

# **SPECIATE 4.0**

## **Speciation Database Development Documentation**

### **Final Report**

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**SPECIATE 4.0**  
**SPECIATION DATABASE DEVELOPMENT DOCUMENTATION**  
**FINAL REPORT**

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**Sally Gutierrez, Director**  
**National Risk Management Research Laboratory**

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## ABSTRACT

SPECIATE is the U.S. Environmental Protection Agency's (EPA) repository of total organic compound (TOC) and particulate matter (PM) speciation profiles of air pollution sources. Among the many uses of speciation data, these source profiles are used to: 1) create speciated emissions inventories for regional haze, particulate matter with an aerodynamic diameter less than 2.5 micrometers (PM<sub>2.5</sub>), and ozone (O<sub>3</sub>) air quality modeling; 2) estimate hazardous and toxic air pollutant emissions from total PM and TOC primary emissions; 3) provide input to chemical mass balance (CMB) receptor models; and, 4) verify profiles derived from ambient measurements using multivariate receptor models (e.g., factor analysis and positive matrix factorization).

This report documents how EPA developed the SPECIATE 4.0 database that replaces the prior version of the SPECIATE database (i.e., SPECIATE 3.2) that was posted to EPA's Clearinghouse for Inventories & Emissions Factors (CHIEF) web site in November 2002. SPECIATE 4.0 includes a total of 4,080 PM and TOC profiles (2,019 new profiles and 2,071 profiles carried forward from SPECIATE 3.2). SPECIATE 4.0 includes 1,361 new PM profiles (of which 95 are simplified profiles and 47 are composite profiles) and 648 TOC profiles (of which 11 are composite profiles). In addition, the report documents revisions to auxiliary data tables including the volatile organic compounds (VOC)-to-total organic gases (TOG) conversion table and the source classification code (SCC) to SPECIATE profile cross-reference table.

This report presents details about how EPA developed SPECIATE 4.0 through a collaboration involving EPA's Office of Research and Development (ORD) and the Office of Air Quality Planning and Standards (OAQPS) at Research Triangle Park, NC, and Environment Canada. This report first discusses the uses and structure of the SPECIATE database in Sections I and II, respectively. Section III identifies the data sources and discusses the methods used to develop the new profiles not previously included in SPECIATE 3.2. Section IV provides important notes and comments on the use of the profiles, Section V briefly discusses source profile preparation methods, and Section VI provides the references for this report.

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## ACRONYMS AND ABBREVIATIONS

APPCD	Air Pollution Prevention and Control Division
CARB	California Air Resources Board
CAS	Chemical Abstracts Service
CHIEF	Clearinghouse for Inventories & Emissions Factors
CMAQ	EPA Models-3 Community Multiscale Air Quality Modeling System
CMB	chemical mass balance
CRC	Coordinating Research Council
CRPAQS	California Regional Particulate Air Quality Study
DRI	Desert Research Institute
EC	elemental carbon
EPA	U.S. Environmental Protection Agency
FID	flame ionization detector
GC	gas chromatography
GM	General Motors
HAP	hazardous air pollutant
HPLC	high performance liquid chromatography
ID	identification
ITN	internal tracking number
kg	kilogram
km	kilometer
mg	milligram
MS	mass spectrometer
MTBE	methyl t-butyl ether
MW	molecular weight
NCASI	National Council for Air and Stream Improvement, Inc.
NEI	National Emissions Inventory
NMOG	nonmethane organic gas
NPRI	National Pollutant Release Inventory
NREL	National Renewable Energy Laboratory
O <sub>3</sub>	ozone
OAQPS	Office of Air Quality Planning and Standards
OC	organic carbon
ORD	Office of Research and Development
PAHs	polycyclic aromatic hydrocarbons
PAMS	photochemical assessment monitoring station
Pechan	E.H. Pechan & Associates, Inc.
PM	particulate matter
PM <sub>10</sub>	particulate matter with an aerodynamic diameter less than 10 micrometers
PM <sub>2.5</sub>	particulate matter with an aerodynamic diameter less than 2.5 micrometers
POA	primary organic aerosol
QA	quality assurance
QAPP	Quality Assurance Project Plan
QC	quality control
QMP	Quality Management Plan

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RFG	reformulated gasoline
SAROAD	Storage and Retrieval of Aerometric Data
SCC	Source Classification Code
SMOKE	Sparse Matrix Operator Kernel Emissions
SRS	Substance Registry System
TAME	t-amylmethyl ether
TAP	toxic air pollutant
TC	total carbon
TCEQ	Texas Commission on Environmental Quality
THC	total hydrocarbon
TOC	total gas-phase organic compounds
TOG	total organic gases
TOR	thermal optical reflectance
TOT	thermal optical transmission
UV	ultraviolet-visible
VOC	volatile organic compounds

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## I. INTRODUCTION

SPECIATE is the U.S. Environmental Protection Agency's (EPA) repository of total organic compound (TOC) and particulate matter (PM) speciation profiles of air pollution sources. Among the many uses of speciation data, these source profiles are used to: 1) create speciated emissions inventories for regional haze, particulate matter with an aerodynamic diameter less than 2.5 micrometers (PM<sub>2.5</sub>), and ozone (O<sub>3</sub>) air quality modeling; 2) estimate hazardous air pollutant (HAP) and toxic air pollutant (TAP) emissions from total PM and TOC primary emissions; 3) provide input to chemical mass balance (CMB) receptor models; and, 4) verify profiles derived from ambient measurements using multivariate receptor models (e.g., factor analysis and positive matrix factorization).

The SPECIATE 3.2 database contains profiles that are the result of testing and/or studies that were conducted in the 1980s, and in some cases, the 1970s. However, there are numerous sources of speciation data for PM, volatile organic compounds (VOC), and total organic gases (TOG, which include non-VOCs) available from recent research studies and air quality management agency surveys. The purpose of this report is to document recent updates made to the new SPECIATE database and to describe additional work that could be performed to further improve the database. Copies of the updated database described in this report can be obtained from the EPA Work Assignment Manager, Mr. Lee Beck (Beck.Lee@epamail.epa.gov).

The SPECIATE user community has a wide range of interests and needs. Receptor modelers use SPECIATE as a source of data for emission source chemical profiles. Photochemical modelers make use of speciation data to properly characterize photochemical reactivity of VOC emissions and the chemical composition of PM emissions. Emission inventory preparers will sometimes turn to SPECIATE to fill data gaps in inventories of TAPs (which include HAPs) and greenhouse gases (e.g., methane, elemental or black carbon). Also, control strategy analysts have an interest in the chemical make-up of VOC and PM emissions, so that control programs can better target the appropriate sources.

The steering committee for this project is a working group of EPA and E.H. Pechan & Associates, Inc. (Pechan) staff, University researchers, receptor/photochemical/dispersion modelers, emission inventory developers, and state agency staff. Members of the Workgroup have contributed and/or gathered data, and have provided recommendations as to which specific speciation profiles should be added to the database.

The primary purpose of this project is to update the SPECIATE database to capture recent and scientifically-meritorious VOC, TOG, and PM speciation profile data available from EPA, state agencies, peer-reviewed literature and other relevant data sources. Another objective of this project was to revise the structure of the SPECIATE database to allow for storage of important information underlying each profile (meta data such as sampling and analysis methods, overall subjective profile quality ratings, etc.). In addition, auxiliary data tables were also updated. These include the VOC-to-TOG conversion table and the source classification code (SCC) to SPECIATE profile cross-reference table.

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To date, the initiative to update SPECIATE has produced:

- 2,865 PM profiles (1,504 legacy profiles, plus 1,361 new profiles of which 95 are simplified profiles);
- 1,215 gas profiles, 648 of which are new profiles;
- A total of 1,902 unique species;
- Composite profiles for 58 (47 PM and 11 VOC) source categories;
- An updated SCC-to-Profile cross-reference table accounting for over 80% of national VOC and nationwide PM emissions in the draft 2002 National Emissions Inventory (NEI);
- VOC-to-TOG conversion factors for applicable gas profiles;
- A protocol for expansion of the database;
- A mapping of the new VOC compounds into model species categories; and
- Review and prioritization of 49 studies entailing 614 PM and 822 VOC profiles for potential future inclusion in the SPECIATE database. The numbers do not include several large databases which need further investigation (e.g., Environment Canada's National Pollutant Release Inventory (NPRI) [over 8,000 records] and California Air Resources Board (CARB) light-duty gasoline exhaust annual surveillance tests (many hundreds of VOC profiles).

While the database has been revised and many profiles have been added, the SPECIATE Workgroup has identified and prioritized many data sets for which profiles will be developed and added to future versions of the SPECIATE database.

The SPECIATE database may be obtained through the EPA Clearinghouse for Inventories & Emissions Factors (CHIEF) web site (<http://www.epa.gov/ttn/chief/emch/speciation/>). The database is a work-in-progress; comments based on review of the database and documentation are welcome. Comments and questions may be directed to the Work Assignment Manager, Mr. Lee Beck (Beck.Lee@epamail.epa.gov).

This document first discusses the structure and use of the SPECIATE database in Section II, and then details the development of the profiles and supporting tables in Section III. Comments on the use of the profiles appear in Section IV; Section V briefly discusses source profile preparation methods. Section VI provides the references for this report. Tables A-1 and A-2 of Appendix A provide a summary of the gas and PM profiles incorporated into the SPECIATE 4.0 database, respectively. Appendix B provides a protocol for preparing profiles for the SPECIATE database. Appendix C provides speciation profiles for example mixtures.

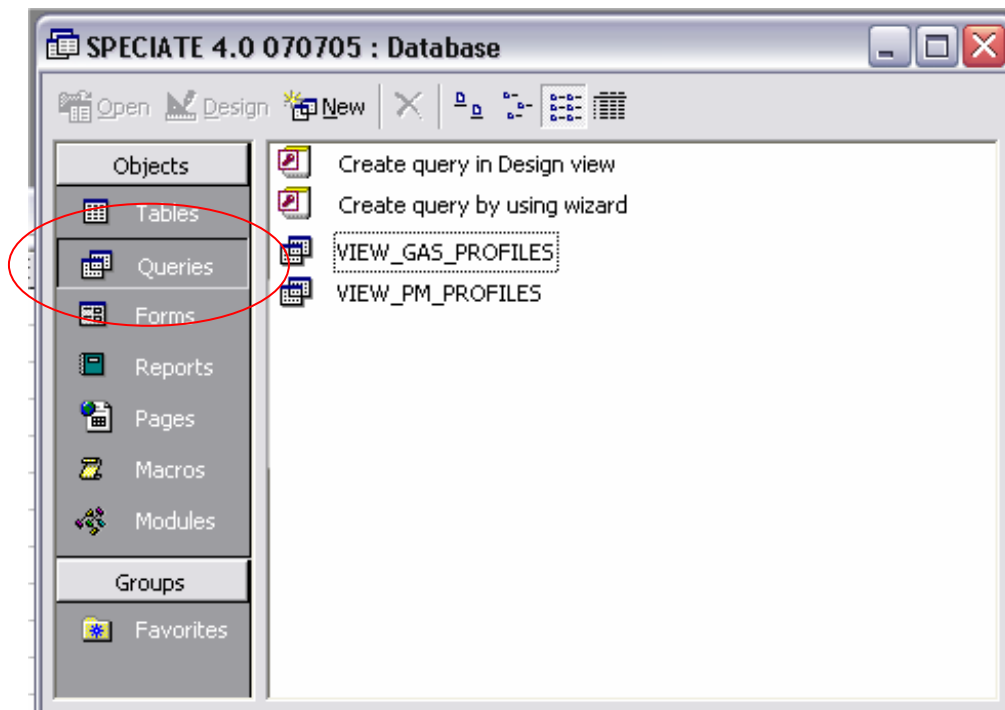
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## II. SPECIATE DATABASE

This chapter describes the organization of the database. This includes sections on use of the database, the data dictionary, overall subjective profile quality rating criteria, and profile identification (ID) numbers.

### A. USE OF THE DATABASE

The SPECIATE database is a data repository housed in a Microsoft Access database file. There is no user interface for the database at this time. Its contents may be used as needed by querying or extracting the data to suit users' needs. To facilitate inspection of the data by persons without detailed database manipulation skills, the queries VIEW\_PM\_PROFILES and VIEW\_GAS\_PROFILES have been added and are available on the Queries tab in MS Access (as shown in Figure 1 below). The VIEW\_GAS\_PROFILES query links the GAS\_PROFILE, GAS\_SPECIE, and SPECIE\_PROPERTIES tables together to allow the user to view all of the fields in each of these tables when the query is run. The VIEW\_PM\_PROFILES query links the PM\_PROFILE, PM\_SPECIE, and SPECIE\_PROPERTIES tables together to allow the user to view all of the fields in each of these tables when the query is run. Figure 2 identifies the fields in each table that can be viewed when the queries are run.



**Figure 1. Profile Views Using the Query Interface**

## B. DATABASE DESIGN

The database design appears in Figure 2. The design is intended to accommodate the desired modifications and additions to the SPECIATE functionality. The modifications are based on the suggestions from the October 2002 meeting of the SPECIATE Expert Panel held at the American Association for Aerosol Research conference in Charlotte, NC (<http://www.epa.gov/ttn/chief/software/speciate/index.html>), as well as additional recommendations provided by EPA.

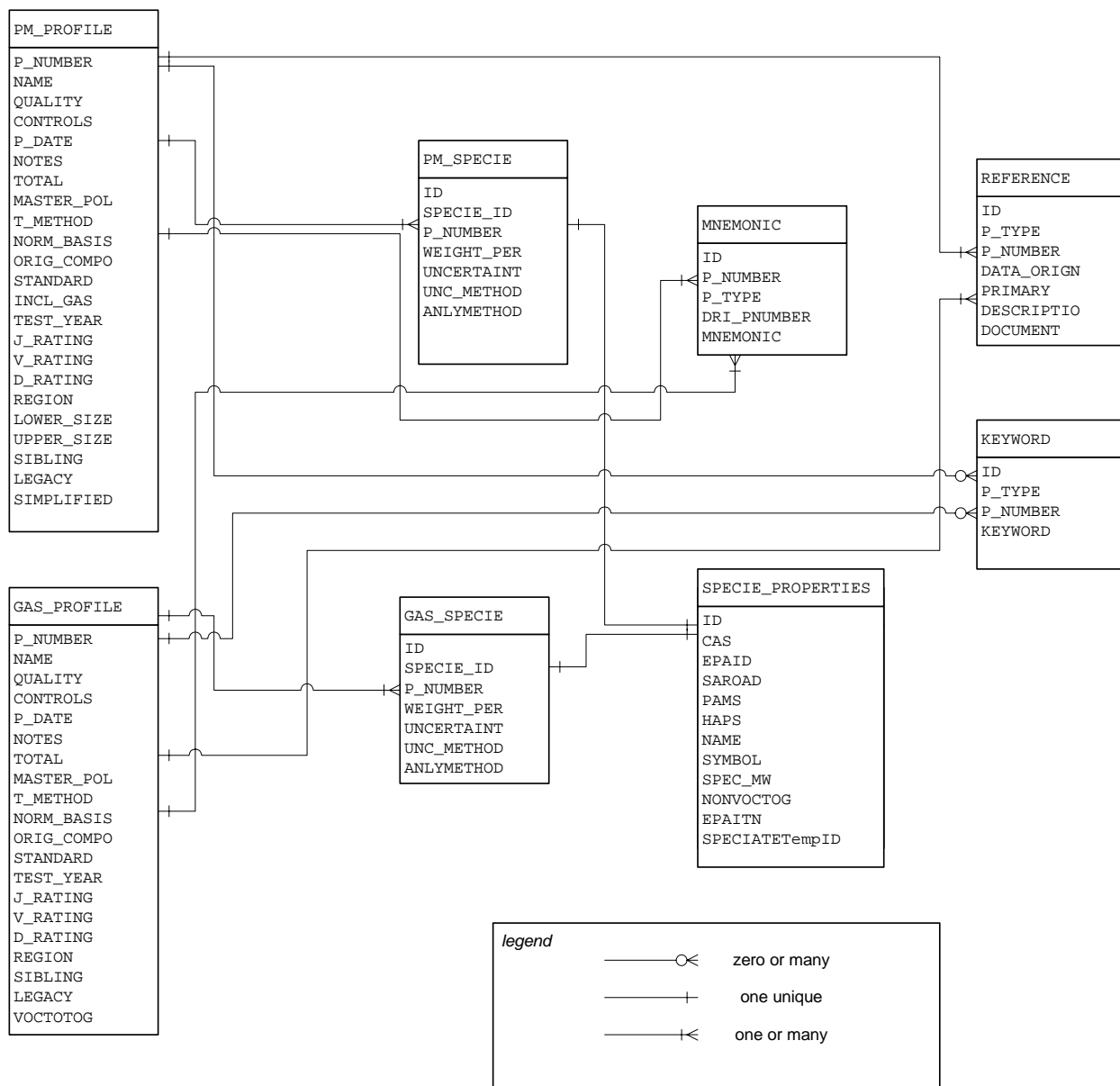


Figure 2. SPECIATE Data Diagram

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One of the embraced and adopted design principles was the accommodation of PM profiles expressed over any size range, i.e., size ranges are not pre-determined (<1.0, 1-2.5, 2.5-10, 0-30 microns, e.g.) for PM profile data. This capability is provided through the upper- and lower- size limit fields in the PM\_PROFILE table. In instances in which multiple profiles (arising from multiple size distributions) result from a single study, the particle size range will be explicitly designated in the table. The database can therefore accommodate species size distributions for any range. Future studies that require more particle size resolution can be accommodated, consistent with the expectations of future research.

Profiles for particulates (“P”) and organic gases (“G”) continue to be housed in separate tables owing to their slight variance in architecture. Other tables, such as SPECIE\_PROPERTIES and KEYWORD are common to both organic gas and particulate use.

The data dictionary (see Table 1 and subsection C below) is intended to be general and not specific to any particular database architecture. Accordingly, variance from the data dictionary expressions for some fields (e.g., Logical versus Boolean) may occur. Fields such as T\_METHOD (sampling method) and ANLYMETHOD (analytical method) contain character expressions representing the respective method employed.

The profile tables include rating fields for profile vintage (V-rating), data quality (D-rating), and expert judgment (J-rating). The Overall Subjective Profile Quality Rating is the product of the V-rating and D-rating (see Section II.E (Profile Rating Criteria) for rationale regarding profile overall ratings).

The use of P\_NUMBER as the primary key for the profiles tables has been retained from the previous version of SPECIATE; however, this practice requires the use of a concatenated logical key composed of the profile type (“P” or “G”) and the profile number when accessing common tables such as KEYWORD. A key that is unique to both PM\_PROFILE and GAS\_PROFILE could be substituted.

A REGION field is intended to house information on the geographic testing locale of certain profiles. NORM\_BASIS has been added to indicate the aggregation of species by which the profile has been normalized (e.g., TOG, VOC, and particulate matter with an aerodynamic diameter less than 10 micrometers (PM<sub>10</sub>)). For the case where both a PM and GAS profile have been taken from the same study, the field SIBLING is used to identify the associated profiles.

The fields UNCERTAINT, UNC\_METHOD, and ANLYMETHOD have been added to the species table to store that species-specific information in the database. These fields have been added to the species table to store uncertainty values, uncertainty methods, and analytical methods, respectively.

## **C. DATA DICTIONARY**

The new SPECIATE database is a Microsoft Access relational database containing eight tables as described in Table 1.



**Table 1. Descriptive Data Dictionary**

	Field	Type <sup>1</sup>	Length <sup>2</sup>	Decimals	Description
<b>PM_PROFILE Table</b>					
Primary key	P_NUMBER	C	10		PM Profile Number
	NAME	C	255		PM Profile Name
	QUALITY	C	3		Overall Subjective Profile Quality Rating (A-E) of the profile (related to the products of the V and D ratings, see section II.E for an explanation)
	CONTROLS	C	100		Emission Controls Description
	P_DATE	D			Date profile added
	NOTES	M			Notes
	TOTAL	N	6	2	Sum of species percentages for a given profile, excluding organic species, inorganic gases, and elemental sulfur in individual PM profiles. (See Section IV.F "Double Counting Compounds" of this report for rationale.)
	MASTER_POL	C	5		Indicates the pollutant to be used in calculation. Allowed value: 'PM' In the future, other values may be allowed (e.g., PM_PRI, PM_FIL, PM_CON)
	T_METHOD	M			Description of sampling method
	NORM_BASIS	C	25		Description of how profile was normalized (see section IV.E for details)
	ORIG_COMPO	C	1		Specifies whether the profile is original or composite. Allowed values: 'C','O'
	STANDARD	L	1		Indicates whether the profile is provided by EPA SPECIATE (standard) or user-added. The database is constructed to allow users to add profiles.
	INCL_GAS	L	1		Indicates whether or not the profile includes inorganic gas species (e.g., sulfur dioxide, hydrogen sulfide, oxides of nitrogen, etc.)
	TEST_YEAR	N	4	0	Indicates year testing was conducted
	J_RATING	N	4	2	Subjective expert judgment rating based on general merit (see section II.E for an explanation)
	V_RATING	N	4	2	Vintage based on TEST_YEAR field (see section II.E for an explanation)
	D_RATING	N	4	2	Data quality rating based on number of observations, robustness (see section II.E for an explanation)
	REGION	C	50		Geographic region of applicability
	LOWER_SIZE	N	5	2	Identifies lower end of aerodynamic diameter particle size, micrometers
	UPPER_SIZE	N	5	2	Identifies upper end of aerodynamic diameter particle size, micrometers

**Table 1 (continued)**

	<b>Field</b>	<b>Type<sup>1</sup></b>	<b>Length<sup>2</sup></b>	<b>Decimals</b>	<b>Description</b>
Foreign key	SIBLING	C	10		GAS Profile number; samples taken from the same source and study, if available.
	LEGACY	L	1		Was the profile taken from SPECIATE 3.2?
	SIMPLIFIED	L	1		Is the profile a PM Simplified Profile?
<b>PM_SPECIE Table</b>					
Primary key	ID	N	9	0	Unique Identifier
Foreign key	SPECIE_ID	N	9	0	Specie Identifier (The same as ID in SPECIE_PROPERTIES)
Foreign key	P_NUMBER	C	10		PM Profile number (Link to PM_Profile Table)
	WEIGHT_PER	N	7	3	Weight percent of pollutant (%)
	UNCERTAINT	N	7	3	Uncertainty percent of pollutant
	UNC_METHOD	C	25		Description of method used to calculate uncertainty
	ANLYMETHOD	C	50		Description of Analytical method (e.g., X-ray fluorescence spectroscopy, ion chromatography, etc.)
<b>REFERENCE Table</b>					
Primary key	ID	N	9	0	Unique Identifier
Foreign key	P_TYPE	C	1		Indicates PM or GAS. Allowed values: P (PM), G (Gas)
Foreign key	P_NUMBER	C	10		Profile number (Link to PM_PROFILE and GAS_PROFILE tables)
	DATA_ORIGN	C	50		Source of data (e.g., EPA Air Pollution Prevention and Control Division (APPCD), Schauer, CARB, Desert Research Institute (DRI), Literature)
	PRIMARY	L			Designates a reference as primary. When a profile is based on multiple references, this field allows one reference to be tagged as the primary reference.
	DESCRIPTIO	M			Stores the descriptive information about the profile.
	DOCUMENT	M			Complete reference citation.
<b>GAS_PROFILE Table</b>					
Primary key	P_NUMBER	C	10		GAS Profile Number
	NAME	C	255		GAS Profile Name
	QUALITY	C	3		Overall Subjective Profile Quality Rating (A-E) of the profile (related to the products of the V and D ratings, see section II.E for an explanation)
	CONTROLS	C	100		Emission Controls Description
	P_DATE	D			Date profile added
	NOTES	M			Notes

**Table 1 (continued)**

	<b>Field</b>	<b>Type<sup>1</sup></b>	<b>Length<sup>2</sup></b>	<b>Decimals</b>	<b>Description</b>
	TOTAL	N	6	2	Sum of organic gas species percentages for a given profile
	MASTER_POL	C	4		Indicates the pollutant to be used in calculation. Allowed values: 'VOC', 'TOG'. When methane was not measured in a study, ethane, acetone and other non-VOCs are removed from the profile and it is defined as a VOC profile.
	T_METHOD	M			Description of sampling method
	NORM_BASIS	C	25		Description of how profile was normalized
	ORIG_COMPO	C	1		Specifies whether the profile is original or composite. Allowed values: 'C','O'
	STANDARD	L	1		Indicates whether the profile is provided by EPA SPECIATE (standard) or user-added. The database is constructed to allow users to add profiles.
	TEST_YEAR	N	4		Indicates year testing was conducted
	J_RATING	N	4	2	Subjective expert judgment rating based on general merit (see section II.E for an explanation)
	V_RATING	N	4	2	Vintage based on TEST_YEAR field (see section II.E for an explanation)
	D_RATING	N	4	2	Data quality rating based on number of observations, robustness (see section II.E for an explanation)
	REGION	C	50		Geographic region of source
Foreign key	SIBLING	C	10		PM Profile number; samples taken from the same source and study, if available.
	LEGACY	L	1		Was the profile taken from SPECIATE 3.2?
	VOCtoTOG	N	7	3	VOC to TOG conversion factor
<b>GAS_SPECIE Table</b>					
Primary key	ID	N	9	0	Unique Identifier
Foreign key	SPECIE_ID	N	9	0	Species Identifier (Must be the same as ID in SPECIE_PROPERTIES)
Foreign key	P_NUMBER	C	10		GAS Profile Number (Link to GAS_PROFILE table)
	WEIGHT_PER	N	6	2	Weight percent of pollutant (%)
	UNCERTAINT	N	7	3	Uncertainty percent of pollutant
	UNC_METHOD	C	25		Description of method used to calculate uncertainty
	ANLYMETHOD	C	50		Description of Analytical method (e.g., gas chromatography (GC)/flame ionization detector (FID), GC/mass spectrometer (MS), high performance liquid chromatography (HPLC)/ultraviolet-visible (UV))

**Table 1 (continued)**

	<b>Field</b>	<b>Type<sup>1</sup></b>	<b>Length<sup>2</sup></b>	<b>Decimals</b>	<b>Description</b>
<b>KEYWORD Table</b>					
Primary key	ID	N	9	0	Unique Identifier
Foreign key	P_TYPE	C	1		Indicates PM or GAS. Allowed values: P, G
Foreign key	P_NUMBER	C	10		Profile Number (Link to PM_PROFILE and GAS_PROFILE Tables)
	KEYWORD	C	255		Keyword describing profile
<b>SPECIE_PROPERTIES Table</b>					
Primary key	ID	N	9	0	Unique Identifier (Link to PM_SPECIES and GAS_SPECIES tables)
	CAS	C	50		Chemical Abstracts Service (CAS) number assigned to pollutant (with hyphens) (blank if no CAS)
	EPA_ID	C	50		EPA Chemical Identifier; to be provided by EPA Substance Registry System (SRS) for species without CAS numbers
	SAROAD	C	5		Storage and Retrieval of Aerometric Data (SAROAD) code
	PAMS	L	1		Is PAMS pollutant? (Yes or No)
	HAPS	L	1		Is Hazardous Air Pollutant? (Yes or No)
	NAME	C	255		Pollutant name
	SYMBOL	C	9		Standard chemical abbreviation (provided by Eric Fujita, DRI)
	SPEC_MW	N	6	2	Species molecular weight
	NonVOCTOG	L	1		Is this species not regarded as a volatile organic gas?
	EPAITN	C	9		EPA Internal Tracking Number
	SPECIATETempID	C	25		SPECIATE Temporary ID
<b>MNEMONIC Table</b>					
Primary key	ID	N	9	0	Unique Identifier
Foreign key	P_TYPE	C	1		Indicates PM or GAS. Allowed values: P (PM), G (Gas)
Foreign key	P_NUMBER	C	10		Profile number (Link to PM_PROFILE and GAS_PROFILE tables)
	DRI_PNUMBR	C	6		DRI profile number (Original DRI profile numbers)
	MNEMONIC	C	60		Alphanumeric code unique to each profile. Used in CMB input files.

<sup>1</sup> Field types. C: Character; D: Date; L: Logical; M: Memo; N: Numeric; Object.

<sup>2</sup> Length – length allowed.

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- The PM\_PROFILE table includes, but is not limited to, profile number, name, notes on the profile, and descriptive information about the profile such as, sum of species, test method, and normalization basis. Also included in this table are the ratings, including expert judgment, vintage, data quality, and overall subjective profile quality rating. The use of the ratings is detailed in Section II.E of this document.
  - PM\_SPECIE table includes the specie identification number, the profile number associated with the specie, the percentage of the specie in the profile, the uncertainty associated with the percentage value, the method used to determine uncertainty, and a description of the analysis method used to determine the species percentage in the profile.
  - The REFERENCE table includes information that characterizes the reference documents associated with the profiles, including whether or not a particular reference is the primary reference (thus allowing multiple and unlimited references for any profile).
  - The GAS\_PROFILE table includes, but is not limited to, profile number, name, notes on the profile, and descriptive information about the profile such as, sum of species, test method, and normalization basis. Also included in this table are the ratings, including expert judgment, vintage, data quality, and overall subjective profile quality rating. The use of the ratings is detailed in Section II.E of this document.
  - The GAS\_SPECIE table includes the specie identification number, the profile number associated with the specie, the percentage of the specie in the profile, the uncertainty associated with the percentage value, the method used to determine uncertainty, and a description of the analysis method used to determine the species percentage in the profile.
  - The KEYWORD table includes descriptive keywords of profiles. This information can be used in keyword-based searches for profiles.
  - The SPECIE\_PROPERTIES table includes the identifying numbers associated with the compounds that are species in the database, as well as other characteristic information such as molecular weight.
  - The MNEMONIC table includes abbreviated profile names used in CMB receptor models.

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## D. SPECIATE 3.2 LEGACY PROFILES

The profiles in SPECIATE 3.2 have been incorporated into the SPECIATE 4.0 database. The GAS\_PROFILE and PM\_PROFILE tables in the SPECIATE 4.0 database both contain a field named “LEGACY” to identify profiles that originate from SPECIATE 3.2 (see Table 1 for the definition of this field). SPECIATE 3.2 records are clearly discernable by the yes/no criterion for this field (“yes” identifies a SPECIATE 3.2 profile). The data from SPECIATE 3.2 are reformatted for storage in the new SPECIATE database, but the additional fields that appear in SPECIATE 4.0 that do not appear in SPECIATE 3.2 are not populated. The SPECIATE 3.2 profiles are not subject to the SPECIATE 4.0 profile rating criteria discussed in the next section.

## E. PROFILE RATING CRITERIA

SPECIATE is a legacy application that the EPA and other environmental stakeholders have used for many years. The new profiles added to SPECIATE 4.0 were developed based on data sets that have become available since SPECIATE 3.2 was released, as described in Section III. This section of the report explains rating criteria that the SPECIATE Workgroup developed for the new profiles added to SPECIATE 4.0. These ratings are meant to be used for comparing the quality of the new profiles relative to one another. In general, the Workgroup believes that the quality of a profile does increase with the number of samples and the age of the data. However, this is not necessarily true for all profiles; consequently, the user of SPECIATE should acknowledge and consider these limitations when selecting profiles for use in their particular application.

