	0.0	0.0	0.0	0.0	59.7	0.3	-1.0	0.0	0.0	13.4	0.0	0.0	-25.9
2598	17641507.65	4751618.15	6.90	0	N	500	48.8	0.0	0.0	0.0	0.0	59.7	0.5	-1.5	0.0	0.0	16.6	0.0	0.0	-26.5
2598	17641507.65	4751618.15	6.90	0	N	1000	50.0	0.0	0.0	0.0	0.0	59.7	1.0	-2.7	0.0	0.0	20.4	0.0	0.0	-28.5
2598	17641507.65	4751618.15	6.90	0	N	2000	47.2	0.0	0.0	0.0	0.0	59.7	2.6	-2.8	0.0	0.0	22.4	0.0	0.0	-34.7
2598	17641507.65	4751618.15	6.90	0	N	4000	40.0	0.0	0.0	0.0	0.0	59.7	9.0	-2.8	0.0	0.0	22.6	0.0	0.0	-48.5
2598	17641507.65	4751618.15	6.90	0	N	8000	31.4	0.0	0.0	0.0	0.0	59.7	31.9	-2.8	0.0	0.0	22.7	0.0	0.0	-80.2
2598	17641507.65	4751618.15	6.90	0	E	63	33.6	0.0	0.0	0.0	0.0	59.7	0.0	-3.2	0.0	0.0	10.8	0.0	0.0	-33.7
2598	17641507.65	4751618.15	6.90	0	E	125	40.9	0.0	0.0	0.0	0.0	59.7	0.1	-2.4	0.0	0.0	12.2	0.0	0.0	-28.8
2598	17641507.65	4751618.15	6.90	0	E	250	46.6	0.0	0.0	0.0	0.0	59.7	0.3	-1.0	0.0	0.0	13.4	0.0	0.0	-25.9
2598	17641507.65	4751618.15	6.90	0	E	500	48.8	0.0	0.0	0.0	0.0	59.7	0.5	-1.5	0.0	0.0	16.6	0.0	0.0	-26.5
2598	17641507.65	4751618.15	6.90	0	E	1000	50.0	0.0	0.0	0.0	0.0	59.7	1.0	-2.7	0.0	0.0	20.4	0.0	0.0	-28.5
2598	17641507.65	4751618.15	6.90	0	E	2000	47.2	0.0	0.0	0.0	0.0	59.7	2.6	-2.8	0.0	0.0	22.4	0.0	0.0	-34.7
2598	17641507.65	4751618.15	6.90	0	E	4000	40.0	0.0	0.0	0.0	0.0	59.7	9.0	-2.8	0.0	0.0	22.6	0.0	0.0	-48.5
2598	17641507.65	4751618.15	6.90	0	E	8000	31.4	0.0	0.0	0.0	0.0	59.7	31.9	-2.8	0.0	0.0	22.7	0.0	0.0	-80.2
2599	17641507.65	4751618.15	6.90	2	D	500	48.8	0.0	0.0	0.0	0.0	63.0	0.8	1.8	0.0	0.0	3.0	0.0	4.0	-23.7
2599	17641507.65	4751618.15	6.90	2	D	1000	50.0	0.0	0.0	0.0	0.0	63.0	1.4	-1.9	0.0	0.0	6.7	0.0	4.0	-23.2
2599	17641507.65	4751618.15	6.90	2	D	2000	47.2	0.0	0.0	0.0	0.0	63.0	3.8	-2.5	0.0	0.0	7.3	0.0	4.0	-28.5
2599	17641507.65	4751618.15	6.90	2	D	4000	40.0	0.0	0.0	0.0	0.0	63.0	13.0	-2.5	0.0	0.0	7.4	0.0	4.0	-44.9
2599	17641507.65	4751618.15	6.90	2	D	8000	31.4	0.0	0.0	0.0	0.0	63.0	46.3	-2.5	0.0	0.0	7.6	0.0	4.0	-87.0
2599	17641507.65	4751618.15	6.90	2	N	500	48.8	0.0	0.0	0.0	0.0	63.0	0.8	1.8	0.0	0.0	3.0	0.0	4.0	-23.7
2599	17641507.65	4751618.15	6.90	2	N	1000	50.0	0.0	0.0	0.0	0.0	63.0	1.4	-1.9	0.0	0.0	6.7	0.0	4.0	-23.2
2599	17641507.65	4751618.15	6.90	2	N	2000	47.2	0.0	0.0	0.0	0.0	63.0	3.8	-2.5	0.0	0.0	7.3	0.0	4.0	-28.5
2599	17641507.65	4751618.15	6.90	2	N	4000	40.0	0.0	0.0	0.0	0.0	63.0	13.0	-2.5	0.0	0.0	7.4	0.0	4.0	-44.9
2599	17641507.65	4751618.15	6.90	2	N	8000	31.4	0.0	0.0	0.0	0.0	63.0	46.3	-2.5	0.0	0.0	7.6	0.0	4.0	-87.0
2599	17641507.65	4751618.15	6.90	2	E	500	48.8	0.0	0.0	0.0	0.0	63.0	0.8	1.8	0.0	0.0	3.0	0.0	4.0	-23.7
2599	17641507.65	4751618.15	6.90	2	E	1000	50.0	0.0	0.0	0.0	0.0	63.0	1.4	-1.9	0.0	0.0	6.7	0.0	4.0	-23.2
2599	17641507.65	4751618.15	6.90	2	E	2000	47.2	0.0	0.0	0.0	0.0	63.0	3.8	-2.5	0.0	0.0	7.3	0.0	4.0	-28.5
2599	17641507.65	4751618.15	6.90	2	E	4000	40.0	0.0	0.0	0.0	0.0	63.0	13.0	-2.5	0.0	0.0	7.4	0.0	4.0	-44.9
2599	17641507.65	4751618.15	6.90	2	E	8000	31.4	0.0	0.0	0.0	0.0	63.0	46.3	-2.5	0.0	0.0	7.6	0.0	4.0	-87.0
2600	17641507.65	4751618.15	6.90	1	D	500	48.8	0.0	0.0	0.0	0.0	62.7	0.7	0.2	0.0	0.0	4.6	0.0	2.0	-21.4
2600	17641507.65	4751618.15	6.90	1	D	1000	50.0	0.0	0.0	0.0	0.0	62.7	1.4	-2.4	0.0	0.0	7.2	0.0	2.0	-20.9

Point Source, ISO 9613, Name: "Mitsubishi PUY-A24", ID: "RTU34"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	dB(A)						
2600	17641507.65	4751618.15	6.90	1	D	2000	47.2	0.0	0.0	0.0	0.0	62.7	3.7	-2.8	0.0	0.0	7.6	0.0	2.0	-26.0
2600	17641507.65	4751618.15	6.90	1	D	4000	40.0	0.0	0.0	0.0	0.0	62.7	12.6	-2.8	0.0	0.0	7.7	0.0	2.0	-42.1
2600	17641507.65	4751618.15	6.90	1	D	8000	31.4	0.0	0.0	0.0	0.0	62.7	44.8	-2.8	0.0	0.0	7.7	0.0	2.0	-83.0
2600	17641507.65	4751618.15	6.90	1	N	500	48.8	0.0	0.0	0.0	0.0	62.7	0.7	0.2	0.0	0.0	4.6	0.0	2.0	-21.4
2600	17641507.65	4751618.15	6.90	1	N	1000	50.0	0.0	0.0	0.0	0.0	62.7	1.4	-2.4	0.0	0.0	7.2	0.0	2.0	-20.9
2600	17641507.65	4751618.15	6.90	1	N	2000	47.2	0.0	0.0	0.0	0.0	62.7	3.7	-2.8	0.0	0.0	7.6	0.0	2.0	-26.0
2600	17641507.65	4751618.15	6.90	1	N	4000	40.0	0.0	0.0	0.0	0.0	62.7	12.6	-2.8	0.0	0.0	7.7	0.0	2.0	-42.1
2600	17641507.65	4751618.15	6.90	1	N	8000	31.4	0.0	0.0	0.0	0.0	62.7	44.8	-2.8	0.0	0.0	7.7	0.0	2.0	-83.0
2600	17641507.65	4751618.15	6.90	1	E	500	48.8	0.0	0.0	0.0	0.0	62.7	0.7	0.2	0.0	0.0	4.6	0.0	2.0	-21.4
2600	17641507.65	4751618.15	6.90	1	E	1000	50.0	0.0	0.0	0.0	0.0	62.7	1.4	-2.4	0.0	0.0	7.2	0.0	2.0	-20.9
2600	17641507.65	4751618.15	6.90	1	E	2000	47.2	0.0	0.0	0.0	0.0	62.7	3.7	-2.8	0.0	0.0	7.6	0.0	2.0	-26.0
2600	17641507.65	4751618.15	6.90	1	E	4000	40.0	0.0	0.0	0.0	0.0	62.7	12.6	-2.8	0.0	0.0	7.7	0.0	2.0	-42.1
2600	17641507.65	4751618.15	6.90	1	E	8000	31.4	0.0	0.0	0.0	0.0	62.7	44.8	-2.8	0.0	0.0	7.7	0.0	2.0	-83.0