The profile ratings that were developed for the newly developed source profiles are based on the following criteria:

- *V-rating (profile vintage)* is based on the vintage of the profile which reflects measurement technology and methodology. For profiles before Year 1980 – score = 1, 1980-1990 score = 2, 1991-1995 score = 3, 1996-2000 score = 4 and after Year 2000 score = 5. These data are housed in the V\_RATING field in the PM and Gas profile tables.
- *D-rating (number of samples)* is given a “1” (poor) to “4” (excellent) rating. This category is rated based on the number of samples: # of samples > 10 score = 4; 5-9 samples score = 3; 3-4 and composite samples score = 2; 1-2 or unknown # of samples score = 1. These data are housed in the D\_RATING field in the PM and Gas profile tables.
- *Overall Subjective Profile Quality Rating* is assigned a value of “A” (highest quality) to “E” (lowest quality) to each non-legacy profile based on the “*Quality Score*” calculated as the “V-rating” x “D-rating”. Table 2 shows the range of quality scores that are mapped to each overall profile quality rating. The overall subjective profile quality rating is found in the PM and Gas profile tables under the field named QUALITY.

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Note that ratings are not provided for the PM composite profiles since these profiles were developed by compositing data for two or more individual profiles that have different scores for the same rating category. Also, ratings are not provided for the simplified profiles that were developed from more than one individual profile. The user should refer to the ratings for the individual profiles used to develop the composite and simplified profiles.

Legacy profiles originating from SPECIATE 3.2 do not have entries for V\_RATING or D\_RATING (or J\_RATING shown below), however, they retain their legacy quality rating expressed numerically (5 = highest quality, 1= lowest quality). The SPECIATE 3.2 documentation does not identify how the quality ratings were selected.

**Table 2. Overall Subjective Profile Quality Ratings**

Profile Quality	Quality Score Ranges
A	17-20
B	13-16
C	9-12
D	5-8
E	<5

- *J-rating (expert judgment)* is given a “1” (poor) to “5” (excellent) rating. This value is based on the information underlying each profile including, but not limited to:
  - Profile composition;
  - Relative ratios of species within the profile;
  - Sum of the speciated mass fractions; and
  - Supporting documentation.

Due to the complexity of each profile, we were unable to develop an objective rule by which to assign the rating. These inherently qualitative values are assigned by the principal investigator for profiles obtained from DRI or by Pechan technical staff otherwise per the guidance of the SPECIATE Workgroup. DRI and Pechan have extensive experience in source testing for speciation and processing speciated data for emissions inventories, toxic emissions assessment, photochemical modeling, and source-receptor modeling. The technical staff has published numerous peer-reviewed papers, prepared speciation profiles and methodologies for air quality management agencies. Owing to the subjective nature of this rating, it is not a component of the Overall Subjective Profile Quality Rating. The overall quality rating and its constituent ratings, as well as the expert judgment rating, are available to the user and auditor for their consideration. Users may consider the ratings as well as the reference and summary information about the profiles housed in the profile tables to determine the suitability of a profile to their needs.

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### **III. NEW PROFILES INCLUDED IN SPECIATE**

During this project, speciation data and profiles obtained from EPA, CARB, DRI, the Texas Commission on Environmental Quality (TCEQ), and numerous peer-reviewed journal articles were considered for inclusion in the new SPECIATE database.

A complete list of profiles in the database, as of the date of this document, is shown in Appendix A. The following sections describe significant datasets from which profiles were obtained.

#### **A. EPA SPECIATION DATA**

EPA data included the speciation of 374 gasoline and diesel liquids and headspace vapors. Other EPA VOC, TOG, and PM data incorporated into the database include those for the burning of foliar fuels, agricultural biomass burning, motor vehicle exhaust, and iron and steel manufacturing facilities. As of the date of this report, EPA has collected detailed speciation data for:

1. Gasoline and diesel liquids and headspace vapors (Lewis, 2004);
2. Burning of foliar fuels (Hays, et al., 2002), agricultural biomass burning (Hays, et al., 2005);
3. Weyerhaeuser Kraft process recovery boiler at a pulp and paper facility (EPA, 2003);
4. Small engines (Beck, 2004);
5. Iron and steel manufacturing facilities (Machemer, 2004);
6. Motor vehicles (Zweidinger, et al., 1990);
7. Oil-fired utility boilers (Beck, 2004);
8. Combustion of residual fuel oil (Huffman, et al., 2000); and
9. Wood-fired industrial boilers (ERG, 2001).

Of the studies mentioned above, speciation data for items 1, 2, 3, 5, 6, 7, 8, and 9 were processed and incorporated into the SPECIATE 4.0 database. Speciation data for item 4 will be incorporated into a future version of SPECIATE.

#### **B. CASS GROUP SPECIATION DATA**

Many studies were conducted by researchers associated with Professor Glenn Cass' group. This subsection identifies the studies resulting from this research and for which profiles were developed and included in SPECIATE because the studies were highly recommended by the SPECIATE Workgroup. Schauer, et al. (1998) conducted a research study with the CARB to characterize seven air pollution sources: meat charbroiling, cooking with seed oils, medium-duty diesel trucks, gasoline-powered motor vehicles, fireplace combustion of wood, cigarette smoke, and industrial spray painting operations. Along with these seven source sectors, this research study also included liquid gasoline and headspace vapor profiles and paved road dust profiles for source receptor modeling. Profiles from five out of the seven source sectors were published in



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peer-reviewed journals. The other profiles mentioned above were identified in the final report to the CARB (Schauer, et al., 1998) and incorporated into the database.

It is important to note that Schauer, *et al.* continued an earlier CARB funded research study by Rogge, et al. (1993) that applied several techniques to speciate pollutant compositions. Both studies were Ph.D. dissertations from Dr. Glen Cass's group at the California Institute of Technology. Other speciation profiles by Dr. Cass's research group were also highly recommended by the Workgroup, but have not been incorporated into the database.

Both the Schauer, *et al.* and Rogge, *et al.* studies are extremely detailed in that they speciated hundreds of organic compounds in PM, in addition to ions, metals, elemental carbon (EC) and organic carbon (OC). These detailed speciation PM profiles are different from most other PM profiles which usually provide EC, OC, ions, and trace element information only. The additional OC speciation data provide important source markers for receptor modeling (e.g., hopanes, steranes, phenols, syringols, and levoglucosan) and TAP emission inventories for health risk assessment (e.g., polycyclic aromatic hydrocarbons or PAHs).

### **C. CARB SPECIATION PROFILES**

The CARB has assembled many TOG profiles as a result of survey work, testing programs, and other research. CARB speciation profiles are available to the public on the internet (CARB, 2003). These profiles are used by the CARB during the development of state implementation plans (e.g., to assess photochemical reactivity of VOC mixtures), TAP emission inventories, photochemical modeling, receptor modeling, and other air quality projects. In all, 221 TOG and 3 PM profiles from the CARB were selected for incorporation into the new SPECIATE database. These profiles cover emission sources such as consumer products (based on 1997 survey data), aerosol coatings (1997 survey data), architectural coatings (1998 survey data), pesticides, landfill gas, wastewater treatment plants, thinning solvents (mineral spirits), degreasing solvents, vehicle hot soak (Hsu, 2003), and other motor vehicle emission sources powered by California reformulated gasoline (RFG).

Other CARB profiles exist in the previous SPECIATE 3.2 database. Additional profiles were developed as part of CARB funded projects to DRI, and these profiles are included under the DRI data discussion below.

### **D. DRI SPECIATION PROFILES**

A total of 1,182 PM speciation profiles were obtained from DRI and incorporated into the database. The source sectors represented emissions from geological material soils, vegetative burning, industrial fuel combustion, forest fires, road dust, refineries, coal combustion, motor vehicles, and many others. DRI prepared an additional set of profiles from the Lake Tahoe Source Characterization Study (Kuhns, et al., 2004), and a study on middle- and neighborhood-scale variations of PM<sub>10</sub> source contributions in Las Vegas, Nevada (Chow, et al., 1999). These PM profiles will be incorporated into a later version of SPECIATE.

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DRI was to provide profiles for the Gasoline-Diesel PM Split Study (Clark, *et al.*, 2002) and the California Regional Particulate Air Quality Study (CRPAQS). However, these studies were not completed by the time the project ended under which DRI was to provide profiles from these studies. The data from the Gasoline-Diesel PM Split Study is now available on U.S. Department of Energy, National Renewable Energy Laboratory (NREL) web site ([http://www.nrel.gov/vehiclesandfuels/nfti/feat\\_split\\_study.html](http://www.nrel.gov/vehiclesandfuels/nfti/feat_split_study.html)). The profiles will be included in a future version of SPECIATE.

## **E. TCEQ SPECIATION PROFILES**

Speciation data from the report *Speciation of Texas Point Source VOC Emissions for Ambient Air Quality Modeling* (Cantu, 2003) were downloaded and reviewed for inclusion in the new SPECIATE database. The TCEQ VOC profile database contains 9,447 VOC speciation profiles, which are associated with the Texas 2000 Air Quality Study (PES, 2003). Along with the profiles, this database includes a cross-reference table to link emission source identification numbers for each facility to the VOC speciation profiles. These point source profiles were derived from annual speciated VOC emissions reported by emitting facilities in Texas. Other Texas area source VOC profiles are essentially EPA SPECIATE profiles.

As recommended by the Workgroup, profiles for 5 refineries and 3 olefin manufacturing plants were added to SPECIATE version 4.0 (Allen, 2004). However, these profiles will be given a low quality rating because meta data (e.g., analytical and sampling methods, source documentation, number of samples needed for profile quality rating) is not readily available and significant resources would be required to retrieve the underlying information (i.e., reviewing the facility reports, likely maintained at the facilities) to develop the meta data.

## **F. ADDITIONAL DATA REVIEWED FOR INCLUSION**

During the development of SPECIATE 4.0, the Workgroup identified more than 800 peer-reviewed journal articles and technical reports to evaluate for use in developing profiles for SPECIATE. The Workgroup prioritized the data sets with highest priority given to EPA data sets as well as the data sets selected for SPECIATE 4.0 that are previously discussed in this chapter. The high-priority data sets were further analyzed for completeness of information for profile development, the number of profiles that could be developed, priorities for source categories for which profiles previously were not available or for which improved profiles were needed, and the level-of-effort required to process the data sets. The analysis is summarized in the “Summary of Candidate Profiles Memorandum” available on the SPECIATE web site (direct link: <http://www.epa.gov/ttn/chief/emch/speciation/>). In addition, an Excel file (Master Evaluation of Profiles) is provided on this web site that shows the prioritization of the data sets (i.e., completed and incorporated into SPECIATE 4.0, reviewed and to be processed for incorporation into future versions of SPECIATE, reviewed and determined not to provide sufficient details for developing profiles, and not yet reviewed).

In addition, the SPECIATE Workgroup has prepared guidance to assist profile data collectors on how to collect and present source profile data to maximize their utility to SPECIATE users, to assist future SPECIATE managers in assessing whether the data should be incorporated, and to

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facilitate the process for preparing profiles in SPECIATE format. This information is provided in Appendix B of this report.

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## **IV. IMPORTANT NOTES AND COMMENTS RELATED TO THE SPECIATE DATABASE UPDATE**

Throughout the project, the Workgroup raised issues and questions regarding the new SPECIATE database. This section describes results and decisions made by the Workgroup.

### **A. COMPLETENESS OF THE SPECIATE DATABASE**

The new SPECIATE database includes speciation profiles essentially covering the entire top 20 VOC and PM contributing source sectors in the draft 2002 NEI, accounting for over 80% of all emissions. For example, EPA constructed VOC and PM foliar fuel profiles that are appropriate to the prescribed burning and wildfires categories, two of the largest VOC and PM emission sectors in the draft 2002 NEI. New CARB TOG profiles for gasoline motor vehicle exhaust (catalyst and non-catalyst), surface coatings (architectural coatings and aerosol coatings both solvent-borne and water-borne), liquid gasoline and the latest EPA gasoline and diesel headspace profiles are based on new regulations and formulations. A much more complete speciation of diesel exhaust VOC is also included in the new database. The gasoline and diesel onroad sectors are among the largest organic gas emitters.

Speciation data for other large emission sectors like paved and unpaved road dust, degreasing, diesel exhaust, pesticides, solvents, consumer products, fireplaces, dry cleaning, graphic arts and household products were each available and incorporated into the new database. The SPECIATE 3.2 profiles were also incorporated into the SPECIATE database.

### **B. UNRESOLVED MIXTURES WITHIN PROFILES**

Many TOG and VOC speciation profiles contain mixtures of compounds listed as a single species (e.g., surface coatings and adhesives profiles have mineral spirits and/or “aromatic 100” solvents). Users could further speciate these unresolved fractions using appropriate solvent profiles provided in the SPECIATE database (i.e., organic gas profile numbers 3141 and 4423 - 4461). Further effort should be expended in the future to resolve these mixtures within each of the SPECIATE profiles. This is an important issue for many users of SPECIATE, including photochemical modelers, inventory preparers, and control strategy analysts. Photochemical modelers have expressed an interest in seeing these mixtures resolved in speciation profiles (Carter, 2004). Unresolved mixtures occur in both the new profiles developed during this project, as well as the SPECIATE 3.2 profiles.

The issue of unresolved mixtures is illustrated in Table 3 below in the SPECIATE 3.2 TOG profile for “surface coatings – general”. The top chemical listed is mineral spirits at 31% by weight. Another important mixture in this profile is xylene isomers at 11% by weight. Since these chemicals are made up of many individual species, the use of this profile presents problems for many users. Speciation profiles for mineral spirits and xylene mixtures are shown in Appendix C. Additional effort is needed to revise at least the most important speciation profiles to resolve the mixtures in order to present reasonably-complete (i.e., species-specific) profiles for the user community. The important profiles are those with substantial amounts of mixtures (e.g.,

>3-5% by weight) and those that are commonly used in regional modeling and inventory development. For example, although there are additional mixtures shown in the profile in Table 3 (e.g., oxygenates, ketones), their contributions are fairly low.

**Table 3. SPECIATE 3.2 Profile #2425 for Surface Coatings – General**

Chemical Name	Weight Percent	CAS
MINERAL SPIRITS	31.05	64475850
TOLUENE	12.34	108883
XYLENE, ISOMERS OF	11.02	1330207
METHYL ETHYL KETONE	4.16	78933
BUTYL ACETATE N-	3.90	123864
ETHYLENE GLYCOL	3.35	107211
METHYL ISOBUTYL KETONE	3.15	108101
BUTYL CELLOSOLVE	2.94	111762
DIACETONE ALCOHOL	2.94	123422
BUTYL ALCOHOL S-	2.92	78922
ACETONE	2.36	67641
ISOBUTYL ALCOHOL	2.06	78831
ETHYL ALCOHOL	1.69	64175
ETHYL ACETATE	1.50	141786
ISOPROPYL ALCOHOL	1.50	67630
PROPYLENE GLYCOL	1.24	57556
TRICHLOROETHANE 1,1,1-	1.01	71556
UNDEFINED VOC	0.87	
PROPYL ACETATE N-	0.60	109604
PROPYLENE GLYCOL MONOMETHYL ETHER ACETATE	0.60	108656
BUTYL CARBITOL	0.54	112345
OXYGENATES	0.49	
KETONES – GENERAL	0.44	
CELLOSOLVE ACETATE	0.36	111159
METHOXY-2-PROPANOL 1-	0.30	107982
MONOMETHYL ETHER DIPROPYLENE GLYCOL	0.30	34590948
CELLOSOLVE	0.24	110805
CARBITOL	0.12	111900
METHYL CARBITOL	0.12	111773

The profiles shown for mineral spirits and xylene mixtures in Appendix C show that there are important implications for resolving these mixtures. For users involved in preparing TAP inventories, important species are present in significant amounts (e.g., toluene, ethylbenzene, xylene isomers). Resolving these mixtures will also help photochemical modelers and control strategy analysts better understand the reactivity of the overall profile.

## C. PREFERENCE OF NEW PROFILES

For certain source categories, SPECIATE users can choose from a set of relevant profiles. The new database incorporates updated speciation profiles that reflect the changes in product composition that have been made in response to new regulations (e.g., VOC limits in coatings

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and solvents) and sampling technologies (e.g., dilution sampling for combustion sources). For example, consumer and commercial products categories are among the highest contributors nationally to VOC emissions. Due to new Federal and State regulations, different formulations (e.g., no benzene in the product ingredients, water-based formulations) have been developed for consumer products, and therefore, use of the new speciation profiles is recommended. Another example is the reduction of lead content in road dust, probably due to the phase-out of leaded gasoline. Newer profiles are generally recommended where a choice exists, except when conducting retrospective emissions analyses. Users should refer to the TEST\_YEAR field associated with each profile when choosing profiles. The V\_RATING field may also be useful for this purpose.

## **D. IDENTIFICATION OF SPECIES**

The individual species that make up the profiles may be identified by several methods, so the SPECIATE database provides several fields that can be used to distinguish each species. A CAS number is an identifier assigned to a specific compound by the American Chemical Society. EPA is often interested in groups of compounds, such as Volatile Organic Compounds or Polycyclic Aromatic Hydrocarbons. These groups are assigned EPA IDs in lieu of a CAS number. CAS numbers and EPA IDs are mutually exclusive-- that is, a compound or group never has both identifiers. An EPA internal tracking number (ITN) is assigned to all compounds or groups tracked in the Substance Registry System (SRS) and makes a useful unique identifier for compounds/groups, however, it is not as well-known or as readily available as the CAS number. Finally, ongoing research and analysis shows that there are compounds and mixtures that have no associated identification numbers.

Within SPECIATE, all species, whether individual compounds or groupings, are identified and detailed in the SPECIE\_PROPERTIES table. A record or row is designated for each species tracked within the database; its various identifiers and characteristics are stored in the fields or columns of the record. The internal workings of SPECIATE depend on the row ID within SPECIATE, rather than a particular ID number (such as CAS or EPA ID). Thus, SPECIATE can function with or without the presence of an identification number.

In cases where neither the CAS number, EPA ID, nor EPA ITN is available, the ID field in the SPECIE\_PROPERTIES table may be used to identify species in ancillary applications, such as mappings. Note that the SPECIATE temporary ID was used during the development of SPECIATE 4.0 to facilitate tracking of data but is no longer used.

If a CAS number, EPA ID, or EPA ITN is subsequently defined for a compound or group, that information will be recorded in the SPECIATE database in the SPECIE\_PROPERTIES table. The EPA Office of Environmental Information provided identification information on compounds in SPECIATE that were previously without identification numbers and are tracked in the SRS. These identifiers have been incorporated into the SPECIATE database in the SPECIE\_PROPERTIES table.

SAROAD codes are the other widely used chemical identifiers. However, EPA no longer maintains SAROAD codes for chemicals. Currently, SAROAD codes are included in many speciation databases and are built into photochemical and dispersion models. Since there is no

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central SAROAD codes database, there are several versions of SAROAD codes among EPA, state agencies and organizations (due to users generating their own SAROAD codes, as needed). Since there are conflicts in SAROAD codes, the Workgroup was undecided about whether they should be included in the new SPECIATE database. For SPECIATE 4.0, the SAROAD codes associated with legacy profiles were kept in the database.

## **E. RENORMALIZATION OF PM PROFILES**

Most of the profiles were normalized to the gravimetric mass of PM collected on Teflon filters. Due to the nature of sampling and analytical technologies, many PM speciation profiles show a total mass of larger than 100% due to OC measurements having “organic gas adsorption artifacts”. OC collected on quartz fiber filters has positive artifacts due to adsorption of organic gases on the filter. Desorption of semi-volatile organic compounds contributes to negative artifacts. There is no easy fix for these artifacts (Chow, 2004). Organic gas denuders and backup quartz fiber filters have been studied as methods for correcting these artifacts, but there are no standard solutions to date. Most of these profiles are technically accurate for the individual components, so the Workgroup decided to keep OC data as they were obtained. *This procedure can produce aberrant weight percentages (WEIGHT\_PER) in the PM\_SPECIES records.* DRI applied two other normalization bases to a set of PM profiles. When measured mass was below 1 to 2 milligrams (mg) or exceeded 5 mg, the effect of gaseous OC adsorption on quartz-fiber filters becomes apparent as the sum-of-chemical-species-to-measured-mass ratios exceed unity. These samples were renormalized to the sum of species or reconstructed mass rather than measured mass. For the sum of species, only total carbon (TC) was used to represent carbonaceous material while for reconstructed mass  $1.4 \times [\text{OC}] + [\text{EC}]$  was used to account for the mass of other elements (such as N, S, and O) associated with OC and crustal material was estimated by  $1.89 \times [\text{Al}] + 2.14 \times [\text{Si}] + 1.4 \times [\text{Ca}] + 1.43 \times [\text{Fe}]$  in the reconstructed mass. The NORM\_BASIS field in the PM\_PROFILE table identifies the normalization bases used for a profile if this information is available.

## **F. DOUBLE-COUNTING COMPOUNDS**

The total speciated percentage of a given PM profile is listed under the field of Total in the new SPECIATE database. It is calculated as the sum of all speciated compounds (e.g., EC, OC, sulfates, nitrates, metals), excluding elemental sulfur and speciated organics in PM (e.g., PAHs).

As described previously, speciated organic compounds were measured in many of EPA’s and Schauer’s PM profiles. The mass of these organic species was divided by PM mass as was done for other ions and elements in PM to calculate their mass fraction. For these PM profiles, the mass of each PM-associated organic species was excluded from the sum of all speciated compounds to avoid double-counting with OC (i.e., organic species such as PAHs are included in the OC fraction). The OC included in these PM speciation data have a higher mass than the sum of the speciated organic compounds (since not all species are identified and quantified). Therefore, the OC mass is used in the calculation of total PM mass when the profile is developed in order to achieve better mass closure.

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Similarly, elemental sulfur and ionic sulfate were measured in many PM speciation datasets. They were analyzed by different analytical techniques (e.g., X-ray fluorescence spectroscopy, flame atomic absorption, ion chromatography). For the purposes of determining total PM mass, the ionic sulfate results from the ion chromatography analysis were used, since this technique provides a higher total mass than the elemental measurements. It is possible that some double-counting of Na, K, and Cl occurred in the calculation of total PM, but those errors are assumed to be negligible.

## **G. INORGANIC GASES IN PM PROFILES**

Sulfur dioxide, ammonia and other inorganic gases were sometimes collected and measured along with PM. Sulfur dioxide and other gases are presented as percentages by dividing the individual gas mass by total PM mass but are not included in the Total Mass calculation for the profile. Inclusion of inorganic gases for receptor modeling purposes was recommended by the Workgroup, with inorganic gases distinctly indicated as a gas in the chemical names. Inorganic gases are not added to the PM mass. The database includes a field (INCL\_GAS) indicating whether a PM profile has associated inorganic gases.

## **H. CORRECTION FACTORS FOR OXYGENATED COMPOUNDS**

The EPA gasoline and diesel headspace vapor data were not calibrated by authentic standards, and, therefore, needed to be adjusted with factors (Lewis, 2004). Common oxygenated compounds in speciation profiles are ethanol, methyl t-butyl ether (MTBE), and t-amylmethyl ether (TAME). The mass percentages for oxygenated compounds were adjusted based on gas chromatography responses. These oxygenated compounds were adjusted based on correction factors in the literature (1.5, 1.25, and 1.2 for ethanol, MTBE, and TAME, respectively) (Scanlon et al., 1985 and Jorgensen et al., 1990). Both adjusted and unadjusted speciation profiles for the EPA headspace vapor data were incorporated. The terms “adjusted for oxygenates” and “not adjusted for oxygenates” were added to the end of the names of the profiles in the GAS\_PROFILE table in the SPECIATE database to clearly identify the profiles for which response factors were applied versus the profiles for which the response factors were not applied.

## **I. OTHER CORRECTION FACTORS**

Due to the nature of certain EC and OC analysis methods, only carbon atoms are characterized by thermal optical reflection (TOR) or thermal optical transmission (TOT) instruments (i.e., the mass of associated oxygen, hydrogen, nitrogen and other atoms are not included). EC and OC measurements reported in DRI PM profiles were measured by the TOR procedure. EPA and Schauer profiles used the TOT procedure for EC and OC analyses. This is important since previous studies have observed that the discrepancy in EC resulting from TOR and TOT procedures could be up to 40% due to differences in the operational definitions of EC and OC. Since there is no consensus on the best method for EC and OC measurements, data are reported *as measured without adjustment*. The database includes an analytical methods field (ANALYMETHOD) in the PM\_SPECIE table indicating which method was used.



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## **J. DATA FROM TUNNEL STUDIES**

Profiles generated from tunnel studies should be associated with onroad motor vehicle emissions, including mixtures of gasoline and diesel exhaust, evaporative sources, road dust, tire wear, brake wear, etc. These types of profiles can be identified from references in the database including the NOTES field. While these types of profiles may not be useful for the purposes of emission inventory development (since they are mixtures of many emission sources), they are useful for source apportionment (receptor) modeling.

## **K. VOC-to-TOG CONVERSION FACTORS**

The process of calculating the VOC-to-TOG conversion factor for a given profile consists of determining the organic gases in the profile that are exempted from the EPA VOC definition and determining what portion of the overall profile is composed of these non-photochemically reactive compounds (e.g., methane, ethane, acetone). Once the weight fraction sum of these non-photochemically reactive compounds is known, it is divided into 1 to obtain the VOC-to-TOG conversion factor. The EPA definition of VOC and a list of exempt organic gases is available at [http://www.epa.gov/ttn/naaqs/ozone/ozonetech/def\\_voc.htm](http://www.epa.gov/ttn/naaqs/ozone/ozonetech/def_voc.htm).

Using the EPA list, database queries were used to compute the VOC-to-TOG factors. For example, if a profile contains 20% methane (non-volatile gas) and 80% VOC, the VOC-to-TOG conversion factor is the sum of all species divided by the portion that is VOC, or  $100 / 80$  in this example. The resulting conversion factor (1.25) is stored with the profile in the field VOC to TOG. It can be applied to an estimate of VOC emissions to estimate TOG emissions.

For composite profiles, the conversion factors are computed after the composites are developed.

## **L. COMPOSITE PROFILES**

Many large emission source categories have multiple speciation profiles in the SPECIATE 4.0 database. The Workgroup prepared 47 composite PM profiles and then added them to the database. Table 4 lists the P\_NUMBER and name of the profiles. Users may employ the composite profiles to avoid manual comparison of several relevant but diverse profiles, using the composites as an indication of central tendency for the source category. Users may equally prefer their own analysis of the constituent profiles, determining the best fit for their needs, thereby obviating the need for the composites.

The PM-composite profiles are identified by profile numbers (P\_NUMBER) that start with "91xxx". The term "composite" is also included at the end of the name in the "NAME" field in the PM\_PROFILE table. The composite profiles are easily identified by the ORIG\_COMPO field (allowed value = "O" for Original, "C" for Composite, Null for legacy profiles). The "NOTES" field in the PM\_PROFILE table identifies the individual profiles (included in the SPECIATE database) upon which the composite profiles are based. The documentation provided in the "NOTES" field is also provided in the "DESCRIPTIO" field in the REFERENCE table; the "DOCUMENT" field in the REFERENCE table is null since the composite profiles are based on more than one individual profile. Users may look-up the

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references for the individual profiles in the database to identify the references supporting the PM-composite profiles.

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**Table 4. PM Composite Profiles Added to SPECIATE Version 4.0**

<b>P_NUMBER</b>	<b>NAME</b>
91000	Agricultural Burning - Composite
91001	Agricultural Soil - Composite
91002	Brake Lining Dust - Composite
91003	Catalytic Cracking - Composite
91004	Cement Production - Composite
91005	Charbroiling - Composite
91006	Cigarette Smoke - Composite
91007	Construction Dust - Composite
91008	Copper Production - Composite
91009	Crustal Material - Composite
91010	Distillate Oil Combustion - Composite
91011	Electric Arc Furnace - Composite
91012	Ferromanganese Furnace - Composite
91013	Fly Ash - Composite
91014	Food & Ag - Handling - Composite
91015	Industrial Soil - Composite
91016	Inorganic Fertilizer - Composite
91017	LDDV Exhaust - Composite
91018	Lime Kiln - Composite
91019	Limestone Dust - Composite
91020	Natural Gas Combustion - Composite
91021	Non-catalyst Gasoline Exhaust - Composite
91022	Onroad Gasoline Exhaust - Composite
91023	Paved Road Dust - Composite
91024	Phosphate Manuf - Composite
91025	PMSO2ControlledLigniteCombustion - Composite
91026	Prescribed Burning - Composite
91027	Process Gas Combustion - Composite
91028	Residential Coal Combustion - Composite
91029	Residential Wood Combustion: Eucalyptus - Composite
91030	Residential Wood Combustion: Hard - Composite
91031	Residential Wood Combustion: HardSoft - Composite
91032	Residential Wood Combustion: HardSoftN/A - Composite
91033	Residential Wood Combustion: Soft - Composite
91034	Residual Oil Combustion - Composite
91035	Sand & Gravel - Composite
91036	Sandblast - Composite
91037	Secondary Aluminum - Composite
91038	Sintering Furnace - Composite
91039	Slash Burning - Composite
91040	Solid Waste Combustion - Composite
91041	SubBituminousCombustion - Composite
91042	Surface Coating - Composite
91043	Tire Dust - Composite
91044	Unpaved Road Dust - Composite
91045	Wildfires - Composite
91046	Wood Product Drying - Composite
91047	Wood Product Sawing - Composite

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Scientists at EPA's Office of Air Quality Planning and Standards (OAQPS) and Office of Research and Development (ORD) (who are also members of the Workgroup) collaborated in selecting the individual profiles for developing each composite profile (Reff and Bhawe, 2006). During the compositing process, all profiles in the database were considered but some were not used for a variety of reasons. For these profiles, the worksheet named "Reason For Exclusion" is provided in a separate Excel spreadsheet file (PM Profiles not Used to Develop Composite Profiles.xls) that accompanies the SPECIATE 4.0 release. Examples of why profiles were excluded include, but are not limited to, the following:

- The PM size fraction was greater than PM<sub>2.5</sub>
- No information was provided for profiles about the type of fuel or controls used
- More recent profiles were available
- The profile was a composite

The weight percent value of each species included in the composite profile is based on the median weight percent value available from the individual profiles upon which the composite profile is based. For some source categories (e.g., paved road dust), composite profiles were created hierarchically by forming a "subcomposite" profile based on profiles that were measured from very similar source tests (e.g., Central California road dust) and then computing a composite based on the median of the subcomposite profiles. This approach was taken to avoid overweighting very similar profiles that are more numerous in the database. Null values in the individual profiles are treated as "no data available" and were excluded from determining the median value for the composite profile. Zero values in the individual profiles are assumed to mean that the weight percent value for a species is zero and is included in determining the median value for the composite profile. OC and EC composite values were calculated by the following method to account for differing analytical methods:

1. Prior to profile compositing, the OC and EC fractions were summed to calculate TC for each source profile.
2. The mean OC, mean EC, and mean TC values were calculated for each source category. If any SPECIATE profiles in a source category measured carbon using a TOR method, then only those profiles were included in the mean calculations. If no profiles in the category measured carbon by TOR, then all profiles were used to calculate mean OC, EC, and TC values.
3. Two ratios were calculated using the above mean values for each source category: OC:TC and EC:TC.
4. "Carbon method corrected" OC and EC values were calculated for each SPECIATE profile by multiplying the source category specific OC:TC and EC:TC ratios against the original TC values of each source profile.
5. The medians of these "Carbon method corrected" OC and EC values in each source category were taken as the final value for the composite profile of each source category.

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## M. PM-SIMPLIFIED PROFILES

PM-simplified profiles are those based on full PM profiles collapsed to the following five species: EC, OC, Sulfate, Nitrate, and PMOther (remaining mass fraction representing all other species). The main difference between the PM-simplified profiles included in SPECIATE 4.0 versus SPECIATE 3.2 is that the five species in PM-simplified profiles sum to 100% whereas the original PM profiles could speciate for less or sometimes larger than 100% (due to sampling artifacts). PM-simplified profiles are employed in air quality models (e.g., EPA Models-3 Community Multiscale Air Quality Modeling System (CMAQ)) that use the simplified, five-species approach.

The Workgroup prepared 95 simplified profiles and then added them to the database. Table 5 lists the P\_NUMBER and name of the profiles. The PM-simplified profiles are identified by profile numbers (P\_NUMBER) that start with “92xxx”. The PM-simplified profiles are also identified by an “X” (check off mark) in the “SIMPLIFIED” field in the PM\_PROFILE table.

Each simplified profile is based on the data in either a PM-composite profile (described above) or an individual profile included in SPECIATE 4.0. The “NOTES” field in the PM\_PROFILE table in the SPECIATE database identifies the composite or individual profile (included in the SPECIATE database) upon which each simplified profile is based. The documentation provided in the “NOTES” field is also provided in the “DESCRIPTIO” field in the REFERENCE table; the “DOCUMENT” field in the REFERENCE table is null.

**Table 5. PM Simplified Profiles Added to SPECIATE Version 4.0**

<b>P_NUMBER</b>	<b>NAME</b>
92000	Agricultural Burning - Simplified
92001	Agricultural Soil - Simplified
92002	Aluminum Production - Simplified
92003	Ammonium Nitrate Production - Simplified
92004	Ammonium Sulfate Production - Simplified
92005	Asphalt Manufacturing - Simplified
92006	Asphalt Roofing - Simplified
92007	Auto Body Shredding - Simplified
92008	Boric Acid Manufacturing - Simplified
92009	Brake Lining Dust - Simplified
92010	Brick Grinding and Screening - Simplified
92011	Calcium Carbide Furnace - Simplified
92012	Cast Iron Cupola - Simplified
92013	Catalytic Cracking - Simplified
92014	Cement Production - Simplified
92015	Charbroiling - Simplified
92016	Charcoal Manufacturing - Simplified
92017	Chem Manuf - Avg - Simplified
92018	Cigarette Smoke - Simplified
92019	Coke Calciner - Simplified
92020	Construction Dust - Simplified
92021	Copper Production - Simplified
92022	Crustal Material - Simplified
92023	Dairy Soil - Simplified
92025	Distillate Oil Combustion - Simplified
92026	Electric Arc Furnace - Simplified
92027	Ferromanganese Furnace - Simplified
92028	Fiberglass Manufacture - Simplified
92029	Fly Ash - Simplified
92030	Food & Ag - Handling - Simplified
92031	Food & Ag - Drying - Simplified
92032	Geothermal Background - Simplified
92033	Glass Furnace - Simplified
92034	Gypsum Manufacture - Simplified
92035	HDDV Exhaust - Simplified
92036	Heat Treating - Simplified
92037	Ind Manuf - Avg. - Simplified
92038	Industrial Soil - Simplified
92039	Inorganic Chemical Manufacture - Simplified
92040	Inorganic Fertilizer - Simplified
92041	Kraft Recovery Furnace - Simplified
92042	LDDV Exhaust - Simplified
92043	Lead Production - Simplified
92044	Lime Kiln - Simplified
92045	Limestone Dust - Simplified
92046	Meat Frying - Simplified
92047	Mineral Products - Avg - Simplified
92048	Natural Gas Combustion - Simplified
92049	Non-catalyst Gasoline Exhaust - Simplified
92050	Onroad Gasoline Exhaust - Simplified
92051	Open Hearth Furnace - Simplified
92052	Overall Average/Default - Simplified
92053	Paved Road Dust - Simplified
92054	Petroleum Ind - Avg - Simplified
92055	Phosphate Manuf - Simplified

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**Table 5 (continued)**

<b>P_NUMBER</b>	<b>NAME</b>
92056	PMControlledLigniteCombustion - Simplified
92057	PMSO2ControlledLigniteCombustion - Simplified
92058	Potato Deep-Frying - Simplified
92059	Prescribed Burning - Simplified
92060	Process Gas Combustion - Simplified
92061	Pulp & Paper -Avg. - Simplified
92062	Residential Coal Combustion - Simplified
92063	Residential Natural Gas Combustion - Simplified
92064	Residential Wood Combustion: Almond - Simplified
92065	Residential Wood Combustion: Cedar - Simplified
92066	Residential Wood Combustion: Eucalyptus - Simplified
92067	Residential Wood Combustion: Hard - Simplified
92068	Residential Wood Combustion: HardSoft - Simplified
92069	Residential Wood Combustion: HardSoftN/A - Simplified
92070	Residential Wood Combustion: Soft - Simplified
92071	Residential Wood Combustion: Synthetic - Simplified
92072	Residual Oil Combustion - Simplified
92073	Sand & Gravel - Simplified
92074	Sandblast - Simplified
92075	Sea Salt - Simplified
92076	Secondary Aluminum - Simplified
92077	Secondary Copper - Simplified
92078	Secondary Lead - Simplified
92079	Sintering Furnace - Simplified
92080	Slash Burning - Simplified
92081	Sludge Combustion - Simplified
92082	Solid Waste Combustion - Simplified
92083	Steel Desulfurization - Simplified
92084	SubBituminousCombustion - Simplified
92085	Surface Coating - Simplified
92086	Tire Burning - Simplified
92087	Tire Dust - Simplified
92088	Unpaved Road Dust - Simplified
92089	Urea Fertilizer - Simplified
92090	Wildfires - Simplified
92091	Wood Fired Boiler - Simplified
92092	Wood Product Drying - Simplified
92093	Wood Product Sanding - Simplified
92094	Wood Product Sawing - Simplified
92095	BituminousCoalCombustion - Simplified

Note that OC weight percent in each PM-simplified profile corresponds only to the carbon mass, per the Workgroup's decision. It is not corrected to account for other carbon bounded elements like nitrogen, oxygen, hydrogen, etc., since there are no universal accepted correction factors for all emission sources. Users should apply correction factors where appropriate.

## **N. SCC-SPECIATION PROFILE CROSS-REFERENCE TABLE**

Air quality modelers and emission inventory preparers rely on the SCC-Speciation Profile Cross-Reference Table to convert bulk emission inventories of VOC and PM<sub>2.5</sub> into speciated inventories. Applications of the cross-reference table are wide and essential, from the development of photochemical modeling inputs to characterization of speciated emissions (e.g.,

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TAPs) and global warming pollutants such as methane and EC. To facilitate use of the new speciation profiles, the cross-reference table was updated using the latest speciation profiles available in the new SPECIATE database. The starting points for these updates were the latest cross-reference tables from EPA (Houyoux, 2005).

We reviewed the assigned organic gases speciation profiles covering the SCCs that account for 80% of the draft 2002 NEI VOC emissions. The SCCs were prioritized by VOC emissions; 146 VOC SCCs were identified. After assessing the assigned speciation profiles in Sparse Matrix Operator Kernel Emissions (SMOKE) and those available in SPECIATE, we applied new speciation profile assignments for 135 SCCs, which account for 72% of the draft 2002 NEI VOC emissions. The remaining SCCs for VOC emissions (the 11 in the top 80% of VOC emissions and all of the rest) retained the existing profile assignment. Note that EPA expects to complete updates to the cross-reference table to cover all SCCs in the final 2002 NEI by the end of calendar year 2006.

PM<sub>2.5</sub> speciation profiles for all SCCs were reviewed and updated by the Workgroup, which provided 95 simplified profiles – some new, some revised, and some based on data in SPECIATE 3.2. No profile was identical to any old EPA profiles because the new profiles do not use a 1.2 multiplier to increase the OC fraction to primary organic aerosol (POA) and decrease the PM Other fraction. Most of these profiles were assigned to SCCs with PM<sub>2.5</sub> emissions in the 1999 and 2001 NEI. The EPA has updated this cross reference for all SCCs with PM<sub>2.5</sub> emissions in the 2002 NEI.

Some composite profiles were created but not assigned because they were not appropriate for a default SCC-only assignment. The profiles that have not been used could be used by SPECIATE 4.0 users by adding to the cross-reference location-specific profile assignments to certain counties or facilities, to support the particular needs of users. For example, the profile “Residential Wood Combustion: Eucalyptus” is not used in any default profile assignments, but could be used in counties where Eucalyptus is a primary source of emissions from residential wood combustion sources. A list of the profiles is tabulated below:

Profile Name	Profile Number
Cigarette Smoke	92018
Geothermal Background	92032
PMControlledLigniteCombustion	92056
Residential Wood Combustion: Almond	92064
Residential Wood Combustion: Cedar	92065
Residential Wood Combustion: Eucalyptus	92066
Residential Wood Combustion: Hard	92067
Residential Wood Combustion: HardSoftN/A	92069
Residential Wood Combustion: Soft	92070
Residential Wood Combustion: Synthetic	92071

Through this process, EPA made the following major improvements to the available PM<sub>2.5</sub> profiles and assignments.



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- New and separate profiles for western bituminous and subbituminous coal combustion and controlled lignite coal combustion are being used for appropriate processes.
  - Different natural gas profiles for residential, natural gas as used by industry, and process gas.
  - A revised profile for wildfires is being used.
  - A new profile for prescribed burning is being used for prescribed burning, instead of the wildfire profile. Similarly, profiles are available for boric acid manufacturing, calcium carbide furnace, inorganic fertilizer, urea fertilizer, lime kiln, sludge combustion, potato frying, limestone dust, and autobody shredding.
  - Household waste combustion is now using the agricultural burning profile instead of an incineration profile, to reflect the lower temperature burning and “smokier” profile that household waste combustion would be expected have.
  - Meat frying is now using a profile that is specific to meat frying and not the same profile as for charbroiling.
  - The default profile assignment for residential wood combustion is a composite profile based on hardwood and softwood profiles. However, more detailed simplified profiles are also available in SPECIATE 4.0 that are not being used because they are not appropriate for a national default.
  - A new steel desulfurization profile is being used for steel desulfurization processes, instead of sintering furnace and open-hearth furnace profiles used previously.
  - A tire burning profile is being used for tire burning, instead of a solid waste combustion profile used previously.
  - A dairy soil profile is being used for dairy soil dust, instead of a generic soil dust profile. Other soil/dust profiles available in the database are coal, coke, construction, industrial, limestone, and paved/unpaved dust.

The new cross-reference table better characterizes source chemical compositions, which should result in improvements in inventories and air quality modeling. The new cross-reference table is available on the SPECIATE web site (<http://www.epa.gov/ttn/chief/emch/speciation/>). A memorandum documenting the development of the cross-reference table is also available at the web site.

Limitations of the cross-reference table include the following:

1. Spatial and temporal resolution – the SCC-to-profile cross reference is a one-to-one relationship (i.e., each SCC is assigned to one PM or one VOC/TOG/nonmethane organic gas (NMOG) profile). When there are differences in emission source compositions for different regions and/or time periods (e.g., monthly, quarterly), users may need to revise profile assignments with profiles that are more representative of emission sources for a specific region and/or time period. For example, the new ethanol gasoline liquid (Profile # 8733) and vapor (Profile # 8736) profiles are assigned in the cross-reference table because they are believed to be more representative of ethanol-blended gasoline nationwide. For geographic areas that do not require or use ethanol-blended gasoline, the ethanol blended gasoline profiles are not appropriate. For this instance, a list of other optional profiles (e.g., non-oxygenated and MTBE blended gasoline fuels) is included

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with the cross-reference table for users to consider. Users of the cross-reference table should consult with local air quality management agencies for the type of fuels used.

2. Emission source coverage – Because of the lack of speciation data for many SCCs, same profiles were selected for similar emission characteristic sectors. For example, there are no pleasure craft exhaust (SCC 2282005010) speciation profiles available in the SPECIATE database; therefore, a light-duty gasoline vehicle exhaust profile (#4556) is assigned to this SCC. The same profile is also assigned to snowmobiles (SCC 2260001020), lawn and garden equipment (SCC 2260004026), and other nonroad emissions. This limitation can be improved by adding speciation data of those emission sources when they are available in the future. In addition, the Workgroup has identified the following categories as high priority for SPECIATION profile development:
  - Coal combustion - Eastern bituminous coal combustion and improved regional coverage for subbituminous coal combustion for both controlled and uncontrolled conditions. Efforts should be combined with research to also improve PM<sub>2.5</sub> emission factors and establish differences in emissions factors between filterable and condensable PM<sub>2.5</sub> for different coal and control technologies.
  - Nonroad diesel engines (e.g., construction equipment).
  - Gasoline-powered boats.
  - On-road gasoline exhaust under different conditions (e.g., temperatures/ seasons).
  - Updated process refinery gas outside of California, which would be more representative of other sources.
  - Controlled woodstoves.
3. PM profiles - The PM profiles assigned are all for the PM<sub>2.5</sub> size fraction. Many profiles for the same source sectors are available for different size fractions (PM<sub>10</sub> and total PM). The compositions of different PM sizes can be different. In this case, when applying profiles to PM sizes other than 2.5 micrometers, users should consult the SPECIATE database to determine if profiles are available for different sizes.

## O. MOLECULAR WEIGHTS

The SPECIATE database contains a SPECIE\_PROPERTIES table that includes 1,902 unique species (both individual compounds and mixtures). Since SPECIATE 4.0 includes all profiles from SPECIATE 3.2, the molecular weights (MWs) as well as other species information were included in the SPECIATE 4.0 database. The MWs for new species were obtained from the EPA's SRS database. If the MW for a species was not available in SRS, then the MW was obtained from either the Chemfinder.com or ChemExper.com web sites were used as the alternate means for this purpose.

If a MW could not be identified for a species using the SRS database or the Chemfinder.com and ChemExper.com web sites, a data file (Spec4Asn.xls)<sup>1</sup> prepared by Dr. William Carter to support processing of VOCs for air quality models was used as the source for MW values. Note

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<sup>1</sup> File is available at the following web site: <http://pah.cert.ucr.edu/~carter/emitdb/>

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that for poorly defined compounds and mixtures, Dr. Carter calculated a default average MW (i.e., 137.1921245) for air quality modeling purposes that was also used in the SPECIATE database for some mixtures.

## **P. QUALITY ASSURANCE PROJECT PLAN**

A “SPECIATE 4.0 Quality Management Plan (QMP)/Quality Assurance Project Plan (QAPP) was developed at the beginning of the SPECIATE update project, and has been updated as needed to document changes in quality assurance/quality control (QA/QC) responsibilities and refinements to procedures. This document is available from EPA upon request.

## **V. SOURCE PROFILE PREPARATION METHODS**

Chemical speciation data of air pollution sources are typically provided in one of two common formats – weight percent format or emission factor format. The methods used to prepare speciation profiles for use in SPECIATE depend upon the format of the speciated data as described below:

- *Weight percent format* – both CARB and DRI speciated datasets were provided in weight percent format, which only needed to be augmented with profile meta data to support the new SPECIATE tables described above (i.e. keywords, documentation, analytical and sampling methods, profile quality ratings, pollution source descriptions, etc.). EPA fuels data were also available in weight percent format, and therefore underwent the same processing procedures as CARB and DRI profiles, except that oxygenates (ethanol, MTBE, and TAME) were adjusted based on response factors by GC/FID (Lewis, 2004) as described in Section H. After applying corrections, the fuels profiles were normalized to 100%;
- *Emission factor format* – EPA foliar fuels speciation data and Cass Group speciation data are available as emission factors (e.g., mg/kilogram (kg) of biomass burned, mg/kilometer (km) traveled, and mg/kg of meat cooked). Emission factors for all speciated compounds and unidentified species were summed to obtain the total VOC or TOG emission factors. The individual species emission factors were then divided by the total emission factors and multiplied by 100 to convert to weight percent.

In some instances, organic compounds in PM were also speciated. These organic species were divided by PM mass, as was done for other ions and elements in PM. For PM profiles, PM-associated organic species mass was not included in the PM mass to avoid double-counting with OC (i.e., carbon atoms in each organic species are already represented in the OC fraction). After obtaining the weight fraction for each species, this value was multiplied by 100 to obtain weight percent.

After converting speciated data to weight percent, profile information as listed above in the data dictionary (e.g., CAS number, keywords, documentation, analytical and sampling methods, profile quality ratings, pollution source descriptions) was added based on the information

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provided in the original reference(s) for each profile (e.g., peer-reviewed papers and technical reports).

Many organic species have several chemical names (e.g., methylene chloride and dichloromethane). The database has been revised to be consistent with the nomenclature used commonly within the United States (e.g., from sources such as chemfinder.com). These chemical names are consistent with those available in the EPA SRS ([www.epa.gov/srs/](http://www.epa.gov/srs/)). In addition, errors were found for some of the CAS numbers provided in the original speciation data. CAS numbers have been checked by a program following the design of the CAS numbering system (CAS, 2004).

Limitations of SPECIATE 4.0 include the following:

1. “Unknown,” “Unidentified,” and “Undefined VOC” species – Several profiles contain unspciated mass identified as “Unknown,” “Unidentified,” or “Undefined VOC”. In some cases, more than one of these terms appears in the same profile. Users should know that all three terms represent the mass associated with unidentified species in the profile. For future revisions to the SPECIATE database, the Workgroup plans to select one term to identify unspciated mass in profiles.
2. Use of profiles with low quality ratings – Profile quality ratings are dictated by the age or vintage of the data (V-rating) and number of samples (D-rating). For example, Profiles #4526 – 4534 are gasoline vapor profiles collected in 2004. Even though, these profiles are relatively recent and provide comprehensive coverage of species, they have an overall quality rating of “D” because they are based on one sample. Note that gasoline fuels of different grades and produced by different refineries can have a wide range of gasoline vapor compositions. For example, in the same set of profiles (#4526 – 4534), n-butane varies from 22% to 41%. Therefore, the species composition of the individual profiles can vary significantly even though samples were collected from the same area in the same month. In this case, a composite profile based on those profiles (#4526 – 4524) is recommended. For the source sectors that do not have multiple samples for compositing to upgrade quality ratings, low quality rating profiles should be used with caution.

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## VI. REFERENCES

- Allen, 2004: Allen, D., University of Texas at Austin, e-mail communication with the SPECIATE Workgroup, August 8, 2004.
- Beck, 2004: Beck, L., EPA, personal communication (EPA internal data collection effort) with Ying Hsu, E.H. Pechan & Associates, Inc., 2004.
- Cantu, 2003: “*Speciation of Texas Point Source VOC Emissions for Ambient Air Quality Modeling*,” prepared by Gabriel Cantu of the Texas Commission on Environmental Quality, July, 2003.
- CARB, 2003: California Air Resources Board official speciation profiles web page, <http://www.arb.ca.gov/ei/speciate/speciate.htm>, accessed October 2003.
- Carter, 2004: Carter, W., University of California at Riverside, personal communication with Ying Hsu, E.H. Pechan & Associates, Inc., June 23, 2004.
- CAS, 2004: Check Digit Verification of CAS Registry Numbers, <http://info.cas.org/EO/checkdig.html>, accessed September 2004.
- Chow, et al., 1999: Chow, J.C.; Watson, J.G.; Green, M.C.; Lowenthal, D.H.; DuBois, D.W.; Kohl, S.D.; Egami, R.T.; Gillies, J.A.; Rogers, C.F.; Frazier, C.A.; Cates, W., “Middle- and Neighborhood-Scale Variations of PM<sub>10</sub> Source Contributions in Las Vegas, Nevada”, *Journal of the Air & Waste Management Association*, 49:641-654, 1999.
- Chow, 2004: Chow, L., DRI, personal communication with the SPECIATE Workgroup, August 18, 2004.
- Clark, et al., 2002: *Gasoline-Diesel PM Split Study*, prepared by Nigel Clark *et al.* of West Virginia University for the National Renewable Energy Laboratory, September 2002.
- EPA, 2003: Source Sampling Fine Particulate Matter: A Kraft Process Recovery Boiler at a Pulp and Paper Facility, Volumes I and II, prepared by Eastern Research Group, Inc., Morrisville, NC, prepared for Air Pollution Prevention and Control Division, National Risk Management and Research Laboratory, Office of Research and Development, U.S. Environmental Protection Agency, Research Triangle Park, NC. EPA-600/R-03/099a, November 2003.
- ERG, 2001: *Source Sampling Fine Particulate Matter: Wood-fired Industrial Boiler*, prepared by Eastern Research Group, Inc., prepared for the US EPA, APPCD, EPA-600/R-01-106, December 2001.
- Hays, et al., 2002: Hays, M.D.; Geron, C.D.; Linna, K.J.; Smith, N.D.; Schauer, J.J., 2002, “Speciation of Gas-Phase and Fine Particle Emissions from Burning of Foliar Fuels” *Environmental Science & Technology*, vol. 36, no. 11, pp. 2281-2295, 2002.

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- Hays, et al., 2005: Hays, M.D.; Fine, P.M.; Geron, C.D.; Kleeman, M.J.; and Gullett, B.K. (2005) Open Burning of Agricultural Biomass: Physical and Chemical Properties of Particle-Phase Emissions. *Atmospheric Environment*, 39:6747-6764
- Houyoux, 2005: Houyoux, M., U.S. Environmental Protection Agency, Office of Air Quality Planning and Standards, Emission Inventory Group, SMOKE cross-reference tables, 2005.
- Hsu, 2003: “*Methodology for Speciation of Organic Gas Hot Soak Emissions - California Light-Duty Vehicles*,” prepared by Ying Hsu of the California Air Resources Board, July 23, 2003. <http://www.arb.ca.gov/ei/speciate/hotsoakspemeth.pdf>
- Huffman, et al., 2000: Huffman, G. P.; Huggins, F. E.; Shah, N.; Huggins, R.; Linak, W. P.; Miller, C. A.; Pugmire, R. J.; Meuzelaar, H. L. C.; Seehra, M. S.; Manivannan, A., “Characterization of Fine Particulate Matter Produced by Combustion of Residual Fuel Oil”, *Journal of Air & Waste Management Association*, 50:1106-1114, 2000.
- Jorgensen, et al., 1990: Jorgensen, A. D.; Picel, K.C.; Stamoudis, V.C., “Prediction of Gas Chromatography Flame Ionization Detector Response Factors from Molecular Structure”, *Analytical Chemistry*, 62, 683-689, 1990
- Kuhns, et al., 2004: *Lake Tahoe Source Characterization Study*, prepared by Kuhns *et al.* of DRI for Ying Hsu of California Air Resources Board, May 22, 2004
- Lewis, 2004: Lewis, C., EPA, personal communication (EPA internal data collection effort) with Ying Hsu, E.H. Pechan & Associates, Inc., June 29, 2004.
- Machemer, 2004: Machemer, S. “Characterization of Airborne and Bulk Particulate from Iron and Steel Manufacturing Facilities”, *Environmental Science & Technology*, 38,381-389, 2004.
- PES, 2003: *VOC Speciation Profiles from the Texas Natural Resource Conservation Commission 2000 Point Source Database*, prepared by Pacific Environmental Services under subcontract to Environ Corporation, prepared for Texas Natural Resource Conservation Commission (now Texas Commission on Environmental Quality), accessed November, 2003.  
<ftp://ftp.tnrcc.state.tx.us/pub/OEPAA/TAD/Modeling/HGAQSE/Modeling/EI/>
- Reff and Bhave, 2006: Reff, A. and Bhave, P.V., “Emissions Inventory of PM<sub>2.5</sub> Trace Elements across the U.S.,” Platform presentation to be given at AAAR International Aerosol Conference, St. Paul, MN, September 2006.
- Rogge, et al., 1993: *Determination of Key Organic Compounds Present in the PM Emissions from Air Pollution Sources*, prepared by Rogge, W.F.; Hildemann, L.M.; Mazurek, M.A.; Simoneit, B.R.T.; Cass, G.R., for the California Air Resource Board, contract number A932-127, June 1993.

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Scanlon, et al., 1985: Scanlon, J.T., and Willis, D.E., "Calculation of Flame Ionization Detector Relative Response Factors Using the Effective Carbon Number Concept, *Journal of Chromatography Science*, 23, 333-340, 1985

Schauer, et al., 1998: *Characterization and Control of Organic Compounds Emitted from Air Pollution Sources*, prepared by Schauer, J.J., Kleeman, M.J.; Cass, G.R.; Simoneit, B.R.T., prepared for the California Air Resources Board, contract number 93-329, April 1998.

Zweidinger, et al., 1990: Zweidinger, R.B.; Stevens, R.K.; Lewis, C.W.; Westberg, H.H., 1990, "Identification of Volatile Hydrocarbons as Mobile Source Tracers for Fine-particulate Organics", *Environmental Science and Technology*, 24, 538-542, 1990.

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**APPENDIX A. SUMMARY OF PROFILES CURRENTLY  
INCORPORATED INTO THE SPECIATE DATABASE**



**Table A-1. Summary of Gas Profiles Incorporated into the SPECIATE 4.0 Database**

Profile Number	Name	Data Origin	Keyword	Profile Type
0000	Over All Average	SPECIATE 3.2	OVERALL AVERAGE	Gas
0001	External Combustion Boiler - Residual Oil	SPECIATE 3.2	BOILER; EXTERNAL COMBUSTION BOILER; RESIDUAL OIL COMBUSTION	Gas
0002	External Combustion Boiler - Distillate Oil	SPECIATE 3.2	BOILER; EXTERNAL COMBUSTION BOILER; DISTILLATE OIL COMBUSTION	Gas
0003	External Combustion Boiler - Natural Gas	SPECIATE 3.2	BOILER; EXTERNAL COMBUSTION BOILER; NATURAL GAS COMBUSTION	Gas
0004	External Combustion Boiler - Refinery Gas	SPECIATE 3.2	BOILER; EXTERNAL COMBUSTION BOILER; REFINERY GAS COMBUSTION	Gas
0005	External Combustion Boiler - Coke Oven Gas	SPECIATE 3.2	BOILER; COKE OVEN GAS; EXTERNAL COMBUSTION BOILER	Gas
0007	Natural Gas Turbine	SPECIATE 3.2	NATURAL GAS COMBUSTION; TURBINE	Gas
0008	Reciprocating Diesel Engine	SPECIATE 3.2	DIESEL COMBUSTION	Gas
0009	Reciprocating Distillate Oil Engine	SPECIATE 3.2	DISTILLATE OIL COMBUSTION	Gas
0011	By Product Coke Oven Stack Gas	SPECIATE 3.2	COKE OVEN GAS	Gas
0012	Blast Furnace Ore Charging and Agglomerate Charging	SPECIATE 3.2	BLAST FURNACE; FURNACE	Gas
0013	Iron Sintering	SPECIATE 3.2	IRON; IRON SINTERING	Gas
0014	Open Hearth Furnace With Oxygen Lance	SPECIATE 3.2	OPEN HEARTH FURNACE; FURNACE	Gas
0016	Basic Oxygen Furnace	SPECIATE 3.2	BASIC OXYGEN FURNACE; FURNACE	Gas
0023	Asphalt Roofing - Spraying	SPECIATE 3.2	ASPHALT	Gas
0024	Asphalt Roofing Tar Kettle	SPECIATE 3.2	TAR KETTLE; ASPHALT ROOFING; ASPHALT	Gas
0025	Asphaltic Concrete - Natural Gas Rotary Dryer	SPECIATE 3.2	NATURAL GAS COMBUSTION; ROTARY DRYER; ASPHALTIC CONCRETE	Gas
0026	Asphaltic Concrete - In Place Road Asphalt	SPECIATE 3.2	ASPHALT; ROAD ASPHALT; ASPHALTIC CONCRETE	Gas
0029	Refinery Fluid Catalytic Cracker	SPECIATE 3.2	CATALYTIC CRACKER; PETROLEUM INDUSTRY; REFINERY; INDUSTRIAL	Gas
0031	Refinery Fugitive Emissions - Covered Drainage / Separation Pits	SPECIATE 3.2	REFINERY; PETROLEUM INDUSTRY; INDUSTRIAL	Gas
0035	Refinery Fugitive Emissions - Cooling Towers	SPECIATE 3.2	REFINERY; PETROLEUM INDUSTRY; INDUSTRIAL	Gas
0039	Refinery Fugitive Emissions - Compressor Seals - Refinery Gas	SPECIATE 3.2	REFINERY; PETROLEUM INDUSTRY; INDUSTRIAL	Gas
0047	Refinery Fugitive Emissions - Relief Valves - Liquefied Petroleum Gas	SPECIATE 3.2	PETROLEUM INDUSTRY; REFINERY; INDUSTRIAL	Gas
0051	Flares - Natural Gas	SPECIATE 3.2	FLARES; NATURAL GAS COMBUSTION	Gas
0066	Varnish Manufacturing - Bodying Oil	SPECIATE 3.2	BODYING OIL; VARNISH; COATING	Gas
0068	Manufacturing - Plastics - Polypropylene	SPECIATE 3.2	PLASTICS; POLYPROPYLENE	Gas
0072	Printing Ink - Cooking	SPECIATE 3.2	INK; GRAPHIC ARTS; COATING	Gas
0076	General Pesticides	SPECIATE 3.2	PESTICIDES	Gas
0078	Ethylene Dichloride - Direct Chlorination	SPECIATE 3.2	CHLORINATION; ETHYLENE DICHLORIDE	Gas
0079	Chemical Manufacturing - Flares	SPECIATE 3.2	CHEMICAL MANUFACTURING; FLARES	Gas
0085	Perchloroethylene - Dry Cleaning	SPECIATE 3.2	DRYCLEANING; PERCHLOROETHYLENE	Gas
0087	Degreasing - 1,1,1-Trichloroethane	SPECIATE 3.2	DEGREASING; TRICHLOROETHANE	Gas
0088	Degreasing - Trichlorofluoromethane (Freon 11)	SPECIATE 3.2	DEGREASING; FREON; TRICHLOROFLUOROMETHANE	Gas
0089	Degreasing - 1,1,2-Trichloroethane	SPECIATE 3.2	DEGREASING; TRICHLOROETHANE	Gas
0090	Degreasing - Toluene	SPECIATE 3.2	DEGREASING; TOLUENE	Gas
0100	Fixed Roof Tank - Commercial Jet Fuel (Jet A)	SPECIATE 3.2	JET FUEL	Gas
0121	Open Burning Dump - Landscape/Pruning	SPECIATE 3.2	OPEN BURNING; WOOD COMBUSTION	Gas
0122	Bar Screen Waste Incinerator	SPECIATE 3.2	INCINERATOR	Gas
0127	Surface Coating - Varnish/Shellac	SPECIATE 3.2	COATING; VARNISH/SHELLAC	Gas
0166	Printing Press - Letterpress Inking Process	SPECIATE 3.2	INK; LETTERPRESS; PRINTING PRESS; PRINTING; GRAPHIC ARTS	Gas
0182	Printing Press - Gravure General Solvent	SPECIATE 3.2	GRAPHIC ARTS; GRAVURE; PRINTING PRESS; PRINTING; SOLVENT	Gas
0183	Printing Press - Gravure Printing Solvent	SPECIATE 3.2	GRAVURE; PRINTING PRESS; PRINTING; SOLVENT; GRAPHIC ARTS	Gas
0195	Residential Fuel - Natural Gas	SPECIATE 3.2	NATURAL GAS COMBUSTION; RESIDENTIAL	Gas
0197	Solvent Use - Domestic Solvents	SPECIATE 3.2	SOLVENT; CONSUMER PRODUCTS	Gas

Profile Number	Name	Data Origin	Keyword	Profile Type
0202	Solid Waste Landfill Site - Class II	SPECIATE 3.2	LANDFILL; SOLID WASTE	Gas
0203	Solid Waste - Animal Waste Decomposition	SPECIATE 3.2	ANIMAL WASTE; SOLID WASTE	Gas
0217	Coke Oven Blast Furnace Gas	SPECIATE 3.2	COKE OVEN GAS; BLAST FURNACE; FURNACE	Gas
0219	Surface Coating Paint Solvent - Acetone	SPECIATE 3.2	ACETONE; COATING; PAINT; SOLVENT	Gas
0220	Paint Solvent - Ethyl Acetate	SPECIATE 3.2	ETHYL ACETATE; COATING; PAINT; SOLVENT	Gas
0221	Paint Solvent - Methyl Ethyl Ketone	SPECIATE 3.2	MEK; METHYL ETHYL KETONE; PAINT; SOLVENT; COATING	Gas
0222	Surface Coating - Enamel Cellosolve Acetate	SPECIATE 3.2	ENAMEL; COATING; CELLOSOLVE ACETATE	Gas
0223	Surface Coating - Varnish/Shellac Solvent - Xylene	SPECIATE 3.2	COATING; SOLVENT; VARNISH/SHELLAC; XYLENE	Gas
0225	Surface Coating - Primer - Mineral Spirits	SPECIATE 3.2	COATING; MINERAL SPIRITS; PRIMER	Gas
0226	Surface Coating Solvent - Ethyl Alcohol	SPECIATE 3.2	ETHYL ALCOHOL; COATING; SOLVENT	Gas
0227	Surface Coating Solvent - Isopropyl Alcohol	SPECIATE 3.2	COATING; ISOPROPYL ALCOHOL; SOLVENT	Gas
0228	Surface Coating Solvent - Isopropyl Acetate	SPECIATE 3.2	COATING; ISOPROPYL ACETATE; SOLVENT	Gas
0229	Surface Coating Solvent - Lactol Spirits	SPECIATE 3.2	COATING; LACTOL SPIRITS; SOLVENT	Gas
0230	Fixed Roof Tank - Hexane	SPECIATE 3.2	HEXANE	Gas
0271	Degreasing - Trichloroethylene	SPECIATE 3.2	DEGREASING; TRICHLOROETHYLENE	Gas
0272	Automotive Tires - Tuber Adhesive	SPECIATE 3.2	ADHESIVE; TIRE	Gas
0273	Automotive Tires - Tuber Adhesive White Sidewall	SPECIATE 3.2	ADHESIVE; TIRE	Gas
0274	Automobile Tire Production	SPECIATE 3.2	TIRE	Gas
0275	Degreasing - Dichloromethane	SPECIATE 3.2	DEGREASING; DICHLOROMETHANE	Gas
0277	Degreasing - Trichlorotrifluoroethane (Freon 113)	SPECIATE 3.2	DEGREASING; FREON; TRICHLOROTRIFLUOROETHANE	Gas
0282	Surface Coating Primer - Naptha	SPECIATE 3.2	COATING; NAPHTHA; PRIMER	Gas
0288	Surface Coating Solvent - Butyl Acetate	SPECIATE 3.2	BUTYL ACETATE; COATING; SOLVENT	Gas
0289	Surface Coating Solvent - Butyl Alcohol	SPECIATE 3.2	BUTYL ALCOHOL; COATING; SOLVENT	Gas
0290	Surface Coating Solvent - Cellosolve	SPECIATE 3.2	CELLOSOLVE; COATING; SOLVENT	Gas
0291	Surface Coating Solvent - Methyl Alcohol	SPECIATE 3.2	COATING; METHANOL; SOLVENT	Gas
0292	Surface Coating Solvent - Dimethylformamide	SPECIATE 3.2	COATING; DIMETHYLFORMAMIDE; SOLVENT; SURFACE COATING	Gas
0296	Fixed Roof Tank - Crude Oil Production	SPECIATE 3.2	CRUDE OIL; PETROLEUM INDUSTRY; REFINERY; INDUSTRIAL	Gas
0297	Fixed Roof Tank - Crude Oil Refinery	SPECIATE 3.2	CRUDE OIL; PETROLEUM INDUSTRY; REFINERY; INDUSTRIAL	Gas
0299	Fixed Roof Tank - Cyclohexane	SPECIATE 3.2	CYCLOHEXANE	Gas
0301	Fixed Roof Tank - Heptane	SPECIATE 3.2	HEPTANE	Gas
0304	Printing Press - Flexographic, N-Propyl Alcohol	SPECIATE 3.2	FLEXOGRAPHIC; PRINTING PRESS; PRINTING; PROPYL ALCOHOL; GRAPHIC ARTS	Gas
0305	Fixed Roof Tank - Crude Oil Marine Terminal	SPECIATE 3.2	CRUDE OIL; PETROLEUM INDUSTRY; INDUSTRIAL	Gas
0307	Miscellaneous Burning - Forest Fires	SPECIATE 3.2	FOREST FIRES; WOOD COMBUSTION	Gas
0316	Pipe/Valve Flanges	SPECIATE 3.2	EQUIPMENT LEAKS; LEAKS	Gas
0321	Pump Seals - Composite	SPECIATE 3.2	EQUIPMENT LEAKS; LEAKS	Gas
0332	Printing Press - Lithography Inking and Drying	SPECIATE 3.2	INK; LITHOGRAPHY; PRINTING PRESS; PRINTING; GRAPHIC ARTS	Gas
0333	Lithography - Inking and Drying-Direct Fired Dryer	SPECIATE 3.2	INK; LITHOGRAPHY; PRINTING; GRAPHIC ARTS	Gas
1001	Internal Combustion Engine - Natural Gas	SPECIATE 3.2	NATURAL GAS COMBUSTION	Gas
1002	Chemical Manufacturing - Carbon Black Production	SPECIATE 3.2	CARBON BLACK; CHEMICAL MANUFACTURING	Gas
1003	Surface Coating Operations - Coating Application -Solvent-Base Paint	SPECIATE 3.2	COATING; PAINT	Gas
1004	Plastics Production - Polystyrene	SPECIATE 3.2	POLYSTYRENE; PLASTICS	Gas
1005	Plastics Production - Polyester Resins	SPECIATE 3.2	POLYESTER RESIN; PLASTICS	Gas
1006	Phthalic Anhydride - O-Xylene Oxidation - Main Process Stream	SPECIATE 3.2	PHTHALIC ANHYDRIDE; XYLENE	Gas
1007	Mineral Products - Asphaltic Concrete	SPECIATE 3.2	MINERAL PRODUCTS; ASPHALTIC CONCRETE; ASPHALT	Gas
1008	Rubber and Miscellaneous Plastics Products - Fabricated Rubber Products - Styrene/Butadiene, Rubber	SPECIATE 3.2	RUBBER; STYRENE/BUTADIENE; PLASTICS	Gas
1009	Plastics Production - Acrylonitrile-Butadiene-Styrene Resin	SPECIATE 3.2	ACRYLONITRILE BUTADIENE STYRENE; PLASTICS	Gas

Profile Number	Name	Data Origin	Keyword	Profile Type
1010	Oil and Gas Production - Fugitives - Unclassified	SPECIATE 3.2	PETROLEUM INDUSTRY; INDUSTRIAL	Gas
1011	Oil and Gas Production - Fugitives - Valves and Fittings - Liquid Service	SPECIATE 3.2	PETROLEUM INDUSTRY; INDUSTRIAL	Gas
1012	Oil and Gas Production - Fugitives - Valves and Fittings - Gas Service	SPECIATE 3.2	INDUSTRIAL; PETROLEUM INDUSTRY	Gas
1013	Surface Coating Operations - Coating Application - Water-Base Paint	SPECIATE 3.2	COATING; PAINT	Gas
1014	Gasoline - Summer Blend	SPECIATE 3.2	GASOLINE; GASOLINE - SUMMER	Gas
1015	Gasoline - Winter Blend	SPECIATE 3.2	GASOLINE; GASOLINE - WINTER	Gas
1016	Surface Coating Operations - Thinning Solvents - Composite	SPECIATE 3.2	COATING; SOLVENT	Gas
1017	Surface Coating Operations - Coating Application - Lacquer	SPECIATE 3.2	COATING; LACQUER	Gas
1018	Surface Coating Operations - Coating Application - Enamel	SPECIATE 3.2	ENAMEL; COATING	Gas
1019	Surface Coating Operations - Coating Application - Primer	SPECIATE 3.2	COATING; PRIMER	Gas
1020	Surface Coating Operations - Coating Application - Adhesives	SPECIATE 3.2	ADHESIVE; COATING	Gas
1021	Degreasing - Open Top - Chlorosolve	SPECIATE 3.2	CHLOROSOLVE; DEGREASING	Gas
1022	Printing/Publishing - Ink Thinning Solvents - Methyl Isobutyl Ketone	SPECIATE 3.2	INK; GRAPHIC ARTS; METHYL ISOBUTYL KETONE; PRINTING; SOLVENT	Gas
1023	Terephthalic Acid/Dimethyl Terephthalate Crystallization, Separation and Drying Vent	SPECIATE 3.2	TEREPHTHALIC ACID; DIMETHYL TEREPHTHALATE	Gas
1024	Terephthalic Acid/Dimethyl Terephthalate Distillation and Recovery Vent	SPECIATE 3.2	TEREPHTHALIC ACID; DIMETHYL TEREPHTHALATE	Gas
1025	Terephthalic Acid/Dimethyl Terephthalate Product Transfer Vent	SPECIATE 3.2	TEREPHTHALIC ACID; DIMETHYL TEREPHTHALATE	Gas
1026	Surface Coating Operations - Thinning Solvent - Hexylene Glycol	SPECIATE 3.2	COATING; HEXYLENE GLYCOL; SOLVENT	Gas
1027	Ketone Production - Methyl Ethyl Ketone (MEK)	SPECIATE 3.2	KETONES; MEK; METHYL ETHYL KETONE	Gas
1028	Acetone - Light Ends Distillation Vent	SPECIATE 3.2	ACETONE	Gas
1029	Acetone - Acetone Finishing Column	SPECIATE 3.2	ACETONE	Gas
1030	Aldehydes Production - Formaldehyde - Absorber Vent	SPECIATE 3.2	ALDEHYDES; FORMALDEHYDE	Gas
1031	Surface Coating Operations - Thinning Solvent - Ethylene Oxide	SPECIATE 3.2	COATING; ETHYLENE OXIDE; SOLVENT	Gas
1032	Aldehydes Production - Acrolein - Distillation System	SPECIATE 3.2	ACROLEIN; ALDEHYDES	Gas
1033	Aldehydes Production - Acrolein - Reactor Blowoff Gas	SPECIATE 3.2	ACROLEIN; ALDEHYDES	Gas
1034	Chloroprene - Butadiene Dryer	SPECIATE 3.2	CHLOROPRENE; BUTADIENE; CHEMICAL MANUFACTURING	Gas
1035	Chloroprene - Chloroprene Stripper and Brine Stripper	SPECIATE 3.2	CHLOROPRENE; CHEMICAL MANUFACTURING	Gas
1036	Secondary Aluminum - Pouring and Casting	SPECIATE 3.2	ALUMINUM; SECONDARY ALUMINUM; METALLURGICAL PROCESS	Gas
1037	Organohalogens - Ethylene Dichloride - Ethylene Dichloride Via Direct Chlorination - Distillation Vents	SPECIATE 3.2	DIRECT CHLORINATION; ETHYLENE DICHLORIDE; ORGANOHALOGENS; CHEMICAL MANUFACTURING	Gas
1038	Organohalogens Production - Ethylene Dichloride - Ethylene Dichloride Via Oxychlorination	SPECIATE 3.2	ETHYLENE DICHLORIDE; ORGANOHALOGENS; OXYCHLORINATION; CHEMICAL MANUFACTURING	Gas
1039	Organohalogens Production - Ethylene Dichloride - Caustic Scrubber	SPECIATE 3.2	ETHYLENE DICHLORIDE; ORGANOHALOGENS; CHEMICAL MANUFACTURING	Gas
1040	Fluorocarbons/Chlorofluorocarbons - General	SPECIATE 3.2	CHLOROFLUOROCARBONS; FLUOROCARBON; CHEMICAL MANUFACTURING	Gas
1041	Fluorocarbons/Chlorofluorocarbons - Distillation Column	SPECIATE 3.2	CHLOROFLUOROCARBONS; FLUOROCARBON; CHEMICAL MANUFACTURING	Gas
1042	Fluorocarbons/Chlorofluorocarbons - Fugitive Emissions - General	SPECIATE 3.2	CHLOROFLUOROCARBONS; FLUOROCARBON; CHEMICAL MANUFACTURING	Gas
1043	Acrylic Acid - Quench Absorber	SPECIATE 3.2	CHEMICAL MANUFACTURING; ACRYLIC ACID	Gas
1044	Organic Acids Production - Formic Acid	SPECIATE 3.2	FORMIC ACID; ORGANIC ACIDS; CHEMICAL MANUFACTURING	Gas
1045	Organic Acids Production - Acetic Anhydride - Distillation Column Vent	SPECIATE 3.2	ACETIC ANHYDRIDE; CHEMICAL MANUFACTURING; ORGANIC ACIDS	Gas
1046	Esters Production - Acrylates - Ethyl Acrylate	SPECIATE 3.2	ESTERS; ETHYL ACRYLATE; CHEMICAL MANUFACTURING	Gas
1047	Esters Production - Butyl Acrylate	SPECIATE 3.2	BUTYL ACRYLATE; ESTERS; CHEMICAL MANUFACTURING	Gas
1048	Cumene Production - Cumene Distillation System Vent	SPECIATE 3.2	CUMENE; CHEMICAL MANUFACTURING	Gas
1049	Cyclohexane - General	SPECIATE 3.2	CYCLOHEXANE; CHEMICAL MANUFACTURING	Gas
1050	Cyclohexanone/Cyclohexanol - Phenol Hydrogenation Process - Distillation Vent	SPECIATE 3.2	CYCLOHEXANOL; CYCLOHEXANONE; PHENOL HYDROGENATION; CHEMICAL MANUFACTURING	Gas
1051	Vinyl Acetate - Inert Gas Purge Vent	SPECIATE 3.2	CHEMICAL MANUFACTURING; VINYL ACETATE	Gas
1052	Vinyl Acetate - CO2 Purge Vent	SPECIATE 3.2	CHEMICAL MANUFACTURING; VINYL ACETATE	Gas
1053	Vinyl Acetate - Inhibitor Mix Tank Discharge	SPECIATE 3.2	VINYL ACETATE; CHEMICAL MANUFACTURING	Gas

Profile Number	Name	Data Origin	Keyword	Profile Type
1054	Vinyl Acetate - Refining Column Vent	SPECIATE 3.2	CHEMICAL MANUFACTURING; VINYL ACETATE	Gas
1055	Organic Chemical Storage - Methylamyl Ketone	SPECIATE 3.2	METHYLAMYL KETONE	Gas
1056	Ethylene Oxide - Oxygen Oxidation Process Reactor - CO2 Purge Vent	SPECIATE 3.2	ETHYLENE OXIDE; CHEMICAL MANUFACTURING	Gas
1057	Ethylene Oxide - Oxygen Oxidation Process Reactor - Argon Purge Vent	SPECIATE 3.2	ETHYLENE OXIDE; CHEMICAL MANUFACTURING	Gas
1058	Ethylene Oxide - Stripper Purge Vent	SPECIATE 3.2	ETHYLENE OXIDE; CHEMICAL MANUFACTURING	Gas
1059	Methyl Methacrylate (MMA) - Hydrolysis Reactor, MMA and Light Ends Distillation Unit	SPECIATE 3.2	CHEMICAL MANUFACTURING; HYDROLYSIS; METHYL METHACRYLATE; MMA	Gas
1060	Methyl Methacrylate (MMA) - Acid Distillation and MMA Purification	SPECIATE 3.2	METHYL METHACRYLATE; MMA; CHEMICAL MANUFACTURING	Gas
1061	Nitrobenzene - Reactor and Separator Vent - Washer and Neutralizer Vent	SPECIATE 3.2	NITROBENZENE; CHEMICAL MANUFACTURING	Gas
1062	Benzene	SPECIATE 3.2	BENZENE; CHEMICAL MANUFACTURING	Gas
1064	Olefins Production - Ethylene - Compressor Lube Oil Vent	SPECIATE 3.2	CHEMICAL MANUFACTURING; ETHYLENE; OLEFINS	Gas
1065	Propylene Oxide - Chlorohydrination Process - General	SPECIATE 3.2	CHLOROHYDRINATION; CHEMICAL MANUFACTURING; PROPYLENE OXIDE	Gas
1066	Styrene - General	SPECIATE 3.2	STYRENE	Gas
1067	Styrene - Benzene Recycle	SPECIATE 3.2	BENZENE; STYRENE; CHEMICAL MANUFACTURING	Gas
1068	Styrene - Styrene Purification	SPECIATE 3.2	STYRENE; CHEMICAL MANUFACTURING	Gas
1069	Organic Chemical Storage - N-Propyl Acetate	SPECIATE 3.2	CHEMICAL MANUFACTURING; PROPYL ACETATE	Gas
1070	Alcohols Production - Methanol - Purge Gas Vent	SPECIATE 3.2	ALCOHOLS; METHANOL; CHEMICAL MANUFACTURING	Gas
1071	Alcohols Production - Methanol - Distillation Vent	SPECIATE 3.2	ALCOHOLS; METHANOL; CHEMICAL MANUFACTURING	Gas
1072	Chlorobenzene - Tail Gas Scrubber	SPECIATE 3.2	CHLOROBENZENE; CHEMICAL MANUFACTURING	Gas
1073	Chlorobenzene - Benzene Drying Distillation	SPECIATE 3.2	CHLOROBENZENE; CHEMICAL MANUFACTURING; BENZENE	Gas
1074	Monochlorobenzene	SPECIATE 3.2	CHLOROBENZENE; CHEMICAL MANUFACTURING	Gas
1075	Chlorobenzene - Vacuum System Vent	SPECIATE 3.2	CHLOROBENZENE; CHEMICAL MANUFACTURING	Gas
1076	Chlorobenzene - Dichlorobenzene Crystallization	SPECIATE 3.2	CHLOROBENZENE; DICHLOROBENZENE; CHEMICAL MANUFACTURING	Gas
1077	Chlorobenzene - Dichlorobenzene Crystal Handling / Loading	SPECIATE 3.2	CHLOROBENZENE; CHEMICAL MANUFACTURING; DICHLOROBENZENE	Gas
1078	Railcar Cleaning - Low Vapor Pressure, High Viscosity Cargo (Ethylene Glycol)	SPECIATE 3.2	ETHYLENE GLYCOL; RAILCAR CLEANING	Gas
1079	Rail Car Cleaning - Low Vapor Pressure, Medium Viscosity Cargo (O-Dichlorobenzene)	SPECIATE 3.2	DICHLOROBENZENE; RAILCAR CLEANING	Gas
1080	Rail Car Cleaning - Low Vapor Pressure, High Viscosity Cargo (Creosote)	SPECIATE 3.2	CREOSOTE; RAILCAR CLEANING	Gas
1081	Tank Truck Cleaning - Medium Vapor Pressure, Medium Viscosity Cargo (Methyl Methacrylate)	SPECIATE 3.2	TANK TRUCK CLEANING; METHYL METHACRYLATE; MMA	Gas
1082	Tank Truck Cleaning - Low Vapor Pressure, Low Viscosity Cargo (Phenol)	SPECIATE 3.2	PHENOL; TANK TRUCK CLEANING	Gas
1083	Tank Truck Cleaning - Low Vapor Pressure, High Viscosity Cargo (Propylene Glycol)	SPECIATE 3.2	PROPYLENE GLYCOL; TANK TRUCK CLEANING	Gas
1084	Residential Wood Combustion (C-1 - C-6)	SPECIATE 3.2	WOOD COMBUSTION; RESIDENTIAL	Gas
1085	External Combustion Boiler - Coal-Slurry Fired	SPECIATE 3.2	BOILER; EXTERNAL COMBUSTION BOILER; COAL COMBUSTION	Gas
1086	Printing/Flexographic	SPECIATE 3.2	FLEXOGRAPHIC; PRINTING; GRAPHIC ARTS	Gas
1087	Organic Chemical Storage - i-Butyl, i-Butyrate	SPECIATE 3.2	BUTYRATE; BUTYL	Gas
1088	Surface Coating Operations - Adhesive Application	SPECIATE 3.2	ADHESIVE; COATING	Gas
1089	Secondary Metal Production - Gray Iron Foundries - Pouring/Casting	SPECIATE 3.2	FOUNDRIES; GRAY IRON; IRON; METALLURGICAL PROCESS; SECONDARY METAL	Gas
1090	Fluorocarbon Manufacturing - CF 12/11	SPECIATE 3.2	FLUOROCARBON; CHEMICAL MANUFACTURING; CHLOROFLUOROCARBONS	Gas
1091	Plastics Production - Polyvinyl Chlorides and Copolymers	SPECIATE 3.2	POLYVINYL CHLORIDES; PLASTICS	Gas
1092	Synthetic Organic Fiber Production - Nylon Batch Production Process	SPECIATE 3.2	ORGANIC FIBER; SYNTHETIC ORGANIC FIBER; NYLON	Gas
1093	Fluorocarbon Manufacturing - CF 23/22	SPECIATE 3.2	FLUOROCARBON; CHLOROFLUOROCARBONS	Gas
1094	Paint Manufacture - Blending Kettle	SPECIATE 3.2	COATING; PAINT	Gas
1095	Textile Products - General Fabric Operations - Dyeing and Curing	SPECIATE 3.2	DYEING AND CURING; TEXTILE	Gas
1096	Textile Products - General Fabric Operations - Tenter Frame	SPECIATE 3.2	TENTER FRAME; TEXTILE	Gas
1097	Aircraft Landing/Takeoff (LTO) - Military	SPECIATE 3.2	AIRCRAFT; LANDING/TAKEOFF; LTO	Gas
1098	Aircraft Landing/Takeoff (LTO) - Commercial	SPECIATE 3.2	AIRCRAFT; LANDING/TAKEOFF; LTO	Gas
1099	Aircraft Landing/Takeoff (LTO) - General Aviation	SPECIATE 3.2	AIRCRAFT; LANDING/TAKEOFF; LTO	Gas
1100	Refueling	SPECIATE 3.2	REFUELING; GASOLINE; GASOLINE MARKETING	Gas

Profile Number	Name	Data Origin	Keyword	Profile Type
1101	Light Duty Gasoline Vehicles - 46 Car Study	SPECIATE 3.2	GASOLINE COMBUSTION; VEHICLES	Gas
1103	1-Pentene	SPECIATE 3.2	PENTENE	Gas
1104	Acetaldehyde	SPECIATE 3.2	ACETALDEHYDE	Gas
1105	Acetic Acid	SPECIATE 3.2	ACETIC ACID	Gas
1106	Acetic Anhydride	SPECIATE 3.2	ACETIC ANHYDRIDE	Gas
1107	Acrolein	SPECIATE 3.2	ACROLEIN	Gas
1108	Acrylic Acid	SPECIATE 3.2	ACRYLIC ACID	Gas
1109	Acrylonitrile	SPECIATE 3.2	ACRYLONITRILE	Gas
1110	Adipic Acid	SPECIATE 3.2	ADIPIC ACID	Gas
1111	Aniline	SPECIATE 3.2	ANILINE	Gas
1112	Benzyl Chloride	SPECIATE 3.2	BENZYL CHLORIDE	Gas
1114	Butyl Acrylate	SPECIATE 3.2	BUTYL ACRYLATE	Gas
1115	Butyl Carbitol	SPECIATE 3.2	BUTYL CARBITOL	Gas
1116	Butyl Cellosolve	SPECIATE 3.2	BUTYL CELLOSOLVE	Gas
1118	Carbitol	SPECIATE 3.2	CARBITOL	Gas
1119	Carbon Tetrachloride	SPECIATE 3.2	CARBON TETRACHLORIDE	Gas
1120	Acetylene	SPECIATE 3.2	ACETYLENE	Gas
1121	Chloroform	SPECIATE 3.2	CHLOROFORM	Gas
1122	Cresol	SPECIATE 3.2	CRESOL	Gas
1123	Cumene	SPECIATE 3.2	CUMENE	Gas
1124	Cyclohexanol	SPECIATE 3.2	CYCLOHEXANOL	Gas
1125	Cyclohexanone	SPECIATE 3.2	CYCLOHEXANONE	Gas
1126	Cyclopentene	SPECIATE 3.2	CYCLOPENTENE	Gas
1127	Diethylene Glycol	SPECIATE 3.2	DIETHYLENE GLYCOL	Gas
1128	Diisopropyl Benzene	SPECIATE 3.2	DIISOPROPYL BENZENE	Gas
1129	Dipropylene Glycol	SPECIATE 3.2	DIPROPYLENE GLYCOL	Gas
1130	Dodecene	SPECIATE 3.2	DODECENE	Gas
1131	Epichlorohydrin	SPECIATE 3.2	EPICHLOROHYDRIN	Gas
1132	Ethanolamines	SPECIATE 3.2	ETHANOLAMINES	Gas
1134	Ethyl Acrylate	SPECIATE 3.2	ETHYL ACRYLATE	Gas
1135	Ethyl Benzene	SPECIATE 3.2	ETHYL BENZENE	Gas
1136	Ethyl Ether	SPECIATE 3.2	ETHYL ETHER	Gas
1137	Ethyl Mercaptan	SPECIATE 3.2	ETHYL MERCAPTAN	Gas
1138	Ethylene Dibromide	SPECIATE 3.2	ETHYLENE DIBROMIDE	Gas
1139	Ethyleneamines	SPECIATE 3.2	ETHYLENEAMINES	Gas
1140	Formaldehyde	SPECIATE 3.2	FORMALDEHYDE	Gas
1141	Formic Acid	SPECIATE 3.2	FORMIC ACID	Gas
1142	Furfural	SPECIATE 3.2	FURFURAL	Gas
1144	Heptenes	SPECIATE 3.2	HEPTENES	Gas
1145	Isobutyraldehyde	SPECIATE 3.2	ISOBUTYRALDEHYDE	Gas
1146	Isobutyl Acrylate	SPECIATE 3.2	ISOBUTYL ACETATE	Gas
1147	Isobutyl Alcohol	SPECIATE 3.2	ISOBUTYL ALCOHOL	Gas
1148	Isoprene	SPECIATE 3.2	ISOPRENE	Gas
1149	Methanol	SPECIATE 3.2	METHANOL	Gas
1150	Methyl Acetate	SPECIATE 3.2	METHYL ACETATE	Gas
1151	Methyl Acrylate	SPECIATE 3.2	METHYL ACRYLATE	Gas
1152	Methyl Carbitol	SPECIATE 3.2	METHYL CARBITOL	Gas

Profile Number	Name	Data Origin	Keyword	Profile Type
1153	Methyl Cellosolve	SPECIATE 3.2	METHYL CELLOSOLVE	Gas
1154	Methyl Styrene	SPECIATE 3.2	METHYL STYRENE	Gas
1155	Methylallene	SPECIATE 3.2	METHYLLALLENE	Gas
1158	Methyl T-Butyl Ether	SPECIATE 3.2	METHYL T-BUTYL ETHER	Gas
1159	m-Xylene	SPECIATE 3.2	XYLENE	Gas
1160	Nitrobenzene	SPECIATE 3.2	NITROBENZENE	Gas
1162	n-Butraldehyde	SPECIATE 3.2	BUTRALDEHYDE	Gas
1163	n-Decane	SPECIATE 3.2	DECANE	Gas
1164	n-Dodecane	SPECIATE 3.2	DODECANE	Gas
1165	o-Xylene	SPECIATE 3.2	XYLENE	Gas
1166	Pentadecane	SPECIATE 3.2	PENTADECANE	Gas
1167	Residential Wood Combustion	SPECIATE 3.2	RESIDENTIAL; WOOD COMBUSTION	Gas
1168	Piperylene	SPECIATE 3.2	PIPERYLENE	Gas
1171	Propionaldehyde	SPECIATE 3.2	PROPIONALDEHYDE	Gas
1172	Propionic Acid	SPECIATE 3.2	PROPIONIC ACID	Gas
1173	Propylene Oxide	SPECIATE 3.2	PROPYLENE OXIDE	Gas
1174	p-Xylene	SPECIATE 3.2	XYLENE	Gas
1175	Tert- Butyl Alcohol	SPECIATE 3.2	BUTYL ALCOHOL	Gas
1176	Toluene Diisocyanate	SPECIATE 3.2	TOLUENE DIISOCYANATE	Gas
1178	Coal-Fired Boiler - Electric Generation	SPECIATE 3.2	BOILER; ELECTRIC GENERATION; UTILITY; COAL COMBUSTION	Gas
1185	Coal-Fired Boiler - Industrial	SPECIATE 3.2	BOILER; INDUSTRIAL; COAL COMBUSTION	Gas
1186	Heavy Duty Gasoline Trucks	SPECIATE 3.2	GASOLINE COMBUSTION; VEHICLES	Gas
1187	Citrus Coating	SPECIATE 3.2	CITRUS COATING; COATING	Gas
1188	Fermentation Processes	SPECIATE 3.2	FERMENTATION	Gas
1189	Pulp and Paper Industry - Plywood Veneer Dryer	SPECIATE 3.2	PULP AND PAPER; PLYWOOD; INDUSTRIAL	Gas
1190	Gasoline Marketed - Summer Blend - 1984	SPECIATE 3.2	GASOLINE; GASOLINE MARKETING	Gas
1191	Graphic Arts - (Printing)	SPECIATE 3.2	GRAPHIC ARTS; PRINTING	Gas
1192	Degreasing	SPECIATE 3.2	DEGREASING	Gas
1193	Dry cleaning	SPECIATE 3.2	DRYCLEANING	Gas
1194	Autobody Repair	SPECIATE 3.2	AUTOBODY REPAIR; COATING	Gas
1195	Degreasing - Composite	SPECIATE 3.2	DEGREASING	Gas
1196	Drycleaning - Composite	SPECIATE 3.2	DRYCLEANING	Gas
1197	Isooctane	SPECIATE 3.2	ISOOCTANE	Gas
1198	Pentane	SPECIATE 3.2	PENTANE	Gas
1199	Isopentane	SPECIATE 3.2	ISOPENTANE	Gas
1200	Cyclopentane	SPECIATE 3.2	CYCLOPENTANE	Gas
1201	Light-Duty Diesel Vehicles	SPECIATE 3.2	DIESEL COMBUSTION; VEHICLES	Gas
1202	Primary Aluminum Production	SPECIATE 3.2	ALUMINUM; PRIMARY ALUMINUM; METALLURGICAL PROCESS	Gas
1203	Light-Duty Gasoline Vehicles - Exhaust	SPECIATE 3.2	GASOLINE COMBUSTION; VEHICLES	Gas
1204	Light-Duty Gasoline Vehicles - Evaporative	SPECIATE 3.2	GASOLINE; VEHICLES; GASOLINE EVAPORATIVE	Gas
1205	Crude Oil Production - Well Heads (Water Flood)	SPECIATE 3.2	INDUSTRIAL; CRUDE OIL; PETROLEUM INDUSTRY	Gas
1206	Crude Oil Production - Well Heads (Water Flood)	SPECIATE 3.2	CRUDE OIL; PETROLEUM INDUSTRY; INDUSTRIAL	Gas
1207	Well Heads (Water Flood) Composite	SPECIATE 3.2	PETROLEUM INDUSTRY; CRUDE OIL; INDUSTRIAL	Gas
1208	Crude Oil Production - Gathering Tanks	SPECIATE 3.2	CRUDE OIL; PETROLEUM INDUSTRY; INDUSTRIAL	Gas
1209	Oilfield Pipeline Tanks	SPECIATE 3.2	CRUDE OIL; PETROLEUM INDUSTRY; INDUSTRIAL	Gas
1210	Pipeline Terminal Tanks	SPECIATE 3.2	CRUDE OIL; PETROLEUM INDUSTRY; INDUSTRIAL	Gas
1211	Refinery Crude Oil Storage Tanks	SPECIATE 3.2	REFINERY; CRUDE OIL; PETROLEUM INDUSTRY; INDUSTRIAL	Gas

Profile Number	Name	Data Origin	Keyword	Profile Type
1212	Crude Oil Production - Well Heads (Gas Drive)	SPECIATE 3.2	INDUSTRIAL; CRUDE OIL; PETROLEUM INDUSTRY	Gas
1213	Composite of 6 Engines Burning JP-4 Fuel at 100 % Power	SPECIATE 3.2	JET FUEL; JP-4; AIRCRAFT	Gas
1214	Composite of 6 Engines Burning JP-4 Fuel at 75 % Power	SPECIATE 3.2	AIRCRAFT; JET FUEL; JP-4	Gas
1215	Composite of 6 Engines Burning JP-4 Fuel at 30 % Power	SPECIATE 3.2	JET FUEL; AIRCRAFT; JP-4	Gas
1216	Composite of 6 Engines Burning JP-4 Fuel Across All Powers	SPECIATE 3.2	JET FUEL; AIRCRAFT; JP-4	Gas
1217	Composite of 6 Engines Burning JP-4 Fuel at Idle Power	SPECIATE 3.2	JET FUEL; JP-4; AIRCRAFT	Gas
1218	Composite - TF-39 Engine Burning JP-5 Fuel Across All Powers	SPECIATE 3.2	JET FUEL; AIRCRAFT; JP-5	Gas
1219	Composite - CTM-56 Engine Burning JP-5 Fuel Across All Powers	SPECIATE 3.2	JET FUEL; AIRCRAFT; JP-5	Gas
1220	Composite - J79 Engine Burning JP-4 Fuel Across All Powers	SPECIATE 3.2	JET FUEL; AIRCRAFT; JP-4	Gas
1221	Composite - TF33-P3 Engine Burning JP-4 Fuel Across Powers	SPECIATE 3.2	JET FUEL; AIRCRAFT; JP-4	Gas
1222	Composite - TF33-P7 Engine Burning JP-4 Fuel Across Power	SPECIATE 3.2	JET FUEL; AIRCRAFT; JP-4	Gas
1223	Composite - J79 Engine Burning JP-4 Fuel Across Powers	SPECIATE 3.2	JET FUEL; AIRCRAFT; JP-4	Gas
1224	Composite - CFM-56 Engine Burning 3 Fuels at Idle Power	SPECIATE 3.2	JET FUEL; AIRCRAFT	Gas
1225	Composite - TF-39 Engine Burning 3 Fuels at Idle Power	SPECIATE 3.2	JET FUEL; AIRCRAFT	Gas
1226	Composite - CFM-56 Engine Burning 3 Fuels Across All Powers	SPECIATE 3.2	JET FUEL; AIRCRAFT	Gas
1227	Composite - TF-39 Engine Burning 3 Fuels Across All Powers	SPECIATE 3.2	JET FUEL; AIRCRAFT	Gas
1301	10% Ethanol Composite (Hot Soak + Diurnal) Evaporative	SPECIATE 3.2	ETHANOL; GASOLINE; ETHANOL GASOLINE; VEHICLES; GASOLINE EVAPORATIVE	Gas
1302	10% Ethanol Diurnal	SPECIATE 3.2	ETHANOL; GASOLINE; ETHANOL GASOLINE; VEHICLES; DIURNAL	Gas
1303	10% Ethanol Hot Soak	SPECIATE 3.2	ETHANOL; GASOLINE; HOT SOAK; ETHANOL GASOLINE; VEHICLES	Gas
1304	10% Ethanol Running Loss	SPECIATE 3.2	ETHANOL; GASOLINE; ETHANOL GASOLINE; RUNNING LOSS; VEHICLES	Gas
1305	Industry Average (circa 1990) Gasoline Composite (Hot Soak + Diurnal) Evaporative	SPECIATE 3.2	GASOLINE; VEHICLES; GASOLINE EVAPORATIVE; HOT SOAK; DIURNAL	Gas
1306	Industry Average (circa 1990) Gasoline Diurnal	SPECIATE 3.2	GASOLINE; VEHICLES; DIURNAL	Gas
1307	Industry Average (circa 1990) Gasoline Hot Soak	SPECIATE 3.2	HOT SOAK; VEHICLES; GASOLINE	Gas
1308	Industry Average (circa 1990) Gasoline Running Loss	SPECIATE 3.2	VEHICLES; GASOLINE; RUNNING LOSS	Gas
1309	11% MTBE Composite (Hot Soak + Diurnal) Evaporative	SPECIATE 3.2	MTBE GASOLINE; VEHICLES; GASOLINE; MTBE; GASOLINE EVAPORATIVE	Gas
1310	11% MTBE Diurnal	SPECIATE 3.2	MTBE GASOLINE; DIURNAL; GASOLINE; VEHICLES; MTBE	Gas
1311	11% MTBE Hot Soak	SPECIATE 3.2	MTBE GASOLINE; HOT SOAK; VEHICLES; GASOLINE; MTBE	Gas
1312	11% MTBE Running Loss	SPECIATE 3.2	MTBE GASOLINE; RUNNING LOSS; VEHICLES; MTBE	Gas
1313	Industry Average (circa 1990) Gasoline Exhaust	SPECIATE 3.2	VEHICLES; VEHICLE FUEL COMBUSTION	Gas
1314	10% Ethanol Exhaust	SPECIATE 3.2	ETHANOL; ETHANOL GASOLINE; VEHICLES; GASOLINE COMBUSTION	Gas
1315	11% MTBE Exhaust	SPECIATE 3.2	MTBE GASOLINE; GASOLINE; VEHICLES; MTBE	Gas
2401	Architectural Surface Coating	SPECIATE 3.2	ARCHITECTURAL COATING; COATING	Gas
2402	Auto Refinishing	SPECIATE 3.2	AUTOMOBILE REFINISHING; COATING	Gas
2403	Traffic Markings	SPECIATE 3.2	TRAFFIC PAINT; COATING	Gas
2404	Flat Wood Coating	SPECIATE 3.2	COATING	Gas
2405	Wood Furniture Coating	SPECIATE 3.2	COATING	Gas
2406	Metal Furniture Coating	SPECIATE 3.2	COATING	Gas
2407	Paper, Foil, Film Coating	SPECIATE 3.2	COATING	Gas
2408	Can Coating	SPECIATE 3.2	COATING	Gas
2409	Coil Coating	SPECIATE 3.2	COATING	Gas
2410	Electrical Insulation Coating	SPECIATE 3.2	COATING	Gas
2411	Appliances Coating	SPECIATE 3.2	COATING	Gas
2412	Machinery Coating	SPECIATE 3.2	COATING	Gas
2413	New Motor Vehicles Coating	SPECIATE 3.2	COATING	Gas
2414	Aircraft Coating	SPECIATE 3.2	COATING	Gas
2415	Marine Paints	SPECIATE 3.2	MARINE PAINT; PAINT; COATING	Gas
2416	Rail Equipment Coating	SPECIATE 3.2	COATING	Gas

Profile Number	Name	Data Origin	Keyword	Profile Type
2417	Misc. Manufacturing Coatings	SPECIATE 3.2	COATING	Gas
2418	Industrial Maintenance Coatings	SPECIATE 3.2	COATING	Gas
2419	Aerosols, Special Purpose	SPECIATE 3.2	COATING	Gas
2420	Degreasing, All Processes/All Industries	SPECIATE 3.2	DEGREASING	Gas
2421	Coin-op Drycleaners/All Solvents	SPECIATE 3.2	DRYCLEANING	Gas
2422	Commercial/Industrial Dry Cleaners	SPECIATE 3.2	DRYCLEANING	Gas
2423	Industrial Adhesives	SPECIATE 3.2	ADHESIVE	Gas
2424	Graphic Arts Coatings	SPECIATE 3.2	GRAPHIC ARTS; COATING	Gas
2425	Surface Coatings - General	SPECIATE 3.2	COATING	Gas
2431	Clear Wood Finishes - 1996	SPECIATE 3.2	COATING	Gas
2432	Graphic Arts Coatings - 1996	SPECIATE 3.2	GRAPHIC ARTS; COATING	Gas
2433	Solvent-based Industrial Maintenance Coatings - 1996	SPECIATE 3.2	COATING	Gas
2434	Solvent-based Medium Gloss/High Gloss - 1996	SPECIATE 3.2	COATING	Gas
2435	Quick-dry Primers and Enamels - 1996	SPECIATE 3.2	COATING; PRIMER; ENAMEL	Gas
2436	Solvent-based Primers and Sealers - 1996	SPECIATE 3.2	PRIMER; SEALER; COATING	Gas
2437	Semi-transparent Stains - 1996	SPECIATE 3.2	STAIN; COATING	Gas
2438	Traffic Paint - 1996	SPECIATE 3.2	TRAFFIC PAINT; PAINT; COATING	Gas
2439	Thinning Solvent - 1996	SPECIATE 3.2	SOLVENT	Gas
2440	Varnishes - 1996	SPECIATE 3.2	VARNISH; COATING	Gas
2441	Commercial Natural Gas from Los Angeles - 1972/1973	SPECIATE 3.2	NATURAL GAS	Gas
2442	Natural gas, Juarez - 1996	SPECIATE 3.2	NATURAL GAS	Gas
2443	Geogenic Natural Gas from Los Angeles, 1972/1973	SPECIATE 3.2	NATURAL GAS; GEOGENIC	Gas
2444	LPG from Super Energy Propane & Westex Conversion - 1996	SPECIATE 3.2	LPG	Gas
2445	LPG from Servigas & Commercial de Juarez - 1996	SPECIATE 3.2	LPG	Gas
2446	Composite Gasoline Liquid from Boston, Summer 1995 Fed Phase 1 RFG	SPECIATE 3.2	GASOLINE; PHASE 1 RFG; GASOLINE LIQUID	Gas
2447	Composite Gasoline Liquid from Los Angeles, Summer 1995 Fed Phase 1 RFG	SPECIATE 3.2	GASOLINE; PHASE 1 RFG; GASOLINE LIQUID	Gas
2448	Composite Gasoline Liquid, El Paso - 1996	SPECIATE 3.2	GASOLINE; GASOLINE LIQUID	Gas
2449	Composite Liquid Gasoline Seattle (5 brands, 3 grades), Conventional - 1997	SPECIATE 3.2	GASOLINE; GASOLINE LIQUID	Gas
2450	Composite Gasoline Vapor from Boston, Summer 1995, Fed Phase 1 RFG	SPECIATE 3.2	GASOLINE VAPOR; PHASE 1 RFG; GASOLINE	Gas
2451	Gasoline Vapor, Hot-Soak, Downwind Sample from the Astrodome - 1996	SPECIATE 3.2	GASOLINE VAPOR; GASOLINE; HOT SOAK	Gas
2452	Gasoline Vapor, Hot-Soak, Downwind-Upwind Sample from the Astrodome - 1996	SPECIATE 3.2	GASOLINE; GASOLINE VAPOR; HOT SOAK	Gas
2453	Composite of 14 Gasoline Headspace Vapor Samples - 1996	SPECIATE 3.2	GASOLINE HEADSPACE; GASOLINE; GASOLINE VAPOR	Gas
2454	Composite Gasoline Vapor from Los Angeles, Summer 1995	SPECIATE 3.2	GASOLINE; GASOLINE VAPOR	Gas
2455	Composite Gasoline Vapor from Seattle (5 brands, 3 grades) - 1997	SPECIATE 3.2	GASOLINE VAPOR; GASOLINE	Gas
2456	Composite of 5 Emission Profiles from Miscellaneous Industrial Plants	SPECIATE 3.2	INDUSTRIAL	Gas
2457	Composite of 10 Emission Profiles - Misc. Chemical and Refining Plants in Houston - 1993	SPECIATE 3.2	CHEMICAL MANUFACTURING; REFINERY; INDUSTRIAL	Gas
2458	Refinery - Chevron FCC - August 6-17, 1996	SPECIATE 3.2	REFINERY; INDUSTRIAL	Gas
2459	Refinery - Chevron South - August 6-17, 1996	SPECIATE 3.2	REFINERY; INDUSTRIAL	Gas
2460	Refinery - Chevron TankFarm (Evaporative) - August 6-17, 1996	SPECIATE 3.2	REFINERY; INDUSTRIAL	Gas
2461	Composite of 6 Emission Profiles from Ethylene Production Facilities	SPECIATE 3.2	ETHYLENE; CHEMICAL MANUFACTURING	Gas
2462	Composite of 3 Fugitive Emission Profiles from Chemical Mfg. Facilities	SPECIATE 3.2	CHEMICAL MANUFACTURING	Gas
2463	Miscellaneous Industrial Emission Profile - Delmex - August 6-17, 1996	SPECIATE 3.2	INDUSTRIAL	Gas
2464	Industrial Point Source, Amerada Hess, Principle Business: Special Warehousing - 1993	SPECIATE 3.2	INDUSTRIAL	Gas
2465	Industrial Point Source, Lyondell Citgo Refining, Principle Business: Petroleum Refining - 1993	SPECIATE 3.2	INDUSTRIAL; REFINERY; PETROLEUM INDUSTRY	Gas



Profile Number	Name	Data Origin	Keyword	Profile Type
2466	Industrial Point Source, Fabricated Metal Products - 1993	SPECIATE 3.2	INDUSTRIAL; FABRICATED METAL	Gas
2467	Industrial Point Source, Phibro Energy, Principle Business: Petroleum Refining - 1993	SPECIATE 3.2	INDUSTRIAL; REFINERY; PETROLEUM INDUSTRY	Gas
2468	Industrial Point Source, Crown Central Petroleum, Principle Business: Bulk Fuel Storage - 1993	SPECIATE 3.2	INDUSTRIAL; REFINERY; PETROLEUM INDUSTRY	Gas
2469	Industrial Point Source, Miles Incorporated, Principle Business: Synthetic Rubber - 1993	SPECIATE 3.2	INDUSTRIAL; SYNTHETIC RUBBER	Gas
2470	Industrial Point Source, Albermarle, Principle Business: Industrial Organic Chemicals - 1993	SPECIATE 3.2	INDUSTRIAL; CHEMICAL MANUFACTURING	Gas
2471	Industrial Point Source, GATX Terminals, Principle Business: Bulk Storage Terminals - 1993	SPECIATE 3.2	INDUSTRIAL	Gas
2472	Industrial Point Source, GATX Terminals, Principle Business: Bulk Storage Terminals - 1993	SPECIATE 3.2	INDUSTRIAL; PETROLEUM INDUSTRY	Gas
2473	Industrial Point Source, Chevron, Principle Business: Bulk Fuel Storage - 1993	SPECIATE 3.2	INDUSTRIAL; PETROLEUM INDUSTRY	Gas
2474	Industrial Point Source, Texas Petrochem, Principle Business: Organic Chemical Synthesis - 1993	SPECIATE 3.2	CHEMICAL MANUFACTURING; INDUSTRIAL; PETROLEUM INDUSTRY	Gas
2475	Industrial Point Source, Phillips Pipeline, Principle Business: Bulk Fuel Storage - 1993	SPECIATE 3.2	INDUSTRIAL; PETROLEUM INDUSTRY	Gas
2476	Industrial Point Source, Phillips Chemical Company, Principle Business: K-Resin Production - 1993	SPECIATE 3.2	INDUSTRIAL; CHEMICAL MANUFACTURING	Gas
2477	Industrial Point Source, South Coast Terminals, Principle Business: Petrochemical - 1993	SPECIATE 3.2	INDUSTRIAL; CHEMICAL MANUFACTURING	Gas
2478	Industrial Point Source, Warren Petroleum, Principle Business: Bulk Storage Terminal - 1993	SPECIATE 3.2	INDUSTRIAL; PETROLEUM INDUSTRY	Gas
2479	Industrial Cluster, Composite Profile, Samples Taken from Downwind of Amoco - 1993	SPECIATE 3.2	INDUSTRIAL; PETROLEUM INDUSTRY	Gas
2480	Industrial Cluster, Ship Channel, Downwind Sample - 1993	SPECIATE 3.2	INDUSTRIAL	Gas
2481	Industrial Cluster, Composite Profile, Samples Taken from Downwind of Shell - 1993	SPECIATE 3.2	INDUSTRIAL; PETROLEUM INDUSTRY	Gas
2482	Industrial Cluster, Composite Profile, Samples Taken from Downwind of Texaco - 1993	SPECIATE 3.2	INDUSTRIAL; PETROLEUM INDUSTRY	Gas
2483	Industrial Cluster, Texaco, Downwind-Upwind Sample - 1993	SPECIATE 3.2	INDUSTRIAL; PETROLEUM INDUSTRY	Gas
2484	Industrial Cluster, Composite Profile, Samples Taken from Downwind of Union Carbide - 1993	SPECIATE 3.2	INDUSTRIAL	Gas
2485	Composite of 21 Fugitive Emission Profiles from Petroleum Industry Facilities - 1993	SPECIATE 3.2	INDUSTRIAL; PETROLEUM INDUSTRY	Gas
2486	Composite of 5 Fugitive Emission Profiles from Petroleum Marketing - 1993	SPECIATE 3.2	INDUSTRIAL; GASOLINE MARKETING; PETROLEUM INDUSTRY	Gas
2487	Composite of 7 Emission Profiles from Crude Oil Storage Tanks - 1993	SPECIATE 3.2	INDUSTRIAL; PETROLEUM INDUSTRY	Gas
2488	Composite of 9 Emission Profiles from Distillate Oil Storage Tanks - 1993	SPECIATE 3.2	DISTILLATE OIL; PETROLEUM INDUSTRY; INDUSTRIAL	Gas
2489	Composite of 15 Fugitive Emission Profiles from Petroleum Storage Facilities - 1993	SPECIATE 3.2	PETROLEUM INDUSTRY; INDUSTRIAL	Gas
2490	Composite of 14 Emission Profiles from Gasoline Storage Tanks - 1993	SPECIATE 3.2	GASOLINE; PETROLEUM INDUSTRY; INDUSTRIAL	Gas
2491	Vehicle Exhaust - Current Fleet (1989) FTP Composite, Conventional Fuel	SPECIATE 3.2	VEHICLES; VEHICLE FUEL COMBUSTION	Gas
2492	Vehicle Exhaust - Current Fleet (1989) Cold Start	SPECIATE 3.2	VEHICLES; COLD START; VEHICLE FUEL COMBUSTION	Gas
2493	Vehicle - Current Fleet (1989) Diurnal Evaporative	SPECIATE 3.2	VEHICLES; DIURNAL; GASOLINE EVAPORATIVE; GASOLINE	Gas
2494	Vehicle Exhaust - Current Fleet (1989) Hot Start	SPECIATE 3.2	HOT START; VEHICLES; VEHICLE FUEL COMBUSTION	Gas
2495	Vehicle - Current Fleet (1989) Hot Soak Evaporative	SPECIATE 3.2	VEHICLES; HOT SOAK; GASOLINE EVAPORATIVE; GASOLINE	Gas
2496	Vehicle Exhaust - Current Fleet (1989) Running Loss	SPECIATE 3.2	VEHICLES; RUNNING LOSS; VEHICLE FUEL COMBUSTION	Gas
2497	Vehicle Exhaust - Current Fleet (1989) Hot Stabilized	SPECIATE 3.2	HOT STABILIZED; VEHICLES; VEHICLE FUEL COMBUSTION	Gas
2498	Vehicle Exhaust - Older Fleet (1983-1985) FTP Composite	SPECIATE 3.2	VEHICLES; VEHICLE FUEL COMBUSTION	Gas
2499	Vehicle Exhaust - Older Fleet (1983-1985) Cold Start	SPECIATE 3.2	COLD START; VEHICLES; VEHICLE FUEL COMBUSTION	Gas
2500	Vehicle - Older Fleet (1983-1985) Diurnal Evaporative	SPECIATE 3.2	VEHICLES; DIURNAL; GASOLINE EVAPORATIVE; GASOLINE	Gas
2501	Vehicle Exhaust - Older Fleet (1983-1985) Hot Start	SPECIATE 3.2	VEHICLES; HOT START; VEHICLE FUEL COMBUSTION	Gas
2502	Vehicle - Older Fleet (1983-1985) Hot Soak Evaporative	SPECIATE 3.2	VEHICLES; HOT SOAK; GASOLINE EVAPORATIVE; GASOLINE	Gas

Profile Number	Name	Data Origin	Keyword	Profile Type
2503	Vehicle Exhaust - Older Fleet (1983-1985) Running Loss	SPECIATE 3.2	VEHICLES; RUNNING LOSS; VEHICLE FUEL COMBUSTION	Gas
2504	Vehicle Exhaust - Older Fleet (1983-1985) Hot Stabilized	SPECIATE 3.2	VEHICLES; HOT STABILIZED; VEHICLE FUEL COMBUSTION	Gas
2505	Vehicle Exhaust - Tip O'Neill Garage (Boston) Cold Start - Sept.12-13, 1995	SPECIATE 3.2	VEHICLES; TIP O'NEILL GARAGE; COLD START; VEHICLE FUEL COMBUSTION	Gas
2506	Vehicle Exhaust - Cold-Start, Downwind Sample from the Astrodome - 1993	SPECIATE 3.2	VEHICLES; COLD START; ASTRODOME; VEHICLE FUEL COMBUSTION	Gas
2507	Vehicle Exhaust - Astrodome, Cold Start, Downwind-upwind.- 1993	SPECIATE 3.2	VEHICLES; COLD START; ASTRODOME; VEHICLE FUEL COMBUSTION	Gas
2508	Vehicle Exhaust - Juarez rush hour traffic - 1996	SPECIATE 3.2	VEHICLES; VEHICLE FUEL COMBUSTION	Gas
2509	Vehicle Exhaust - Juarez propane bus - adjusted for Juarez traffic - 1996	SPECIATE 3.2	VEHICLES; PROPANE COMBUSTION	Gas
2510	Vehicle Exhaust - 100% high emitters - Orange County, CA	SPECIATE 3.2	VEHICLES; VEHICLE FUEL COMBUSTION	Gas
2511	Vehicle Exhaust - 100% low emitters - Orange County, CA	SPECIATE 3.2	VEHICLES; VEHICLE FUEL COMBUSTION	Gas
2512	Vehicle Exhaust - Callahan Tunnel - Sept. 18-19, 1995	SPECIATE 3.2	VEHICLES; CALLAHAN TUNNEL; VEHICLE FUEL COMBUSTION	Gas
2513	Vehicle Exhaust - Callahan Tunnel Diesel Exhaust Subtracted - Sept. 18-19, 1995	SPECIATE 3.2	VEHICLES; CALLAHAN TUNNEL; VEHICLE FUEL COMBUSTION	Gas
2514	Vehicle Exhaust - Callahan Tunnel Diesel and Minimum Running Loss Subtracted - Sept. 18-19, 1995	SPECIATE 3.2	VEHICLES; CALLAHAN TUNNEL; VEHICLE FUEL COMBUSTION	Gas
2515	Vehicle Exhaust - Callahan Tunnel Diesel and Maximum Running Loss Subtracted - Sept. 18-19, 1995	SPECIATE 3.2	VEHICLES; CALLAHAN TUNNEL; VEHICLE FUEL COMBUSTION	Gas
2516	Vehicle Exhaust - Lincoln Tunnel - Aug. 16-18, 1995	SPECIATE 3.2	VEHICLES; LINCOLN TUNNEL; VEHICLE FUEL COMBUSTION	Gas
2517	Vehicle Exhaust - Lincoln Tunnel Diesel Exhaust Subtracted - Aug. 16-18, 1995	SPECIATE 3.2	VEHICLES; LINCOLN TUNNEL; VEHICLE FUEL COMBUSTION	Gas
2518	Vehicle Exhaust - Lincoln Tunnel Diesel and Minimum Running Loss Subtracted - Aug. 16-18, 1995	SPECIATE 3.2	VEHICLES; LINCOLN TUNNEL; VEHICLE FUEL COMBUSTION	Gas
2519	Vehicle Exhaust - Lincoln Tunnel Diesel and Maximum Running Loss Subtracted - Aug. 16-18, 1995	SPECIATE 3.2	VEHICLES; LINCOLN TUNNEL; VEHICLE FUEL COMBUSTION	Gas
2520	Vehicle Exhaust - Tuscarora Tunnel Diesel - 1995	SPECIATE 3.2	VEHICLES; TUSCARORA TUNNEL; DIESEL COMBUSTION	Gas
2521	Vehicle Exhaust - Tuscarora Tunnel Light Duty Gasoline - 1995	SPECIATE 3.2	VEHICLES; TUSCARORA TUNNEL; GASOLINE COMBUSTION	Gas
2522	Vehicle Exhaust - Sepulveda Tunnel - Oct. 3-4, 1995	SPECIATE 3.2	VEHICLES; SEPULVEDA TUNNEL; VEHICLE FUEL COMBUSTION	Gas
2523	Vehicle Exhaust - Sepulveda Tunnel Diesel Exhaust Subtracted - Oct. 3-4, 1995	SPECIATE 3.2	VEHICLES; SEPULVEDA TUNNEL; VEHICLE FUEL COMBUSTION	Gas
2524	Vehicle Exhaust - Sepulveda Tunnel Diesel and Minimum Running Loss Subtracted - Oct. 3-4, 1995	SPECIATE 3.2	VEHICLES; SEPULVEDA TUNNEL; VEHICLE FUEL COMBUSTION	Gas
2525	Vehicle Exhaust - Sepulveda Tunnel Diesel and Maximum Running Loss Subtracted - Oct. 3-4, 1995	SPECIATE 3.2	VEHICLES; SEPULVEDA TUNNEL; VEHICLE FUEL COMBUSTION	Gas
2526	Vehicle Exhaust - Fort McHenry Tunnel Diesel - 1995	SPECIATE 3.2	VEHICLES; FORT MCHENRY TUNNEL; DIESEL COMBUSTION	Gas
2527	Vehicle Exhaust - Fort McHenry Tunnel Light-Duty Gasoline - 1995	SPECIATE 3.2	VEHICLES; FORT MCHENRY TUNNEL; GASOLINE COMBUSTION	Gas
2528	Vehicle Exhaust - Van Nuys Tunnel - June 8-12, 1995	SPECIATE 3.2	VEHICLES; VAN NUYS TUNNEL; VEHICLE FUEL COMBUSTION	Gas
2529	Vehicle Exhaust - Van Nuys Tunnel, Diesel Exhaust Subtracted - June 8-12, 1995	SPECIATE 3.2	VEHICLES; VAN NUYS TUNNEL; VEHICLE FUEL COMBUSTION	Gas
2530	Vehicle Exhaust - Van Nuys Tunnel, Diesel and Minimum Running Loss Subtracted - June 8-12, 1995	SPECIATE 3.2	VEHICLES; VAN NUYS TUNNEL; VEHICLE FUEL COMBUSTION	Gas
2531	Vehicle Exhaust - Van Nuys Tunnel, Diesel and Maximum Running Loss Subtracted - June 8-12, 1995	SPECIATE 3.2	VEHICLES; VAN NUYS TUNNEL; VEHICLE FUEL COMBUSTION	Gas
2532	Vehicle Exhaust - Mt. Baker Tunnel Emissions, Downwind Exhaust - 1995	SPECIATE 3.2	VEHICLES; MT. BAKER TUNNEL; VEHICLE FUEL COMBUSTION	Gas
2533	Vehicle Exhaust - Mt. Baker Tunnel Emissions with Diesel Contributions Removed - 1995	SPECIATE 3.2	VEHICLES; MT. BAKER TUNNEL; VEHICLE FUEL COMBUSTION	Gas
2534	Vehicle Exhaust - Mt. Baker Tunnel Emissions with Diesel and 5-10% of Running Loss Contributions Removed - 1995	SPECIATE 3.2	VEHICLES; MT. BAKER TUNNEL; VEHICLE FUEL COMBUSTION	Gas
2535	Vehicle Exhaust - Mt. Baker Tunnel emissions with Diesel and 15-30% of Running Loss Contributions Removed - 1995	SPECIATE 3.2	VEHICLES; MT. BAKER TUNNEL; VEHICLE FUEL COMBUSTION	Gas
2536	Vehicle Exhaust - Baytown Tunnel, Warm Running, Downwind Sample - 1993	SPECIATE 3.2	VEHICLES; BAYTOWN TUNNEL; VEHICLE FUEL COMBUSTION	Gas
2537	Vehicle Exhaust - Composite of 4 Westheimer Profiles, Warm Running, Downwind Sample - 1993	SPECIATE 3.2	VEHICLES; VEHICLE FUEL COMBUSTION	Gas

Profile Number	Name	Data Origin	Keyword	Profile Type
2538	Vehicle Exhaust - Composite of 2 Westheimer Profiles, Warm Running, Downwind-Upwind - 1993	SPECIATE 3.2	VEHICLES; VEHICLE FUEL COMBUSTION	Gas
2539	Vehicle Exhaust - Ambient Roadside Monitoring: Kanagawa Prefecture, Japan	SPECIATE 3.2	VEHICLES; ROADSIDE	Gas
2540	Vehicle Emissions: Roadway: Busy Intersection	SPECIATE 3.2	VEHICLES; ROADSIDE	Gas
2541	Wastewater Treatment Plants - New Jersey	SPECIATE 3.2	WASTEWATER TREATMENT	Gas
2542	Wastewater Treatment Plants - Cincinnati Area	SPECIATE 3.2	WASTEWATER TREATMENT	Gas
2543	Graphic Arts - Lithography	SPECIATE 3.2	GRAPHIC ARTS; LITHOGRAPHY	Gas
2544	Graphic Arts - Letterpress	SPECIATE 3.2	GRAPHIC ARTS; LETTERPRESS	Gas
2545	Graphic Arts - Rotogravure	SPECIATE 3.2	GRAPHIC ARTS; ROTOGRAVURE	Gas
2546	Automotive Painting - Downwind Ground Based Compositions	SPECIATE 3.2	VEHICLES; COATING	Gas
2547	Polyethylene Plant: Kawasaki City	SPECIATE 3.2	POLYETHYLENE; CHEMICAL MANUFACTURING	Gas
2548	Vapor Degreasing - Based on 1985 Chlorinated Solvent Consumption Estimate	SPECIATE 3.2	VAPOR DEGREASING; DEGREASING; CHLORINATED SOLVENT	Gas
2549	Offset Printing - Plant A, Press/Plate Making Rooms, Air Return	SPECIATE 3.2	OFFSET PRINTING; PRINTING; PRESS/PLATE MAKING	Gas
2550	Offset Printing - Plant A, Press/Plate Making Rooms, Average of Six Sites	SPECIATE 3.2	OFFSET PRINTING; PRINTING; PRESS/PLATE MAKING	Gas
2551	Offset Printing - Plant A, Six-Color Press Air Return	SPECIATE 3.2	OFFSET PRINTING; PRINTING; SIX-COLOR PRESS	Gas
2552	Offset Printing - Plant B, Average of all rooms	SPECIATE 3.2	OFFSET PRINTING; PRINTING	Gas
2553	Offset Printing - Plant C, Room Composition	SPECIATE 3.2	OFFSET PRINTING; PRINTING	Gas
2554	Petroleum Refineries - Outside Operators: Summertime, Personal Exposure	SPECIATE 3.2	PETROLEUM INDUSTRY; REFINERY; INDUSTRIAL	Gas
2555	Japanese Refinery - Kawasaki City	SPECIATE 3.2	REFINERY; INDUSTRIAL	Gas
2556	Headspace Profile - Regular Gasoline - Chicago: Summer 1989	SPECIATE 3.2	GASOLINE; GASOLINE HEADSPACE; GASOLINE - REGULAR; GASOLINE VAPOR	Gas
2557	Headspace Profile - Mid-grade Gasoline - Chicago: Summer 1989	SPECIATE 3.2	GASOLINE VAPOR; GASOLINE - MID GRADE; GASOLINE; GASOLINE HEADSPACE	Gas
2558	Headspace Profile - Premium Gasoline - Chicago: Summer 1989	SPECIATE 3.2	GASOLINE HEADSPACE; GASOLINE - PREMIUM; GASOLINE; GASOLINE VAPOR	Gas
2559	Refueling Profile - Summer 1989 Sales of Gasoline in Chicago	SPECIATE 3.2	REFUELING; GASOLINE; GASOLINE - SUMMER	Gas
2560	Refueling Profile - Regular Summer Blend - Atlanta, 1990	SPECIATE 3.2	REFUELING; GASOLINE - REGULAR; GASOLINE; GASOLINE - SUMMER	Gas
2561	Refueling Profile - Regular Summer Blend - Chicago, 1990	SPECIATE 3.2	REFUELING; GASOLINE - REGULAR; GASOLINE; GASOLINE - SUMMER	Gas
2562	Roadway - Vehicle Exhaust Emissions - Chicago, March, 1990	SPECIATE 3.2	VEHICLES; VEHICLE FUEL COMBUSTION; ROADSIDE	Gas
2563	Roadway - Vehicle Exhaust Emissions - Raleigh	SPECIATE 3.2	VEHICLES; ROADSIDE; VEHICLE FUEL COMBUSTION	Gas
2564	Roadway - Vehicle Exhaust Emissions - Atlanta, 1990	SPECIATE 3.2	VEHICLES; ROADSIDE; VEHICLE FUEL COMBUSTION	Gas
2565	Vehicle Cold Start (adjusted for background) - Chicago, March 1990	SPECIATE 3.2	VEHICLES; COLD START; VEHICLE FUEL COMBUSTION	Gas
2566	Vehicle Hot Soak (adjusted for background) - Chicago, March 1990	SPECIATE 3.2	VEHICLES; HOT SOAK	Gas
2567	Vehicle Hot Soak - Atlanta, 1990	SPECIATE 3.2	VEHICLES; HOT SOAK	Gas
2568	Refinery - Romeoville, Ill, 1990	SPECIATE 3.2	REFINERY; INDUSTRIAL; PETROLEUM INDUSTRY	Gas
2569	Coke Oven - Chicago, Ill, 1992	SPECIATE 3.2	COKE	Gas
2570	Graphic Arts - Composite of Lithography, Rotogravure, Letterpress and Flexography	SPECIATE 3.2	GRAPHIC ARTS; LITHOGRAPHY; ROTOGRAVURE; LETTERPRESS; FLEXOGRAPHIC	Gas
2571	Airport - Atlanta - August 27, 1990	SPECIATE 3.2	AIRPORT	Gas
2572	Aircraft - Atlanta - August 27, 1990	SPECIATE 3.2	AIRCRAFT	Gas
3001	Pesticides	CARB	Pesticides	Gas
3002	Landfills	CARB	Landfill Gas	Gas
3003	Wastewater Treatment Plants	CARB	POTW: Wastewater Treatment Plant	Gas
3004	Consumer Products: Arts And Crafts Adhesives	CARB	Consumer Products: Adhesives; Arts and Crafts	Gas
3005	Consumer Products: Automotive Adhesives	CARB	Consumer Products: Adhesives; Automotive	Gas
3006	Consumer Products: Carpet And Tile Adhesives	CARB	Consumer Products: Adhesives; Carpet and Tile	Gas
3007	Consumer Products: Construction And Panel Adhesives	CARB	Consumer Products: Adhesives; Construction and Panel	Gas
3008	Consumer Products: Contact Adhesive	CARB	Consumer Products: Adhesives	Gas
3009	Consumer Products: General Purpose Cleaners Adhesive	CARB	Consumer Products: Adhesives	Gas
3010	Consumer Products: Aerosol Adhesive (Including Industrial)	CARB	Consumer Products	Gas
3011	Consumer Products: Pipe Cements And Primers	CARB	Consumer Products; Pipe Cements and Primers	Gas

Profile Number	Name	Data Origin	Keyword	Profile Type
3012	Consumer Products: Woodworking Glues	CARB	Consumer Products: Glues	Gas
3013	Consumer Products: Sealants & Caulking Compounds	CARB	Consumer Products: Sealants and Caulking Compounds	Gas
3014	Consumer Products: Wood Fillers	CARB	Consumer Products: Wood Fillers	Gas
3015	Consumer Products: Bug And Tar Removers	CARB	Consumer Products: Bug and Tar Removers	Gas
3016	Consumer Products: Auto Carpet And Upholstery Cleaners - Aerosols	CARB	Consumer Products: Cleaners; Auto Carpet and Upholstery	Gas
3017	Consumer Products: Auto Carpet And Upholstery Cleaners - Non-Aerosols	CARB	Consumer Products: Cleaners; Auto Carpet and Upholstery	Gas
3018	Consumer Products: Automotive Hard Paste Waxes	CARB	Consumer Products: Automotive; Waxes	Gas
3019	Consumer Products: Automotive Instant Detailers	CARB	Consumer Products: Automotive	Gas
3020	Consumer Products: Automotive Waxes/Polishes/Sealants/Glazes	CARB	Consumer Products: Automotive Waxes; Polishes; Sealants; Glazes	Gas
3021	Consumer Products: Rubber And Vinyl Protectants - Aerosols	CARB	Consumer Products: Rubber and Vinyl Protectants	Gas
3022	Consumer Products: Rubber And Vinyl Protectants - Non-Aerosols	CARB	Consumer Products: Rubber and Vinyl Protectants	Gas
3023	Consumer Products: Automotive Rubbing Or Polishing Compounds	CARB	Consumer Products: Automotive; Rubbing; Polishing	Gas
3024	Consumer Products: Tire Cleaners	CARB	Consumer Products: Cleaners; Tire	Gas
3025	Consumer Products: Vinyl and Leather Cleaners	CARB	Consumer Products: Cleaners; Vinyl and Leather	Gas
3026	Consumer Products: Wheel Cleaners	CARB	Consumer Products: Cleaners; Wheel	Gas
3027	Consumer Products: Battery Cleaners	CARB	Consumer Products: Cleaners; Battery	Gas
3028	Consumer Products: Automotive Brake Cleaners	CARB	Consumer Products: Cleaners; Brake	Gas
3029	Consumer Products: Carburetor Or Fuel-Injection Air Intake Cleaners	CARB	Consumer Products: Cleaners; Air Intake	Gas
3030	Consumer Products: Engine Degreasers - Aerosols	CARB	Consumer Products: Engine Degreasers	Gas
3031	Consumer Products: Engine Degreasers - Non-Aerosols	CARB	Consumer Products: Engine Degreasers	Gas
3032	Consumer Products: Solvent Parts Cleaner - Aerosols	CARB	Consumer Products: Cleaner	Gas
3033	Consumer Products: Solvent Parts Cleaner - Non-Aerosols	CARB	Consumer Products: Cleaner	Gas
3034	Consumer Products: Tire Sealants And Inflators	CARB	Consumer Products: Automotive; Tire Sealants and Inflators	Gas
3035	Consumer Products: Automotive Undercoatings - Aerosols	CARB	Consumer Products: Automotive; Undercoatings	Gas
3036	Consumer Products: Automotive Undercoatings - Non-Aerosols	CARB	Consumer Products: Automotive; Undercoatings	Gas
3037	Consumer Products: Automotive Windshield Washer Fluids	CARB	Consumer Products: Automotive; Windshield Washer Fluids	Gas
3038	Consumer Products: Graffiti Removers	CARB	Consumer Products: Graffiti Removers	Gas
3039	Consumer Products: Paint Removers Or Strippers	CARB	Consumer Products: Paint Removers	Gas
3040	Consumer Products: Multipurpose Solvents	CARB	Consumer Products: Solvents	Gas
3041	Consumer Products: Electronic Cleaner	CARB	Consumer Products: Cleaner; Electronics	Gas
3042	Consumer Products: Adhesive Remover	CARB	Consumer Products: Adhesive Remover	Gas
3043	Consumer Products: Disinfectants	CARB	Consumer Products: Disinfectants	Gas
3044	Consumer Products: Sanitizers	CARB	Consumer Products: Sanitizers	Gas
3045	Consumer Products: Sterilants (not Including Ethylene Oxide)	CARB	Consumer Products: Sterilants	Gas
3046	Consumer Products: Non-Selective Herbicides/Defoliants	CARB	Consumer Products: Herbicides; Defoliants	Gas
3047	Consumer Products: Selective Herbicides/Defoliants	CARB	Consumer Products: Herbicides; Defoliants	Gas
3048	Consumer Products: Flea And Tick Insecticide	CARB	Consumer Products: Insecticide	Gas
3049	Consumer Products: Flying Insect Insecticide - Aerosols	CARB	Consumer Products: Insecticide	Gas
3050	Consumer Products: Flying Insect Insecticide - Non-Aerosols	CARB	Consumer Products: Insecticide	Gas
3051	Consumer Products: Wasp and Hornet Insecticide	CARB	Consumer Products: Insecticide	Gas
3052	Consumer Products: Lawn And Garden Insecticides	CARB	Consumer Products: Insecticide	Gas
3053	Consumer Products: Crawling Bug Insecticides - Aerosols	CARB	Consumer Products: Insecticide	Gas
3054	Consumer Products: Crawling Bug Insecticides - Non-Aerosols	CARB	Consumer Products: Insecticide	Gas
3055	Consumer Products: Insecticide Foggers	CARB	Consumer Products: Insecticide	Gas
3056	Consumer Products: Insect Repellants - Aerosols	CARB	Consumer Products: Insect Repellants	Gas
3057	Consumer Products: Insect Repellants - Non-Aerosols	CARB	Consumer Products: Insect Repellants	Gas
3058	Consumer Products: Fungicides AND Nematicides	CARB	Consumer Products: Fungicides; Nematicides	Gas

Profile Number	Name	Data Origin	Keyword	Profile Type
3059	Consumer Products: Household Carpet And Upholstery Cleaners - Aerosols	CARB	Consumer Products: Cleaners: Carpet and Upholstery	Gas
3060	Consumer Products: Household Carpet And Upholstery Cleaners - Non-Aerosols	CARB	Consumer Products: Cleaners: Carpet and Upholstery	Gas
3061	Consumer Products: Carpet Deodorizers	CARB	Consumer Products: Carpet Deodorizers	Gas
3062	Consumer Products: Spot Removers - Aerosols	CARB	Consumer Products: Spot Removers	Gas
3063	Consumer Products: Spot Removers - Non-Aerosols	CARB	Consumer Products: Spot Removers	Gas
3064	Consumer Products: Fabric Protectants	CARB	Consumer Products: Fabric Protectants	Gas
3065	Consumer Products: Floor Wax Strippers	CARB	Consumer Products: Floor Wax Strippers	Gas
3066	Consumer Products: General Purpose Cleaners - Aerosols	CARB	Consumer Products: Cleaners: Carpet and Upholstery	Gas
3067	Consumer Products: General Purpose Cleaners - Non-Aerosols	CARB	Consumer Products: Cleaners: Carpet and Upholstery	Gas
3068	Consumer Products: General Purpose Degreasers - Aerosols	CARB	Consumer Products: Degreasers	Gas
3069	Consumer Products: General Purpose Degreasers - Non-Aerosols	CARB	Consumer Products: Degreasers	Gas
3070	Consumer Products: Glass Cleaners - Aerosols	CARB	Consumer Products: Glass Cleaners	Gas
3071	Consumer Products: Glass Cleaners - Non-Aerosols	CARB	Consumer Products: Glass Cleaners	Gas
3072	Consumer Products: Metal Polishes/Cleaners	CARB	Consumer Products: Metal Polishes	Gas
3073	Consumer Products: Oven Cleaners - Aerosols/Pumps	CARB	Consumer Products: Oven Cleaners	Gas
3074	Consumer Products: Oven Cleaners - Liquid And Other	CARB	Consumer Products: Oven Cleaners	Gas
3075	Consumer Products: Toilet Bowl Cleaners	CARB	Consumer Products: Toilet Bowl Cleaners	Gas
3076	Consumer Products: Bathroom And Tile Cleaners - Aerosols	CARB	Consumer Products: Bathroom and Tile Cleaners	Gas
3077	Consumer Products: Bathroom And Tile Cleaners - Non-Aerosols	CARB	Consumer Products: Bathroom and Tile Cleaners	Gas
3078	Consumer Products: Laundry Prewash - Aerosols/Solids	CARB	Consumer Products: Laundry	Gas
3079	Consumer Products: Laundry Prewash - Other Forms	CARB	Consumer Products: Laundry	Gas
3080	Consumer Products: Laundry Starches, Sizings, Etc.	CARB	Consumer Products: Laundry	Gas
3081	Consumer Products: Dusting Aids - Aerosols	CARB	Consumer Products: Dusting Aids	Gas
3082	Consumer Products: Dusting Aids - Non-Aerosols	CARB	Consumer Products: Dusting Aids	Gas
3083	Consumer Products: Flexible Floor Wax/Polish	CARB	Consumer Products: Floor Wax	Gas
3084	Consumer Products: Non-Resilient Floor Wax/Polish	CARB	Consumer Products: Floor Wax	Gas
3085	Consumer Products: Wood Floor Wax/Polish	CARB	Consumer Products: Floor Wax	Gas
3086	Consumer Products: Furniture Maintenance Products - Aerosols	CARB	Consumer Products: Furniture Maintenance Products	Gas
3087	Consumer Products: Furniture Maintenance Products - Other Forms	CARB	Consumer Products: Furniture Maintenance Products	Gas
3088	Consumer Products: Shoe Care Products	CARB	Consumer Products: Shoe Care	Gas
3089	Consumer Products: Multipurpose Lubricant	CARB	Consumer Products: Lubricant	Gas
3090	Consumer Products: Silicone Based Multi-Purpose Lubricant	CARB	Consumer Products: Lubricant	Gas
3091	Consumer Products: Penetrant	CARB	Consumer Products: Lubricant: Penetrant	Gas
3092	Consumer Products: Specialty Lubricant	CARB	Consumer Products: Lubricant	Gas
3093	Consumer Products: Single Phase Aerosol Air Fresheners	CARB	Consumer Products: Air Fresheners	Gas
3094	Consumer Products: Double Phase Aerosol Air Fresheners	CARB	Consumer Products: Air Fresheners	Gas
3095	Consumer Products: Dual Purpose Air Freshener/Disinfectant	CARB	Consumer Products: Air Fresheners: Disinfectant	Gas
3096	Consumer Products: Liquid/Pump Spray Air Fresheners	CARB	Consumer Products: Air Fresheners	Gas
3097	Consumer Products: Solid/Gel Air Fresheners	CARB	Consumer Products: Air Fresheners	Gas
3098	Consumer Products: Charcoal Lighter Materials	CARB	Consumer Products: Charcoal Lighter	Gas
3099	Consumer Products: Aerosol Cooking Sprays	CARB	Consumer Products: Cooking Sprays	Gas
3100	Consumer Products: Underarm Antiperspirants - Aerosols	CARB	Consumer Products: Underarm Antiperspirants	Gas
3101	Consumer Products: Underarm Antiperspirants - Non-Aerosols	CARB	Consumer Products: Underarm Antiperspirants	Gas
3102	Consumer Products: Underarm Deodorants - Aerosols	CARB	Consumer Products: Deodorants	Gas
3103	Consumer Products: Underarm Deodorants - Non-Aerosols	CARB	Consumer Products: Deodorants	Gas
3104	Consumer Products: Astringents/Toners	CARB	Consumer Products: Toners	Gas
3105	Consumer Products: Hand And Body Lotions	CARB	Consumer Products: Lotions	Gas

Profile Number	Name	Data Origin	Keyword	Profile Type
3106	Consumer Products: Personal Fragrance Product (Fragrance <= 20%)	CARB	Consumer Products; Fragrance	Gas
3107	Consumer Products: Personal Fragrance Product (Fragrance > 20%)	CARB	Consumer Products; Fragrance	Gas
3108	Consumer Products: Hair Spray	CARB	Consumer Products; Hair Care Products	Gas
3109	Consumer Products: Hair Mousses	CARB	Consumer Products; Hair Care Products	Gas
3110	Consumer Products: Hair Shines	CARB	Consumer Products; Hair Care Products	Gas
3111	Consumer Products: Hair Styling Gels	CARB	Consumer Products; Hair Care Products	Gas
3112	Consumer Products: Nail Polish	CARB	Consumer Products; Nail Care Products	Gas
3113	Consumer Products: Nail Base Coats, Undercoats	CARB	Consumer Products; Nail Care Products	Gas
3114	Consumer Products: Nail Polish Removers	CARB	Consumer Products; Nail Care Products	Gas
3115	Consumer Products: Rubbing Alcohol	CARB	Consumer Products; Rubbing Alcohol	Gas
3116	Consumer Products: Shaving Creams	CARB	Consumer Products; Shaving Creams	Gas
3117	Consumer Products: Shaving Gels	CARB	Consumer Products; Shaving Gels	Gas
3118	Consumer Products: Foot Powders	CARB	Consumer Products; Foot Care Products	Gas
3119	Consumer Products: Personal Hygiene Sprays	CARB	Consumer Products; Personal Hygiene Products	Gas
3120	Consumer Products: Laundry Detergent	CARB	Consumer Products; Detergent; Laundry	Gas
3121	Consumer Products: Hand Dishwashing Soap	CARB	Consumer Products; Hand Soap	Gas
3122	Consumer Products: Heavy Duty Hand Cleaner Or Soap	CARB	Consumer Products; Hand Soap	Gas
3123	Consumer Products: Combined Small Categories	CARB	Consumer Products	Gas
3124	Aerosol Coatings: Clear Coatings (Unspecified)	CARB	Aerosol Coatings; Clear Coatings	Gas
3125	Aerosol Coatings: Flat Coatings (Unspecified)	CARB	Aerosol Coatings; Flat Coatings	Gas
3126	Aerosol Coatings: Fluorescent Coatings	CARB	Aerosol Coatings; Fluorescent Coatings	Gas
3127	Aerosol Coatings: Metallic Pigmented Coatings	CARB	Aerosol Coatings; Metallic Pigmented Coatings	Gas
3128	Aerosol Coatings: Non-Flat Coatings (Unspecified)	CARB	Aerosol Coatings; Nonflat Coatings	Gas
3129	Aerosol Coatings: Primers (Unspecified)	CARB	Aerosol Coatings; Primers	Gas
3130	Aerosol Coatings: Art Fixatives And Sealants	CARB	Aerosol Coatings; Art Fixatives and Sealants	Gas
3131	Aerosol Coatings: Auto Body Primers	CARB	Aerosol Coatings; Primers; Auto Body	Gas
3132	Aerosol Coatings: Auto Bumper And Trim Coatings	CARB	Aerosol Coatings; Auto Bumper	Gas
3133	Aerosol Coatings: Exact Match Engine Enamel	CARB	Aerosol Coatings; Automotive	Gas
3134	Aerosol Coatings: Exact Match Automotive Coatings	CARB	Aerosol Coatings; Automotive	Gas
3135	Aerosol Coatings: Ground/Traffic/Marking Coatings	CARB	Aerosol Coatings; Traffic Marking	Gas
3136	Aerosol Coatings: High Temperature Coatings	CARB	Aerosol Coatings	Gas
3137	Aerosol Coatings: Vinyl/Fabric/Leather/Polycarb Coatings	CARB	Aerosol Coatings; Vinyl; Fabric; Leather	Gas
3138	Aerosol Coatings: Coatings (Unspecified)	CARB	Aerosol Coatings	Gas
3139	Architectural Coatings: Solvent Borne	CARB	Architectural Coatings	Gas
3140	Architectural Coatings: Water Borne	CARB	Architectural Coatings	Gas
3141	Thinning Solvent/Mineral Spirits	CARB	Thinning Solvent/Mineral Spirits	Gas
3142	Consumer Products Composite: Adhesives And Sealants	CARB	Consumer Products; Adhesives and Sealants	Gas
3143	Consumer Products Composite: Automotive Products	CARB	Consumer Products; Automotive Products	Gas
3144	Consumer Products Composite: Solvents And Coating Related Products	CARB	Consumer Products; Solvents And Coating Products	Gas
3145	Consumer Products Composite: Pesticides/FIFRA-Regulated Products	CARB	Consumer Products; Pesticides/FIFRA-Regulated Products	Gas
3146	Consumer Products Composite: Household Products	CARB	Consumer Products; Household Products	Gas
3147	Consumer Products Composite: Personal Care Products	CARB	Consumer Products; Personal Care Products	Gas
3148	Consumer Products Composite: Soaps And Detergent Products	CARB	Consumer Products; Soaps And Detergent Products	Gas
3149	Aerosol Coatings: Overall Composite	CARB	Aerosol Coatings	Gas
3150	Gasoline Exhaust: Non-Catalyst- Stabilized	CARB	Motor Vehicle; Gasoline; Non-Catalyst; Stabilized Exhaust	Gas
3151	Gasoline Exhaust: Non-Catalyst - FTP bag1-3 STARTS	CARB	Motor Vehicle; Gasoline; Non-Catalyst; Starts	Gas
3152	Gasoline: Liquid - MTBE 11% - Commercial Grade	CARB	Liquid Gasoline; MTBE	Gas

Profile Number	Name	Data Origin	Keyword	Profile Type
3153	Hot Soak - MTBE Gasoline	CARB	Motor Vehicle; Hot Soak	Gas
3161	Diesel Exhaust - Farm equipment	CARB	Diesel Exhaust	Gas
3162	Gasoline Exhaust: Catalyst - FTP Bag 1-3 STARTS	CARB	Motor Vehicle; Gasoline; Catalyst; Starts	Gas
3163	Gasoline Exhaust: Catalyst - Stabilized	CARB	Motor Vehicle; Gasoline; Catalyst; Stabilized Exhaust	Gas
3164	Diurnal Resting Evaporative - Gasoline Headspace Vapor	CARB	Motor Vehicle; Gasoline; Diurnal & Resting Evaporatives	Gas
3165	Degreasing: Cold Cleaning (Batch, Conveyor, Spray Gun)	CARB	Degreasing	Gas
3166	Degreasing: Vapor Degreasing (Batch, Conveyor)	CARB	Degreasing	Gas
3167	Degreasing: Hand wiping	CARB	Degreasing	Gas
3168	Degreasing: Vapor Degreasing (Batch, Conveyor)	CARB	Degreasing	Gas
3169	Degreasing: Hand wiping	CARB	Degreasing	Gas
3170	Degreasing: Cold Cleaning (Batch, Conveyor, Spray Gun)	CARB	Degreasing	Gas
3171	Degreasing: Hand wiping	CARB	Degreasing	Gas
3172	Degreasing: Cold Cleaning (Batch, Conveyor, Spray Gun)	CARB	Degreasing	Gas
3173	Degreasing: Hand wiping	CARB	Degreasing	Gas
3174	Degreasing: Cold Cleaning (Batch, Conveyor, Spray Gun)	CARB	Degreasing	Gas
3175	Degreasing: Hand wiping	CARB	Degreasing	Gas
3176	Degreasing: Cold Cleaning (Batch, Conveyor, Spray Gun)	CARB	Degreasing	Gas
3177	Degreasing: Hand wiping	CARB	Degreasing	Gas
3178	Degreasing: Cold Cleaning (Batch, Conveyor, Spray Gun)	CARB	Degreasing	Gas
3179	Degreasing: Hand wiping	CARB	Degreasing	Gas
3180	Degreasing: Vapor Degreasing (Batch, Conveyor)	CARB	Degreasing	Gas
3181	Degreasing: Cold Cleaning (Batch, Conveyor, Spray Gun)	CARB	Degreasing	Gas
3182	Degreasing: Hand wiping	CARB	Degreasing	Gas
3183	Degreasing: Cold Cleaning (Batch, Conveyor, Spray Gun)	CARB	Degreasing	Gas
3184	Degreasing: Hand wiping	CARB	Degreasing	Gas
3185	Degreasing: Cold Cleaning (Batch, Conveyor, Spray Gun)	CARB	Degreasing	Gas
3186	Degreasing: Vapor Degreasing (Batch, Conveyor)	CARB	Degreasing	Gas
3187	Degreasing: Hand wiping	CARB	Degreasing	Gas
4420	Rice Straw Burning	EPA APPCD	Rice Straw Burning; Agricultural Burning; Prescribed Burning	Gas
4421	Wheat Straw Burning	EPA APPCD	Wheat Straw Burning; Agricultural Burning; Prescribed Burning	Gas
4422	Naphtha Solvent	CARB	Mineral Spirits; Stoddard Solvent; Petroleum Distillate; Naphtha; Aliphatic hydrocarbons; Aromatic hydrocarbon	Gas
4423	Mineral Spirits	CARB	Mineral Spirits; Stoddard Solvent; Petroleum Distillate; Naphtha; Aliphatic hydrocarbons	Gas
4424	Light HC Solvent	CARB	Mineral Spirits; Stoddard Solvent; Petroleum Distillate; Naphtha; Aliphatic hydrocarbons	Gas
4425	Naphtha	CARB	Mineral Spirits; Stoddard Solvent; Petroleum Distillate; Naphtha; Aliphatic hydrocarbons	Gas
4426	Lactol Spirits	CARB	Mineral Spirits; Stoddard Solvent; Petroleum Distillate; Naphtha; Aliphatic hydrocarbons; Lactol Spirits	Gas
4427	Mineral Spirits	CARB	Mineral Spirits; Stoddard Solvent; Petroleum Distillate; Naphtha; Aliphatic hydrocarbons	Gas
4428	Aromatic 100	CARB	Aromatic hydrocarbon	Gas
4429	Aromatic 150	CARB	Aromatic hydrocarbon	Gas
4430	Mineral Spirits	CARB	Mineral Spirits; Stoddard Solvent; Petroleum Distillate; Naphtha; Aliphatic hydrocarbons; Aromatic hydrocarbon	Gas
4431	Mineral Spirits	CARB	Mineral Spirits; Stoddard Solvent; Petroleum Distillate; Naphtha; Aliphatic hydrocarbons	Gas
4432	Mineral Spirits	CARB	Mineral Spirits; Stoddard Solvent; Petroleum Distillate; Naphtha; Aliphatic hydrocarbons	Gas
4433	Aromatic 100	CARB	Aromatic hydrocarbon	Gas
4434	Naphtha	CARB	Mineral Spirits; Stoddard Solvent; Petroleum Distillate; Naphtha; Aliphatic hydrocarbons	Gas
4435	Aliphatic Petroleum Distillates	CARB	Mineral Spirits; Stoddard Solvent; Petroleum Distillate; Naphtha; Aliphatic hydrocarbons	Gas
4436	Aliphatic Petroleum Distillates	CARB	Mineral Spirits; Stoddard Solvent; Petroleum Distillate; Naphtha; Aliphatic hydrocarbons	Gas

Profile Number	Name	Data Origin	Keyword	Profile Type
4437	Aromatic 150	CARB	Aromatic hydrocarbon	Gas
4438	Aliphatic Petroleum Distillates	CARB	Mineral Spirits; Stoddard Solvent; Petroleum Distillate; Naphtha; Aliphatic hydrocarbons	Gas
4439	Xylene Solvent	CARB	Aromatic hydrocarbon	Gas
4440	Stoddard Solvent	CARB	Mineral Spirits; Stoddard Solvent; Petroleum Distillate; Naphtha; Aliphatic hydrocarbons	Gas
4441	Aromatic 100	CARB	Aromatic hydrocarbon	Gas
4442	Aromatic 150	CARB	Aromatic hydrocarbon	Gas
4443	Naphtha	CARB	Mineral Spirits; Stoddard Solvent; Petroleum Distillate; Naphtha; Aliphatic hydrocarbons	Gas
4444	Naphtha	CARB	Mineral Spirits; Stoddard Solvent; Petroleum Distillate; Naphtha; Aliphatic hydrocarbons	Gas
4445	Mineral Spirits	CARB	Mineral Spirits; Stoddard Solvent; Petroleum Distillate; Naphtha; Aliphatic hydrocarbons	Gas
4446	Mineral Spirits	CARB	Mineral Spirits; Stoddard Solvent; Petroleum Distillate; Naphtha; Aliphatic hydrocarbons	Gas
4447	Xylene Solvent	CARB	Aromatic hydrocarbon	Gas
4448	Naphtha Solvent - Light	CARB	Aromatic hydrocarbon	Gas
4449	Aliphatic Petroleum Distillates	CARB	Mineral Spirits; Stoddard Solvent; Petroleum Distillate; Naphtha; Aliphatic hydrocarbons	Gas
4450	Naphtha	CARB	Mineral Spirits; Stoddard Solvent; Petroleum Distillate; Naphtha; Aliphatic hydrocarbons; Aromatic hydrocarbon	Gas
4451	Aromatic 100	CARB	Aromatic hydrocarbon	Gas
4452	Aromatic 150	CARB	Aromatic hydrocarbon	Gas
4453	Mineral Spirits	CARB	Mineral Spirits; Stoddard Solvent; Petroleum Distillate; Naphtha; Aliphatic hydrocarbons	Gas
4454	Xylene Solvent	CARB	Aromatic hydrocarbon	Gas
4455	Naphtha	CARB	Mineral Spirits; Stoddard Solvent; Petroleum Distillate; Naphtha; Aliphatic hydrocarbons	Gas
4456	Aromatic 100	CARB	Aromatic hydrocarbon	Gas
4457	Aromatic 150	CARB	Aromatic hydrocarbon	Gas
4458	Paraffinic Petroleum Distillate	CARB	Mineral Spirits; Stoddard Solvent; Petroleum Distillate; Naphtha; Aliphatic hydrocarbons	Gas
4459	Xylene Solvent	CARB	Aromatic hydrocarbon	Gas
4460	Xylene Solvent	CARB	Aromatic hydrocarbon	Gas
4461	Aromatic 100	CARB	Aromatic hydrocarbon	Gas
4462	Mineral Spirits	CARB	Mineral Spirits; Stoddard Solvent; Petroleum Distillate; Naphtha; Aliphatic hydrocarbons	Gas
4469	Gasoline Headspace Vapor - Exxon Grade 87 - adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	Gas
4470	Gasoline Headspace Vapor - Exxon Grade 89 - adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	Gas
4471	Gasoline Headspace Vapor - Exxon Grade 93 - adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	Gas
4472	Gasoline Headspace Vapor - Texaco Grade 87 - adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	Gas
4473	Gasoline Headspace Vapor - Texaco Grade 89 - adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	Gas
4474	Gasoline Headspace Vapor - Texaco Grade 93 - adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	Gas
4475	Gasoline Headspace Vapor - Chevron Grade 87 - adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	Gas
4476	Gasoline Headspace Vapor - Chevron Grade 89 - adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	Gas
4477	Gasoline Headspace Vapor - Chevron Grade 93 - adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	Gas
4478	Gasoline Headspace Vapor - Conoco Grade 87 - adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	Gas
4479	Gasoline Headspace Vapor - Conoco Grade 89 - adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	Gas
4480	Gasoline Headspace Vapor - Conoco Grade 93 - adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	Gas
4481	Gasoline Headspace Vapor - Shell Grade 87 - adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	Gas
4482	Gasoline Headspace Vapor - Shell Grade 89 - adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	Gas
4483	Gasoline Headspace Vapor - Shell Grade 93 - adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	Gas
4484	Gasoline Headspace Vapor - Texaco Super - adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	Gas
4485	Gasoline Headspace Vapor - Texaco Plus - adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	Gas
4486	Gasoline Headspace Vapor - Texaco Regular - adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	Gas
4487	Gasoline Headspace Vapor - Shell Super - adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	Gas
4488	Gasoline Headspace Vapor - Shell Plus - adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	Gas





Profile Number	Name	Data Origin	Keyword	Profile Type
4536	Gasoline - Citgo Grade 87 - adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
4537	Gasoline Headspace Vapor - Texaco Grade 87 - adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	Gas
4538	Gasoline Headspace Vapor - Texaco Grade 89 - adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	Gas
4539	Gasoline Headspace Vapor - Texaco Grade 93 - adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	Gas
4540	Gasoline Headspace Vapor - Circle K Grade 87 - adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	Gas
4541	Gasoline Headspace Vapor - Circle K Grade 87 - adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	Gas
4542	Gasoline Headspace Vapor - Circle K Grade 89 - adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	Gas
4543	Gasoline Headspace Vapor - Circle K Grade 93 - adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	Gas
4544	Gasoline Headspace Vapor - Amoco Grade 87 - adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	Gas
4545	Gasoline Headspace Vapor - Amoco Grade 89 - adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	Gas
4546	Gasoline Headspace Vapor - Amoco Grade 93 - adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	Gas
4547	Gasoline Headspace Vapor - Circle K Diesel - adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	Gas
4548	Gasoline Headspace Vapor - Independent Diesel - adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	Gas
4549	Diesel Headspace Vapor - Super America Diesel - adjusted for oxygenates	EPA NERL	Diesel fuel headspace vapor	Gas
4550	Diesel Headspace Vapor - Citgo Diesel - adjusted for oxygenates	EPA NERL	Diesel fuel headspace vapor	Gas
4551	Diesel Headspace Vapor - Shell Diesel - adjusted for oxygenates	EPA NERL	Diesel fuel headspace vapor	Gas
4552	Diesel Headspace Vapor - Citgo Diesel - adjusted for oxygenates	EPA NERL	Diesel fuel headspace vapor	Gas
4553	Meat charbroiling	Literature-Schauer	Meat charbroiling, natural gas-fired charbroiler, hamburger charbroiling	Gas
4555	Gasoline	Literature-Schauer	Liquid gasoline	Gas
4556	Gasoline Exhaust - Catalyst	Literature-Schauer	gasoline vehicle exhaust	Gas
4557	Gasoline Exhaust - Noncatalyst	Literature-Schauer	gasoline vehicle exhaust	Gas
4560	Gasoline Headspace Vapor - Shell Grade 87 - adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	Gas
4561	Gasoline Headspace Vapor - Citgo Grade 87 - adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	Gas
4562	Gasoline - Exxon Grade 87 - adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
4563	Gasoline - Exxon Grade 89 - adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
4564	Gasoline - Exxon Grade 93 - adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
4565	Gasoline - Texaco Grade 87 - adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
4566	Gasoline - Texaco Grade 89 - adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
4567	Gasoline - Texaco Grade 93 - adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
4568	Gasoline - Chevron Grade 87 - adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
4569	Gasoline - Chevron Grade 89 - adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
4570	Gasoline - Chevron Grade 93 - adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
4571	Gasoline - Conoco Grade 87 - adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
4572	Gasoline - Conoco Grade 89 - adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
4573	Gasoline - Conoco Grade 93 - adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
4574	Gasoline - Shell Grade 87 - adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
4575	Gasoline - Shell Grade 89 - adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
4576	Gasoline - Shell Grade 93 - adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
4577	Gasoline - Shell Super - adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
4578	Gasoline - Shell Plus - adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
4579	Gasoline - Shell Regular - adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
4580	Gasoline - Chevron Super - adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
4581	Gasoline - Chevron Plus - adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas

Profile Number	Name	Data Origin	Keyword	Profile Type
4582	Gasoline - Chevron Regular - adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
4583	Gasoline - 76 Super - adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
4584	Gasoline - 76 Plus - adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
4585	Gasoline - 76 Regular - adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
4586	Gasoline - Texaco Super - adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
4587	Gasoline - Texaco Plus - adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
4588	Gasoline - Texaco Regular - adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
4589	Gasoline - ARCO Super - adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
4590	Gasoline - ARCO Plus - adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
4591	Gasoline - ARCO Regular - adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
4592	Gasoline - Amoco Grade 87 - adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
4593	Gasoline - Mapco Grade 87 - adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
4594	Gasoline - Citgo Grade 87 - adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
4595	Gasoline - BP Grade 87 - adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
4596	Gasoline - Exxon Grade 87 - adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
4597	Gasoline - Amoco Grade 89 - adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
4598	Gasoline - Mapco Grade 89 - adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
4599	Gasoline - Citgo Grade 89 - adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
4600	Gasoline - BP Grade 89 - adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
4601	Gasoline - Exxon Grade 89 - adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
4602	Gasoline - Amoco Grade 93 - adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
4603	Gasoline - Mapco Grade 93 - adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
4604	Gasoline - Citgo Grade 93 - adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
4605	Gasoline - BP Grade 93 - adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
4606	Gasoline - Exxon Grade 93 - adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
4607	Gasoline - Amoco Grade 93 - adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
4608	Gasoline - BP Grade 93 - adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
4609	Gasoline - Exxon Grade 93 - adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
4610	Gasoline - Mapco #1 Grade 93 - adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
4611	Gasoline - Mapco #2 Grade 93 - adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
4612	Gasoline - Amoco Grade 89 - adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
4613	Gasoline - BP Grade 89 - adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
4614	Gasoline - Exxon Grade 89 - adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
4615	Gasoline - Mapco #1 Grade 89 - adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
4616	Gasoline - Mapco #2 Grade 89 - adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
4617	Gasoline - Amoco Grade 87 - adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
4618	Gasoline - BP Grade 87 - adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
4619	Gasoline - Exxon Grade 87 - adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
4620	Gasoline - Mapco #1 Grade 87 - adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
4621	Gasoline - Mapco #2 Grade 87 - adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
4622	Gasoline - Amoco Grade 87 - adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
4623	Gasoline - Amoco Grade 89 - adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
4624	Gasoline - Amoco Grade 93 - adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
4625	Gasoline - Exxon Grade 87 - adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
4626	Gasoline - Exxon Grade 89 - adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
4627	Gasoline - Exxon Grade 93 - adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
4628	Gasoline - Citgo Grade 87 - adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas

Profile Number	Name	Data Origin	Keyword	Profile Type
4629	Gasoline - Citgo Grade 89 - adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
4630	Gasoline - Citgo Grade 93 - adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
4631	Gasoline - Texaco Grade 87 - adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
4632	Gasoline - Texaco Grade 89 - adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
4633	Gasoline - Texaco Grade 93 - adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
4634	Gasoline -Circle K Grade 87 - adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
4635	Gasoline -Circle K Grade 89 - adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
4636	Gasoline -Circle K Grade 93 - adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
4637	Gasoline - Amoco Grade 87 - adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
4638	Gasoline - Amoco Grade 89 - adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
4639	Gasoline - Amoco Grade 93 - adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
4640	Fireplace wood combustion - eucalyptus wood	Literature-Schauer	Vegetative Burning; Fireplace; Wood Smoke	Gas
4641	Fireplace wood combustion - oak wood	Literature-Schauer	Vegetative Burning; Fireplace; Wood Smoke	Gas
4642	Fireplace wood combustion - pine wood	Literature-Schauer	Vegetative Burning; Fireplace; Wood Smoke	Gas
4646	Gasoline - 1995	Literature-Schauer	Liquid gasoline	Gas
4647	Gasoline - 1993	Literature-Schauer	Liquid gasoline	Gas
4648	Gasoline Headspace Vapor - 1995	Literature-Schauer	Gasoline headspace vapor	Gas
4649	Gasoline Headspace Vapor - 1993	Literature-Schauer	Gasoline headspace vapor	Gas
4650	Cooking vegetables - Stir frying in soybean oil	Literature-Schauer	Cooking vegetables; Stir frying	Gas
4651	Cooking vegetables - Stir frying in canola oil	Literature-Schauer	Cooking vegetables; Stir frying	Gas
4652	Cooking potatoes - Deep frying in hydrogenated oil	Literature-Schauer	Cooking potatoes; Deep frying	Gas
4659	Cigarette smoke	Literature-Schauer	cigarette smoke	Gas
4661	Industrial surface coating operations - water based	Literature-Schauer	Industrial Spray Painting Operations; Surface coating water-based	Gas
4662	Industrial surface coating operations - oil based	Literature-Schauer	Industrial Spray Painting Operations; Surface coating oil-based	Gas
4673	Diesel composition	Literature-Schauer	Diesel fuel	Gas
4674	Diesel exhaust - medium duty trucks	Literature-Schauer	diesel truck exhaust, motor vehicles	Gas
4676	Gasoline - Amoco Grade 87 - adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
4677	Gasoline - Amoco Grade 93 - adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
4678	Gasoline - Citgo Grade 87 - adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
4679	Gasoline - Citgo Grade 93 - adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
4680	Gasoline - Clark Grade 87 - adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
4681	Gasoline - Clark Grade 93 - adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
4682	Gasoline - Mobile Grade 87 - adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas

Profile Number	Name	Data Origin	Keyword	Profile Type
4683	Gasoline - Mobile Grade 93 - adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
4684	Gasoline - Shell Grade 87 - adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
4685	Gasoline - Shell Grade 93 - adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
4686	Gasoline - SuperAmerica Grade 87 - adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
4687	Gasoline - SuperAmerica Grade 92 - adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
4688	Gasoline Headspace Vapor - BP Grade 87 - adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	Gas
4689	Gasoline Headspace Vapor - BP Grade 89 - adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	Gas
4690	Gasoline Headspace Vapor - BP Grade 93 - adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	Gas
4691	Gasoline Headspace Vapor - Mobile Grade 87 - adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	Gas
4692	Gasoline Headspace Vapor - Mobile Grade 89 - adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	Gas
4693	Gasoline Headspace Vapor - Mobile Grade 93 - adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	Gas
4694	Gasoline Headspace Vapor - Sunoco Gasohol - adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	Gas
4695	Gasoline - BP Grade 87 - adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
4696	Gasoline - BP Grade 89 - adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
4697	Gasoline - BP Grade 93 - adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
4698	Gasoline - Mobile Grade 87 - adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
4699	Gasoline - Mobile Grade 89 - adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
4700	Gasoline - Mobile Grade 93 - adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
4701	Gasoline - Sunoco Gasohol - adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
4702	Diesel Headspace Vapor - Shell Diesel - adjusted for oxygenates	EPA NERL	Diesel fuel headspace vapor	Gas
4703	Diesel Headspace Vapor - Marathon Diesel - adjusted for oxygenates	EPA NERL	Diesel fuel headspace vapor	Gas
4710	Olefins manufacturing (ethylene and propylene, SIC 2869)	1999 NEI	Olefins manufacturing	Gas
4711	Olefins manufacturing (ethylene and propylene, SIC 2869)	1999 NEI	Olefins manufacturing	Gas
4712	Olefins manufacturing (ethylene and propylene, SIC 2869)	1999 NEI	Olefins manufacturing	Gas
4713	Petroleum Refining (SIC 2911)	1999 NEI	Petroleum Refining	Gas
4714	Petroleum Refining (SIC 2911)	1999 NEI	Petroleum Refining	Gas
4715	Petroleum Refining (SIC 2911)	1999 NEI	Petroleum Refining	Gas
4716	Petroleum Refining (SIC 2911)	1999 NEI	Petroleum Refining	Gas
4717	Petroleum Refining (SIC 2911)	1999 NEI	Petroleum Refining	Gas
4730	External Combustion - Pulp and Paper Mills Kraft Process Recovery Boiler	EPA APPCD	Boiler; Pulp and Paper Mills	Gas
4731	External Combustion - Pulp and Paper Mills Kraft Process Recovery Boiler	EPA APPCD	Boiler; Pulp and Paper Mills	Gas
4732	External Combustion - Pulp and Paper Mills Kraft Process Recovery Boiler	EPA APPCD	Boiler; Pulp and Paper Mills	Gas
6000	Gasoline Headspace Vapors (Unburned Gasoline Summertime)	SPECIATE 3.2	GASOLINE; GASOLINE HEADSPACE	Gas
6001	Non-Catalyst Gasoline Light Duty Vehicle Exhaust	SPECIATE 3.2	NON-CATALYST VEHICLE EXHAUST; VEHICLES; GASOLINE COMBUSTION	Gas
6002	Surface Coating Operations (Industrial)	SPECIATE 3.2	COATING; INDUSTRIAL	Gas
6003	Architectural Coatings (Solvent Coating and Thinning Solvent)	SPECIATE 3.2	ARCHITECTURAL COATING; COATING; SOLVENT	Gas
6004	Whole Liquid Unburned Gasoline (Summer Blend)	SPECIATE 3.2	GASOLINE - WHOLE; GASOLINE; GASOLINE - SUMMER	Gas
7000	Whole Gasoline: Service Station Profile	SPECIATE 3.2	GASOLINE - WHOLE; GASOLINE; SERVICE STATION	Gas
7001	Whole Gasoline: Composite of Four Whole Gasoline Profiles	SPECIATE 3.2	GASOLINE - WHOLE; GASOLINE; SERVICE STATION	Gas
7002	Whole Gasoline: Workplace Exposures Profile (Bulk Loading Facilities)	SPECIATE 3.2	GASOLINE - WHOLE; GASOLINE; BULK LOADING FACILITIES	Gas
7003	Whole Gasoline: 1990 Atlanta Precursor Study: Weighted Average of Three Octane Grades	SPECIATE 3.2	GASOLINE - WHOLE; GASOLINE; VEHICLES	Gas
7004	Whole Gasoline: 1990 Atlanta Precursor Study: 87 Octane Gasoline	SPECIATE 3.2	GASOLINE - WHOLE; GASOLINE; GASOLINE - 87 OCTANE	Gas
7005	Whole Gasoline: 1990 Atlanta Precursor Study: 89 Octane Gasoline	SPECIATE 3.2	GASOLINE - WHOLE; GASOLINE; GASOLINE - 89 OCTANE	Gas
8001	Solvent Utilization:1,2,4-Trichlorobenzene	SPECIATE 3.2	SOLVENT; TRICHLOROBENZENE	Gas
8005	Solvent Utilization:1,2 Dichloroethane	SPECIATE 3.2	DICHLOROETHANE; SOLVENT	Gas
8020	Solvent Utilization:2-Ethylhexanol	SPECIATE 3.2	ETHYLHEXANOL; SOLVENT	Gas

Profile Number	Name	Data Origin	Keyword	Profile Type
8025	Solvent Utilization:Acetal & Other Aroma Chemicals	SPECIATE 3.2	SOLVENT; ACETAL CHEMICALS	Gas
8035	Solvent Utilization:Acetonitrile	SPECIATE 3.2	ACETONITRILE; SOLVENT	Gas
8040	Solvent Utilization:Amyl Alcohols (Mixed)	SPECIATE 3.2	AMYL ALCOHOL; SOLVENT	Gas
8045	Solvent Utilization:Benzyl Alcohol	SPECIATE 3.2	BENZYL ALCOHOL; SOLVENT	Gas
8050	Solvent Utilization:Buty Benzoate	SPECIATE 3.2	BUTY BENZOATE; SOLVENT	Gas
8075	Solvent Utilization:Carbon Disulfide	SPECIATE 3.2	CARBON DISULFIDE; SOLVENT	Gas
8085	Solvent Utilization:Chlorofluorocarbons: General	SPECIATE 3.2	CHLOROFLUOROCARBONS; SOLVENT	Gas
8095	Solvent Utilization:Cresylic Acid	SPECIATE 3.2	CRESYLIC ACID; SOLVENT	Gas
8105	Solvent Utilization:Decanol	SPECIATE 3.2	DECANOL; SOLVENT	Gas
8110	Solvent Utilization:Diacetone Alcohol	SPECIATE 3.2	DIACETONE ALCOHOL; SOLVENT	Gas
8115	Solvent Utilization:Diethylamine	SPECIATE 3.2	DIETHYLAMINE; SOLVENT	Gas
8125	Solvent Utilization:Diethylene Glycol Monobutyl Ether	SPECIATE 3.2	DIETHYLENE GLYCOL BUTYL ETHER; SOLVENT	Gas
8130	Solvent Utilization:Diethylene Glycol Monoethyl Ether	SPECIATE 3.2	DIETHYLENE GLYCOL ETHYL ETHER; SOLVENT	Gas
8135	Solvent Utilization:Diethylene Glycol Monomethyl Ether	SPECIATE 3.2	DIETHYLENE GLYCOL METHYL ETHER; SOLVENT	Gas
8140	Solvent Utilization:Dimethyl Acetamide	SPECIATE 3.2	DIMETHYL ACETAMIDE; SOLVENT	Gas
8145	Solvent Utilization:Dimethylamine	SPECIATE 3.2	DIMETHYLAMINE; SOLVENT	Gas
8160	Solvent Utilization:Dipropylene Glycol Monomethyl Ether	SPECIATE 3.2	DIPROPYLENE GLYCOL METHYL ETHER; SOLVENT	Gas
8175	Solvent Utilization:Ethyl Chloride (Chloroethane)	SPECIATE 3.2	ETHYL CHLORIDE; CHLOROETHANE; SOLVENT	Gas
8200	Solvent Utilization:Ethylene Glycol Monoethyl Ether (2-Ethoxyethanol)	SPECIATE 3.2	ETHOXYETHANOL, 2-; ETHYLENE GLYCOL ETHYL ETHER; SOLVENT	Gas
8205	Solvent Utilization:Ethylene Glycol Monoethyl Ether Acetate	SPECIATE 3.2	GLYCOL ETHYL ETHER ACETATE; SOLVENT	Gas
8210	Solvent Utilization:Ethylene Glycol Monomethyl Ether (2-Methoxyethanol)	SPECIATE 3.2	ETHYLENE GLYCOL METHYL ETHER; METHOXYETHANOL, 2-; SOLVENT	Gas
8215	Solvent Utilization:Ethylene Glycol Monobutyl Ether (2-Butoxyethanol)	SPECIATE 3.2	BUTOXYETHANOL, 2-; ETHYLENE GLYCOL BUTYL ETHER; SOLVENT	Gas
8220	Solvent Utilization:Formalin	SPECIATE 3.2	FORMALIN; SOLVENT	Gas
8225	Solvent Utilization:Formic Acid	SPECIATE 3.2	FORMIC ACID; SOLVENT	Gas
8235	Solvent Utilization:Glycol Ethers: All Types	SPECIATE 3.2	GLYCOL ETHERS; SOLVENT	Gas
8245	Solvent Utilization:Isobutyl Acetate	SPECIATE 3.2	ISOBUTYL ACETATE; SOLVENT	Gas
8265	Solvent Utilization:Methyl Chloride	SPECIATE 3.2	METHYL CHLORIDE; SOLVENT	Gas
8280	Solvent Utilization:Methyl Isobutyl Carbinol	SPECIATE 3.2	METHYL ISOBUTYL CARBINOL; SOLVENT	Gas
8290	Solvent Utilization:Methylamine	SPECIATE 3.2	METHYLAMINE; SOLVENT	Gas
8305	Solvent Utilization:N-Methyl-2-Pyrrolidone	SPECIATE 3.2	METHYL-2-PYRROLIDINONE; SOLVENT	Gas
8310	Solvent Utilization:N-Propanol	SPECIATE 3.2	PROPANOL; SOLVENT	Gas
8315	Solvent Utilization:Naphthenic Acids	SPECIATE 3.2	NAPHTHENIC ACIDS; SOLVENT	Gas
8325	Solvent Utilization:o-,m-, & p-Cresol	SPECIATE 3.2	CRESOL; SOLVENT	Gas
8335	Solvent Utilization:Oxalic Acid	SPECIATE 3.2	OXALIC ACID; SOLVENT	Gas
8340	Solvent Utilization:P-Dichlorobenzene	SPECIATE 3.2	DICHLOROBENZENE; SOLVENT	Gas
8355	Solvent Utilization:Propylene Glycol Monomethyl Ether	SPECIATE 3.2	PROPYLENE GLYCOL METHYL ETHER; SOLVENT	Gas
8360	Solvent Utilization:Propylene Glycol Monomethyl Ether Acetate	SPECIATE 3.2	SOLVENT; GLYCOL MONOMETHYL ETHER ACETAT	Gas
8365	Solvent Utilization:Pyridine	SPECIATE 3.2	PYRIDINE; SOLVENT	Gas
8375	Solvent Utilization:Tetrahydrofuran	SPECIATE 3.2	SOLVENT; TETROHYDROFURAN	Gas
8395	Solvent Utilization:Triethylamine	SPECIATE 3.2	SOLVENT; TRIETHYLAMINE	Gas
8400	Solvent Utilization:Triethylene Glycol	SPECIATE 3.2	SOLVENT; TRIETHYLENE GLYCOL	Gas
8500	Consumer and Commercial Products: Comprehensive Consumer and Commercial Product Profile	SPECIATE 3.2	CONSUMER PRODUCTS; COMMERCIAL PRODUCTS	Gas
8501	Consumer and Commercial Products: Personal Care Products: All Personal Care Products	SPECIATE 3.2	CONSUMER PRODUCTS; COMMERCIAL PRODUCTS; PERSONAL CARE PRODUCTS	Gas
8502	Consumer and Commercial Products: Personal Care Products: Hair Care Products	SPECIATE 3.2	CONSUMER PRODUCTS; COMMERCIAL PRODUCTS; PERSONAL CARE PRODUCTS; HAIR CARE PRODUCTS	Gas

Profile Number	Name	Data Origin	Keyword	Profile Type
8503	Consumer and Commercial Products: Personal Care Products: Deodorants and Antiperspirants	SPECIATE 3.2	CONSUMER PRODUCTS; COMMERCIAL PRODUCTS; PERSONAL CARE PRODUCTS; DEODORANTS; ANTIPERSPIRANTS	Gas
8504	Consumer and Commercial Products: Personal Care Products: Fragrance Products	SPECIATE 3.2	CONSUMER PRODUCTS; COMMERCIAL PRODUCTS; PERSONAL CARE PRODUCTS; FRAGRANCE PRODUCTS	Gas
8505	Consumer and Commercial Products: Personal Care Products: Powders	SPECIATE 3.2	CONSUMER PRODUCTS; COMMERCIAL PRODUCTS; PERSONAL CARE PRODUCTS; POWDERS (PERSONAL CARE)	Gas
8506	Consumer and Commercial Products: Personal Care Products: Nail Care Products	SPECIATE 3.2	CONSUMER PRODUCTS; COMMERCIAL PRODUCTS; PERSONAL CARE PRODUCTS; NAIL CARE PRODUCTS	Gas
8507	Consumer and Commercial Products: Personal Care Products: Facial and Body Treatments	SPECIATE 3.2	CONSUMER PRODUCTS; COMMERCIAL PRODUCTS; PERSONAL CARE PRODUCTS; FACIAL TREATMENTS	Gas
8508	Consumer and Commercial Products: Personal Care Products: Oral Care Products	SPECIATE 3.2	CONSUMER PRODUCTS; COMMERCIAL PRODUCTS; PERSONAL CARE PRODUCTS; ORAL CARE PRODUCTS	Gas
8509	Consumer and Commercial Products: Personal Care Products: Health Use Products	SPECIATE 3.2	CONSUMER PRODUCTS; COMMERCIAL PRODUCTS; PERSONAL CARE PRODUCTS; HEALTH USE PRODUCTS	Gas
8510	Consumer and Commercial Products: Personal Care Products: Miscellaneous Personal Care Products	SPECIATE 3.2	CONSUMER PRODUCTS; COMMERCIAL PRODUCTS; PERSONAL CARE PRODUCTS	Gas
8511	Consumer and Commercial Products: Household Products: All Household Products	SPECIATE 3.2	CONSUMER PRODUCTS; COMMERCIAL PRODUCTS; HOUSEHOLD PRODUCTS	Gas
8512	Consumer and Commercial Products: Household Products: Hard Surface Cleaners	SPECIATE 3.2	CONSUMER PRODUCTS; COMMERCIAL PRODUCTS; HOUSEHOLD PRODUCTS; CLEANER, HARD SURFACE	Gas
8513	Consumer and Commercial Products: Household Products: Laundry Products	SPECIATE 3.2	CONSUMER PRODUCTS; COMMERCIAL PRODUCTS; HOUSEHOLD PRODUCTS; LAUNDRY PRODUCTS	Gas
8514	Consumer and Commercial Products: Household Products: Fabric and Carpet Care Products	SPECIATE 3.2	CONSUMER PRODUCTS; COMMERCIAL PRODUCTS; HOUSEHOLD PRODUCTS; CARPET CARE PRODUCTS	Gas
8515	Consumer and Commercial Products: Household Products: Dishwashing Products	SPECIATE 3.2	CONSUMER PRODUCTS; COMMERCIAL PRODUCTS; HOUSEHOLD PRODUCTS; DISHWASHING PRODUCTS	Gas
8516	Consumer and Commercial Products: Household Products: Waxes and Polishes	SPECIATE 3.2	CONSUMER PRODUCTS; COMMERCIAL PRODUCTS; HOUSEHOLD PRODUCTS; WAXES; POLISHES	Gas
8517	Consumer and Commercial Products: Household Products: Air Fresheners	SPECIATE 3.2	COMMERCIAL PRODUCTS; CONSUMER PRODUCTS; HOUSEHOLD PRODUCTS; AIR FRESHENERS	Gas
8518	Consumer and Commercial Products: Household Products: Shoe and Leather Care Products	SPECIATE 3.2	CONSUMER PRODUCTS; COMMERCIAL PRODUCTS; HOUSEHOLD PRODUCTS; LEATHER CARE PRODUCTS; SHOE CARE PRODUCTS	Gas
8519	Consumer and Commercial Products: Household Products: Miscellaneous Household Products	SPECIATE 3.2	CONSUMER PRODUCTS; COMMERCIAL PRODUCTS; HOUSEHOLD PRODUCTS	Gas
8520	Consumer and Commercial Products: Automotive Aftermarket Products: All Automotive Aftermarket Products	SPECIATE 3.2	CONSUMER PRODUCTS; COMMERCIAL PRODUCTS; AUTOMOBILE PRODUCTS	Gas
8521	Consumer and Commercial Products: Automotive Aftermarket Products: Detailing Products	SPECIATE 3.2	CONSUMER PRODUCTS; COMMERCIAL PRODUCTS; AUTOMOBILE PRODUCTS	Gas
8522	Consumer and Commercial Products: Automotive Aftermarket Products: Maintenance and Repair Products	SPECIATE 3.2	CONSUMER PRODUCTS; COMMERCIAL PRODUCTS; AUTOMOBILE PRODUCTS	Gas
8523	Consumer and Commercial Products: Adhesives and Sealants: All Adhesives and Sealants	SPECIATE 3.2	CONSUMER PRODUCTS; COMMERCIAL PRODUCTS; SEALANTS; ADHESIVE	Gas
8524	Consumer and Commercial Products: Adhesives and Sealants: Consumer Adhesives	SPECIATE 3.2	CONSUMER PRODUCTS; COMMERCIAL PRODUCTS; ADHESIVE	Gas
8525	Consumer and Commercial Products: Adhesives and Sealants: Sealants	SPECIATE 3.2	CONSUMER PRODUCTS; COMMERCIAL PRODUCTS; SEALANTS	Gas
8526	Consumer and Commercial Products: Fifra Related Products: All Fifra Related Products	SPECIATE 3.2	CONSUMER PRODUCTS; COMMERCIAL PRODUCTS; FIFRA RELATED PRODUCTS	Gas
8527	Consumer and Commercial Products: Fifra Related Products: Insecticides	SPECIATE 3.2	CONSUMER PRODUCTS; COMMERCIAL PRODUCTS; FIFRA RELATED PRODUCTS; INSECTICIDES	Gas

Profile Number	Name	Data Origin	Keyword	Profile Type
8528	Consumer and Commercial Products: Fifra Related Products: Fungicides and Nematodes	SPECIATE 3.2	CONSUMER PRODUCTS; COMMERCIAL PRODUCTS; FIFRA RELATED PRODUCTS; FUNGICIDES; NEMATOCIDES	Gas
8529	Consumer and Commercial Products: Fifra Related Products: Herbicides	SPECIATE 3.2	CONSUMER PRODUCTS; COMMERCIAL PRODUCTS; FIFRA RELATED PRODUCTS; HERBICIDES	Gas
8530	Consumer and Commercial Products: Fifra Related Products: Antimicrobial Agents	SPECIATE 3.2	CONSUMER PRODUCTS; COMMERCIAL PRODUCTS; FIFRA RELATED PRODUCTS; ANTIMICROBIAL AGENTS	Gas
8531	Consumer and Commercial Products: Fifra Related Products: Other FIFRA-Regulated Products	SPECIATE 3.2	CONSUMER PRODUCTS; COMMERCIAL PRODUCTS; FIFRA RELATED PRODUCTS	Gas
8532	Consumer and Commercial Products: Coatings and Related Products: All Coatings and Related Products	SPECIATE 3.2	CONSUMER PRODUCTS; COMMERCIAL PRODUCTS; COATING	Gas
8533	Consumer and Commercial Products: Coatings and Related Products: Aerosol Spray Paints	SPECIATE 3.2	CONSUMER PRODUCTS; COMMERCIAL PRODUCTS; COATING	Gas
8534	Consumer and Commercial Products: Coatings and Related Products: Coating-Related Products	SPECIATE 3.2	CONSUMER PRODUCTS; COMMERCIAL PRODUCTS; COATING	Gas
8535	Consumer and Commercial Products: Miscellaneous Products: All Miscellaneous Products	SPECIATE 3.2	CONSUMER PRODUCTS; COMMERCIAL PRODUCTS	Gas
8536	Consumer and Commercial Products: Miscellaneous Products: Arts and Crafts Supplies	SPECIATE 3.2	CONSUMER PRODUCTS; COMMERCIAL PRODUCTS; CRAFT SUPPLIES	Gas
8537	Consumer and Commercial Products: Miscellaneous Products: Non-Pesticidal Veterinary and Pet Products	SPECIATE 3.2	CONSUMER PRODUCTS; COMMERCIAL PRODUCTS; VETERINARY (NON-PESTICIDAL); PET PRODUCTS	Gas
8538	Consumer and Commercial Products: Miscellaneous Products: Pressurized Food Products	SPECIATE 3.2	CONSUMER PRODUCTS; COMMERCIAL PRODUCTS; FOOD	Gas
8539	Consumer and Commercial Products: Miscellaneous Products: Office Supplies	SPECIATE 3.2	CONSUMER PRODUCTS; COMMERCIAL PRODUCTS; OFFICE SUPPLIES	Gas
8540	Gasoline Headspace Vapor - Exxon Grade 87 - not adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	Gas
8541	Gasoline Headspace Vapor - Exxon Grade 89 - not adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	Gas
8542	Gasoline Headspace Vapor - Exxon Grade 93 - not adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	Gas
8543	Gasoline Headspace Vapor - Texaco Grade 87 - not adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	Gas
8544	Gasoline Headspace Vapor - Texaco Grade 89 - not adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	Gas
8545	Gasoline Headspace Vapor - Texaco Grade 93 - not adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	Gas
8546	Gasoline Headspace Vapor - Chevron Grade 87 - not adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	Gas
8547	Gasoline Headspace Vapor - Chevron Grade 89 - not adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	Gas
8548	Gasoline Headspace Vapor - Chevron Grade 93 - not adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	Gas
8549	Gasoline Headspace Vapor - Conoco Grade 87 - not adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	Gas
8550	Gasoline Headspace Vapor - Conoco Grade 89 - not adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	Gas
8551	Gasoline Headspace Vapor - Conoco Grade 93 - not adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	Gas
8552	Gasoline Headspace Vapor - Shell Grade 87 - not adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	Gas
8553	Gasoline Headspace Vapor - Shell Grade 89 - not adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	Gas
8554	Gasoline Headspace Vapor - Shell Grade 93 - not adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	Gas
8555	Gasoline Headspace Vapor - Texaco Super - not adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	Gas
8556	Gasoline Headspace Vapor - Texaco Plus - not adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	Gas
8557	Gasoline Headspace Vapor - Texaco Regular - not adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	Gas
8558	Gasoline Headspace Vapor - Shell Super - not adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	Gas
8559	Gasoline Headspace Vapor - Shell Plus - not adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	Gas
8560	Gasoline Headspace Vapor - Shell Regular - not adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	Gas
8561	Gasoline Headspace Vapor - Arco Super - not adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	Gas
8562	Gasoline Headspace Vapor - Arco Plus - not adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	Gas
8563	Gasoline Headspace Vapor - Arco Regular - not adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	Gas
8564	Gasoline Headspace Vapor - Chevron Super - not adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	Gas





Profile Number	Name	Data Origin	Keyword	Profile Type
8612	Gasoline Headspace Vapor - Circle K Grade 87 - not adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	Gas
8613	Gasoline Headspace Vapor - Circle K Grade 89 - not adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	Gas
8614	Gasoline Headspace Vapor - Circle K Grade 93 - not adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	Gas
8615	Gasoline Headspace Vapor - Amoco Grade 87 - not adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	Gas
8616	Gasoline Headspace Vapor - Amoco Grade 89 - not adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	Gas
8617	Gasoline Headspace Vapor - Amoco Grade 93 - not adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	Gas
8618	Gasoline Headspace Vapor - Circle K Diesel - not adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	Gas
8619	Gasoline Headspace Vapor - Independent Diesel - not adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	Gas
8620	Diesel Headspace Vapor - Super America Diesel - not adjusted for oxygenates	EPA NERL	Diesel fuel headspace vapor	Gas
8621	Diesel Headspace Vapor - Citgo Diesel - not adjusted for oxygenates	EPA NERL	Diesel fuel headspace vapor	Gas
8622	Diesel Headspace Vapor - Shell Diesel - not adjusted for oxygenates	EPA NERL	Diesel fuel headspace vapor	Gas
8623	Diesel Headspace Vapor - Citgo Diesel - not adjusted for oxygenates	EPA NERL	Diesel fuel headspace vapor	Gas
8624	Gasoline Headspace Vapor - Shell Grade 87 - not adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	Gas
8625	Gasoline Headspace Vapor - Citgo Grade 87 - not adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	Gas
8626	Gasoline - Exxon Grade 87 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
8627	Gasoline - Exxon Grade 89 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
8628	Gasoline - Exxon Grade 93 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
8629	Gasoline - Texaco Grade 87 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
8630	Gasoline - Texaco Grade 89 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
8631	Gasoline - Texaco Grade 93 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
8632	Gasoline - Chevron Grade 87 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
8633	Gasoline - Chevron Grade 89 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
8634	Gasoline - Chevron Grade 93 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
8635	Gasoline - Conoco Grade 87 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
8636	Gasoline - Conoco Grade 89 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
8637	Gasoline - Conoco Grade 93 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
8638	Gasoline - Shell Grade 87 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
8639	Gasoline - Shell Grade 89 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
8640	Gasoline - Shell Grade 93 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
8641	Gasoline - Shell Super - not adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
8642	Gasoline - Shell Plus - not adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
8643	Gasoline - Shell Regular - not adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
8644	Gasoline - Chevron Super - not adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
8645	Gasoline - Chevron Plus - not adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
8646	Gasoline - Chevron Regular - not adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
8647	Gasoline - 76 Super - not adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
8648	Gasoline - 76 Plus - not adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
8649	Gasoline - 76 Regular - not adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
8650	Gasoline - Texaco Super - not adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
8651	Gasoline - Texaco Plus - not adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
8652	Gasoline - Texaco Regular - not adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
8653	Gasoline - ARCO Super - not adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
8654	Gasoline - ARCO Plus - not adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
8655	Gasoline - ARCO Regular - not adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
8656	Gasoline - Amoco Grade 87 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
8657	Gasoline - Mapco Grade 87 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
8658	Gasoline - Citgo Grade 87 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas

Profile Number	Name	Data Origin	Keyword	Profile Type
8659	Gasoline - BP Grade 87 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
8660	Gasoline - Exxon Grade 87 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
8661	Gasoline - Amoco Grade 89 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
8662	Gasoline - Mapco Grade 89 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
8663	Gasoline - Citgo Grade 89 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
8664	Gasoline - BP Grade 89 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
8665	Gasoline - Exxon Grade 89 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
8666	Gasoline - Amoco Grade 93 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
8667	Gasoline - Mapco Grade 93 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
8668	Gasoline - Citgo Grade 93 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
8669	Gasoline - BP Grade 93 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
8670	Gasoline - Exxon Grade 93 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
8671	Gasoline - Amoco Grade 93 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
8672	Gasoline - BP Grade 93 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
8673	Gasoline - Exxon Grade 93 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
8674	Gasoline - Mapco #1 Grade 93 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
8675	Gasoline - Mapco #2 Grade 93 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
8676	Gasoline - Amoco Grade 89 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
8677	Gasoline - BP Grade 89 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
8678	Gasoline - Exxon Grade 89 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
8679	Gasoline - Mapco #1 Grade 89 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
8680	Gasoline - Mapco #2 Grade 89 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
8681	Gasoline - Amoco Grade 87 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
8682	Gasoline - BP Grade 87 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
8683	Gasoline - Exxon Grade 87 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
8684	Gasoline - Mapco #1 Grade 87 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
8685	Gasoline - Mapco #2 Grade 87 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
8686	Gasoline - Texaco Grade 87 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
8687	Gasoline - Texaco Grade 89 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
8688	Gasoline - Texaco Grade 93 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
8689	Gasoline -Circle K Grade 87 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
8690	Gasoline -Circle K Grade 89 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
8691	Gasoline -Circle K Grade 93 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
8692	Gasoline - Amoco Grade 87 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
8693	Gasoline - Amoco Grade 89 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
8694	Gasoline - Amoco Grade 93 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
8695	Gasoline - Amoco Grade 87 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
8696	Gasoline - Amoco Grade 93 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
8697	Gasoline - Citgo Grade 87 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
8698	Gasoline - Citgo Grade 93 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
8699	Gasoline - Clark Grade 87 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
8700	Gasoline - Clark Grade 93 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
8701	Gasoline - Mobile Grade 87 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
8702	Gasoline - Mobile Grade 93 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
8703	Gasoline - Shell Grade 87 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
8704	Gasoline - Shell Grade 93 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
8705	Gasoline - SuperAmerica Grade 87 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas

Profile Number	Name	Data Origin	Keyword	Profile Type
8706	Gasoline - SuperAmerica Grade 92 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
8707	Gasoline - Amoco Grade 87 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
8708	Gasoline - Amoco Grade 89 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
8709	Gasoline - Amoco Grade 93 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
8710	Gasoline - Exxon Grade 87 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
8711	Gasoline - Exxon Grade 89 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
8712	Gasoline - Exxon Grade 93 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
8713	Gasoline - Citgo Grade 87 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
8714	Gasoline - Citgo Grade 89 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
8715	Gasoline - Citgo Grade 93 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
8716	Gasoline Headspace Vapor - BP Grade 87 - not adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	Gas
8717	Gasoline Headspace Vapor - BP Grade 89 - not adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	Gas
8718	Gasoline Headspace Vapor - BP Grade 93 - not adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	Gas
8719	Gasoline Headspace Vapor - Mobile Grade 87 - not adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	Gas
8720	Gasoline Headspace Vapor - Mobile Grade 89 - not adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	Gas
8721	Gasoline Headspace Vapor - Mobile Grade 93 - not adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	Gas
8722	Gasoline Headspace Vapor - Sunoco Gasohol - not adjusted for oxygenates	EPA NERL	Gasoline headspace vapor	Gas
8723	Gasoline - BP Grade 87 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
8724	Gasoline - BP Grade 89 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
8725	Gasoline - BP Grade 93 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
8726	Gasoline - Mobile Grade 87 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
8727	Gasoline - Mobile Grade 89 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
8728	Gasoline - Mobile Grade 93 - not adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
8729	Gasoline - Sunoco Gasohol - not adjusted for oxygenates	EPA NERL	Liquid gasoline	Gas
8730	Diesel Headspace Vapor - Shell Diesel - not adjusted for oxygenates	EPA NERL	Diesel fuel headspace vapor	Gas
8731	Diesel Headspace Vapor - Marathon Diesel - not adjusted for oxygenates	EPA NERL	Diesel fuel headspace vapor	Gas
8732	Composite Profile - MTBE Blended Gasoline	EPA NERL	Composite Profile, MTBE Gasoline	Gas
8733	Composite Profile - Ethanol Blended Gasoline	EPA NERL	Composite Profile, Ethanol Gasoline	Gas
8734	Composite Profile - Non-oxygenated Gasoline	EPA NERL	Composite Profile, Non-Oxygenated Gasoline	Gas
8735	Composite Profile - MTBE Blended Gasoline Headspace Vapor	EPA NERL	Composite Profile, MTBE Gasoline headspace vapor	Gas
8736	Composite Profile - Ethanol Blended Gasoline Headspace Vapor	EPA NERL	Composite Profile, Ethanol Gasoline headspace vapor	Gas
8737	Composite Profile - Non-oxygenated Gasoline Headspace Vapor	EPA NERL	Composite Profile, Non-Oxygenated Gasoline headspace vapor	Gas
8744	Composite Profile - Architectural Coatings: Solvent Borne and water borne	CARB	Architectural Coatings	Gas
8745	Composite Profile - Degreasing: Cold Cleaning (Batch, Conveyor, Spray Gun)	CARB	Degreasing	Gas
8746	Composite Profile - Straw Burning	EPA APPCD	Agricultural Burning: Prescribed Burning	Gas
8748	Composite Profile - Overall Liquid Gasoline (MTBE, Ethanol, and Non-Oxygenated)	EPA NERL	Composite Profile, Overall Liquid Gasoline	Gas
8749	Composite Profile - Overall Gasoline headspace vapor (MTBE, Ethanol, and Non-Oxygenated)	EPA NERL	Composite Profile, Overall Gasoline headspace vapor	Gas

**Table A-2. Summary of PM Profiles Incorporated into the SPECIATE 4.0 Database**

Profile Number	Name	Data Origin	Keyword	Profile Type
000002.5	Overall Composite	SPECIATE 3.2	OVERALL AVERAGE	PM
0000010	Overall Composite	SPECIATE 3.2	OVERALL AVERAGE	PM
0000030	Overall Composite	SPECIATE 3.2	OVERALL AVERAGE	PM
3156	Tire Wear	CARB	Tire Wear	PM
3157	Brake Wear	CARB	Brake Wear	PM
3158	Motor Vehicle Exhaust - Gasoline	CARB	Motor Vehicle; Gasoline	PM
3190	Coal Combustion	DRI	Coal Combustion; Utility	PM
3191	Coal Combustion	DRI	Coal Combustion; Utility	PM
3192	Coal Combustion	DRI	Coal Combustion; Utility	PM
3193	Coal Combustion	DRI	Coal Combustion; Utility	PM
3194	Coal Combustion	DRI	Coal Combustion; Utility	PM
3195	Gas Combustion	DRI	Gas Combustion; Utility	PM
3196	Agriculture Soil	DRI	Geological; Agriculture	PM
3197	Paved Road	DRI	Geological; Paved Road	PM
3198	Highway Road Dust	DRI	Geological; Tunnel	PM
3199	Highway Road Dust	DRI	Geological; Tunnel	PM
3200	Highway Road Dust	DRI	Geological; Highway	PM
3201	Paved Road Dust	DRI	Geological; Paved Road	PM
3202	Road Sanding	DRI	Geological; Road Sanding	PM
3203	Paved Road Dust	DRI	Geological; Paved Road	PM
3204	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM
3205	Motor Vehicle Exhaust	DRI	Motor Vehicle; Dynamometer; Gasoline and Diesel	PM
3206	Motor Vehicle Exhaust	DRI	Motor Vehicle; Dynamometer; Gasoline and Diesel	PM
3207	Motor Vehicle Exhaust	DRI	Motor Vehicle; Dynamometer; Gasoline and Diesel	PM
3208	Motor Vehicle Exhaust	DRI	Motor Vehicle; Dynamometer; Gasoline and Diesel	PM
3209	Motor Vehicle Exhaust	DRI	Motor Vehicle; Dynamometer; Gasoline and Diesel	PM
3210	Motor Vehicle Exhaust	DRI	Motor Vehicle; Dynamometer; Gasoline and Diesel	PM
3211	Motor Vehicle Exhaust	DRI	Motor Vehicle; Dynamometer; Gasoline and Diesel	PM
3212	Motor Vehicle Exhaust	DRI	Motor Vehicle; Dynamometer; Gasoline and Diesel	PM
3213	Gasoline Exhaust	DRI	Motor Vehicle; Dynamometer; Gasoline and Diesel	PM
3214	Gasoline Exhaust	DRI	Motor Vehicle; Dynamometer; Gasoline and Diesel	PM
3215	Gasoline Exhaust	DRI	Motor Vehicle; Dynamometer; Gasoline and Diesel	PM
3216	Gasoline Exhaust	DRI	Motor Vehicle; Dynamometer; Leaded Gasoline	PM
3217	Gasoline Exhaust	DRI	Motor Vehicle; Dynamometer; Leaded Gasoline	PM
3218	Gasoline Exhaust	DRI	Motor Vehicle; Dynamometer; Leaded Gasoline	PM
3219	Diesel Exhaust	DRI	Motor Vehicle; Dynamometer; Diesel	PM
3220	Diesel Exhaust	DRI	Motor Vehicle; Dynamometer; Diesel	PM
3221	Diesel Exhaust	DRI	Motor Vehicle; Dynamometer; Diesel	PM
3222	Gasoline Exhaust - Unleaded	DRI	Motor Vehicle; Dynamometer; Leaded Gasoline	PM
3223	Gasoline Exhaust - Unleaded	DRI	Motor Vehicle; Dynamometer; Leaded Gasoline	PM
3224	Gasoline Exhaust - Unleaded	DRI	Motor Vehicle; Dynamometer; Leaded Gasoline	PM
3225	Gasoline Exhaust - Unleaded	DRI	Motor Vehicle; Dynamometer; Leaded Gasoline	PM
3226	Gasoline Exhaust - Unleaded	DRI	Motor Vehicle; Dynamometer; Leaded Gasoline	PM
3227	Gasoline Exhaust - Unleaded	DRI	Motor Vehicle; Dynamometer; Leaded Gasoline	PM

Profile Number	Name	Data Origin	Keyword	Profile Type
3228	Gasoline Exhaust - Unleaded	DRI	Motor Vehicle; Dynamometer; Leaded Gasoline	PM
3229	Gasoline Exhaust - Unleaded	DRI	Motor Vehicle; Dynamometer; Leaded Gasoline	PM
3230	Gasoline Exhaust - Unleaded	DRI	Motor Vehicle; Dynamometer; Leaded Gasoline	PM
3231	Refinery	DRI	Refinery; Catalytic Cracker	PM
3232	Residential Wood Burning	DRI	Vegetative Burning; Fireplace	PM
3233	Residential Wood Burning	DRI	Vegetative Burning; Fireplace	PM
3234	Residential Wood Burning	DRI	Vegetative Burning; Fireplace	PM
3235	Residential Wood Burning	DRI	Vegetative Burning; Fireplace	PM
3236	Residential Wood Burning	DRI	Vegetative Burning; Woodstove	PM
3237	Residential Wood Burning	DRI	Vegetative Burning; Fireplace	PM
3238	Residential Wood Burning	DRI	Vegetative Burning; Woodstove	PM
3239	Residential Wood Burning	DRI	Vegetative Burning; Woodstove	PM
3240	Residential Wood Burning	DRI	Vegetative Burning; Woodstove	PM
3241	Agriculture Vegetative Burning	DRI	Vegetative Burning; Agriculture	PM
3242	Agriculture Vegetative Burning	DRI	Vegetative Burning; Agriculture	PM
3243	Agriculture Vegetative Burning	DRI	Vegetative Burning; Agriculture	PM
3244	Agriculture Vegetative Burning	DRI	Vegetative Burning; Agriculture	PM
3245	Agriculture Vegetative Burning	DRI	Vegetative Burning; Agriculture	PM
3246	Residential Wood Burning	DRI	Vegetative Burning; Fireplace	PM
3247	Residential Wood Burning	DRI	Vegetative Burning; Fireplace	PM
3248	Residential Wood Burning	DRI	Vegetative Burning; Fireplace	PM
3249	Residential Wood Burning	DRI	Vegetative Burning; Fireplace	PM
3250	Residential Wood Burning	DRI	Vegetative Burning; Fireplace	PM
3251	Oil Combustion	DRI	Oil Combustion; Crude Oil	PM
3252	Oil Combustion	DRI	Oil Combustion; Crude Oil	PM
3253	Oil Combustion	DRI	Oil Combustion; Crude Oil	PM
3254	Oil Combustion	DRI	Oil Combustion; Crude Oil	PM
3255	Oil Combustion	DRI	Oil Combustion; Crude Oil	PM
3256	Agriculture Vegetative Burning	DRI	Vegetative Burning; Agriculture	PM
3257	Agriculture Vegetative Burning	DRI	Vegetative Burning; Agriculture	PM
3258	Agriculture Vegetative Burning	DRI	Vegetative Burning; Agriculture	PM
3259	Agriculture Vegetative Burning	DRI	Vegetative Burning; Agriculture	PM
3260	Agriculture Vegetative Burning	DRI	Vegetative Burning; Agriculture	PM
3261	Freeway Road Dust	DRI	Geological; Freeway Construction	PM
3262	Freeway Road Dust	DRI	Geological; Freeway Construction	PM
3263	Freeway Road Dust	DRI	Geological; Freeway Construction	PM
3264	Freeway Road Dust	DRI	Geological; Freeway Construction	PM
3265	Freeway Road Dust	DRI	Geological; Freeway Construction	PM
3266	Diesel Exhaust	DRI	Motor Vehicle; Diesel	PM
3267	Diesel Exhaust	DRI	Motor Vehicle; Diesel	PM
3268	Diesel Exhaust	DRI	Motor Vehicle; Diesel	PM
3270	Diesel Exhaust	DRI	Motor Vehicle; Diesel	PM
3271	Residential Wood Burning	DRI	Vegetative Burning; Woodstove	PM
3272	Residential Wood Burning	DRI	Vegetative Burning; Woodstove	PM
3273	Residential Wood Burning	DRI	Vegetative Burning; Woodstove	PM
3275	Residential Wood Burning	DRI	Vegetative Burning; Woodstove	PM
3276	Residential Wood Burning	DRI	Vegetative Burning; Fireplace	PM

Profile Number	Name	Data Origin	Keyword	Profile Type
3277	Residential Wood Burning	DRI	Vegetative Burning; Fireplace	PM
3278	Residential Wood Burning	DRI	Vegetative Burning; Fireplace	PM
3280	Residential Wood Burning	DRI	Vegetative Burning; Fireplace	PM
3281	Tire Burning	DRI	Incinerator; Tire Burning	PM
3282	Tire Burning	DRI	Incinerator; Tire Burning	PM
3283	Tire Burning	DRI	Incinerator; Tire Burning	PM
3284	Tire Burning	DRI	Incinerator; Tire Burning	PM
3285	Tire Burning	DRI	Incinerator; Tire Burning	PM
3286	Incinerator	DRI	Incinerator	PM
3287	Incinerator	DRI	Incinerator	PM
3288	Incinerator	DRI	Incinerator	PM
3290	Incinerator	DRI	Incinerator	PM
3291	Oil Combustion	DRI	Oil Combustion; Cruel Oil	PM
3292	Oil Combustion	DRI	Oil Combustion; Cruel Oil	PM
3293	Oil Combustion	DRI	Oil Combustion; Cruel Oil	PM
3295	Oil Combustion	DRI	Oil Combustion; Cruel Oil	PM
3296	Agriculture Soil	DRI	Geological; Agriculture	PM
3297	Agriculture Soil	DRI	Geological; Agriculture	PM
3298	Agriculture Soil	DRI	Geological; Agriculture	PM
3299	Agriculture Soil	DRI	Geological; Agriculture	PM
3300	Agriculture Soil	DRI	Geological; Agriculture	PM
3301	Agriculture Soil	DRI	Geological; Agriculture	PM
3302	Paved Road Dust	DRI	Geological; Paved Road	PM
3303	Paved Road Dust	DRI	Geological; Paved Road	PM
3304	Paved Road Dust	DRI	Geological; Paved Road	PM
3305	Paved Road Dust	DRI	Geological; Paved Road	PM
3306	Agriculture Soil	DRI	Geological; Agriculture	PM
3307	Agriculture Soil	DRI	Geological; Agriculture	PM
3308	Agriculture Soil	DRI	Geological; Agriculture	PM
3309	Agriculture Soil	DRI	Geological; Agriculture	PM
3310	Agriculture Soil	DRI	Geological; Agriculture	PM
3311	Agriculture Soil	DRI	Geological; Agriculture	PM
3312	Agriculture Soil	DRI	Geological; Agriculture	PM
3313	Agriculture Soil	DRI	Geological; Agriculture	PM
3314	Agriculture Soil	DRI	Geological; Agriculture	PM
3315	Agriculture Soil	DRI	Geological; Agriculture	PM
3316	Sand and Gravel	DRI	Geological	PM
3317	Sand and Gravel	DRI	Geological	PM
3318	Sand and Gravel	DRI	Geological	PM
3319	Sand and Gravel	DRI	Geological	PM
3320	Sand and Gravel	DRI	Geological	PM
3321	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM
3322	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM
3323	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM
3324	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM
3325	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM
3326	Paved Road Dust	DRI	Geological; Paved Road	PM

Profile Number	Name	Data Origin	Keyword	Profile Type
3327	Paved Road Dust	DRI	Geological; Paved Road	PM
3328	Paved Road Dust	DRI	Geological; Paved Road	PM
3329	Paved Road Dust	DRI	Geological; Paved Road	PM
3330	Paved Road Dust	DRI	Geological; Paved Road	PM
3331	Agriculture Soil	DRI	Geological; Agriculture	PM
3332	Agriculture Soil	DRI	Geological; Agriculture	PM
3333	Agriculture Soil	DRI	Geological; Agriculture	PM
3334	Agriculture Soil	DRI	Geological; Agriculture	PM
3335	Agriculture Soil	DRI	Geological; Agriculture	PM
3336	Agriculture Soil	DRI	Geological; Agriculture	PM
3337	Agriculture Soil	DRI	Geological; Agriculture	PM
3338	Agriculture Soil	DRI	Geological; Agriculture	PM
3339	Agriculture Soil	DRI	Geological; Agriculture	PM
3340	Agriculture Soil	DRI	Geological; Agriculture	PM
3341	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM
3342	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM
3343	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM
3344	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM
3345	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM
3346	Paved Road Dust	DRI	Geological; Paved Road	PM
3347	Paved Road Dust	DRI	Geological; Paved Road	PM
3348	Paved Road Dust	DRI	Geological; Paved Road	PM
3349	Paved Road Dust	DRI	Geological; Paved Road	PM
3350	Paved Road Dust	DRI	Geological; Paved Road	PM
3351	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM
3352	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM
3353	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM
3354	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM
3355	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM
3356	Agriculture Soil	DRI	Geological; Agriculture	PM
3357	Agriculture Soil	DRI	Geological; Agriculture	PM
3358	Agriculture Soil	DRI	Geological; Agriculture	PM
3359	Agriculture Soil	DRI	Geological; Agriculture	PM
3360	Agriculture Soil	DRI	Geological; Agriculture	PM
3361	Agriculture Soil	DRI	Geological; Agriculture	PM
3362	Agriculture Soil	DRI	Geological; Agriculture	PM
3363	Agriculture Soil	DRI	Geological; Agriculture	PM
3364	Agriculture Soil	DRI	Geological; Agriculture	PM
3365	Agriculture Soil	DRI	Geological; Agriculture	PM
3366	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM
3367	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM
3368	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM
3369	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM
3370	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM
3371	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM
3372	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM
3373	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM



Profile Number	Name	Data Origin	Keyword	Profile Type
3374	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM
3375	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM
3376	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM
3377	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM
3378	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM
3379	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM
3380	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM
3381	Paved Road Dust	DRI	Geological; Paved Road	PM
3382	Paved Road Dust	DRI	Geological; Paved Road	PM
3383	Paved Road Dust	DRI	Geological; Paved Road	PM
3384	Paved Road Dust	DRI	Geological; Paved Road	PM
3385	Paved Road Dust	DRI	Geological; Paved Road	PM
3386	Paved Road Dust	DRI	Geological; Paved Road	PM
3387	Paved Road Dust	DRI	Geological; Paved Road	PM
3388	Paved Road Dust	DRI	Geological; Paved Road	PM
3389	Paved Road Dust	DRI	Geological; Paved Road	PM
3390	Paved Road Dust	DRI	Geological; Paved Road	PM
3391	Agriculture Soil	DRI	Geological; Agriculture	PM
3392	Agriculture Soil	DRI	Geological; Agriculture	PM
3393	Agriculture Soil	DRI	Geological; Agriculture	PM
3394	Agriculture Soil	DRI	Geological; Agriculture	PM
3395	Agriculture Soil	DRI	Geological; Agriculture	PM
3396	Desert Soil	DRI	Geological; Desert	PM
3397	Desert Soil	DRI	Geological; Desert	PM
3398	Desert Soil	DRI	Geological; Desert	PM
3399	Desert Soil	DRI	Geological; Desert	PM
3400	Desert Soil	DRI	Geological; Desert	PM
3401	Desert Soil	DRI	Geological; Desert	PM
3402	Desert Soil	DRI	Geological; Desert	PM
3403	Desert Soil	DRI	Geological; Desert	PM
3404	Desert Soil	DRI	Geological; Desert	PM
3405	Desert Soil	DRI	Geological; Desert	PM
3406	Desert Soil	DRI	Geological; Desert	PM
3407	Desert Soil	DRI	Geological; Desert	PM
3408	Desert Soil	DRI	Geological; Desert	PM
3409	Desert Soil	DRI	Geological; Desert	PM
3410	Desert Soil	DRI	Geological; Desert	PM
3411	Desert Soil	DRI	Geological; Desert	PM
3412	Desert Soil	DRI	Geological; Desert	PM
3413	Desert Soil	DRI	Geological; Desert	PM
3414	Desert Soil	DRI	Geological; Desert	PM
3415	Desert Soil	DRI	Geological; Desert	PM
3416	Volcanic Soil	DRI	Geological; Volcanic	PM
3417	Volcanic Soil	DRI	Geological; Volcanic	PM
3418	Volcanic Soil	DRI	Geological; Volcanic	PM
3419	Volcanic Soil	DRI	Geological; Volcanic	PM
3420	Volcanic Soil	DRI	Geological; Volcanic	PM

Profile Number	Name	Data Origin	Keyword	Profile Type
3421	Paved Road Dust	DRI	Geological; Paved Road	PM
3422	Paved Road Dust	DRI	Geological; Paved Road	PM
3423	Paved Road Dust	DRI	Geological; Paved Road	PM
3424	Paved Road Dust	DRI	Geological; Paved Road	PM
3425	Paved Road Dust	DRI	Geological; Paved Road	PM
3426	Agriculture Soil	DRI	Geological; Agriculture	PM
3427	Agriculture Soil	DRI	Geological; Agriculture	PM
3428	Agriculture Soil	DRI	Geological; Agriculture	PM
3429	Agriculture Soil	DRI	Geological; Agriculture	PM
3430	Agriculture Soil	DRI	Geological; Agriculture	PM
3431	Paved Road Dust	DRI	Geological; Paved Road	PM
3432	Paved Road Dust	DRI	Geological; Paved Road	PM
3433	Paved Road Dust	DRI	Geological; Paved Road	PM
3434	Paved Road Dust	DRI	Geological; Paved Road	PM
3435	Paved Road Dust	DRI	Geological; Paved Road	PM
3436	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM
3437	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM
3438	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM
3439	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM
3440	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM
3441	Agriculture Soil	DRI	Geological; Agriculture	PM
3442	Agriculture Soil	DRI	Geological; Agriculture	PM
3443	Agriculture Soil	DRI	Geological; Agriculture	PM
3444	Agriculture Soil	DRI	Geological; Agriculture	PM
3445	Agriculture Soil	DRI	Geological; Agriculture	PM
3446	Agriculture Vegetative Burning	DRI	Vegetative Burning; Agriculture	PM
3447	Agriculture Vegetative Burning	DRI	Vegetative Burning; Agriculture	PM
3448	Agriculture Vegetative Burning	DRI	Vegetative Burning; Agriculture	PM
3449	Agriculture Vegetative Burning	DRI	Vegetative Burning; Agriculture	PM
3450	Agriculture Vegetative Burning	DRI	Geological; Agriculture	PM
3451	Agriculture Vegetative Burning	DRI	Geological; Agriculture	PM
3452	Agriculture Vegetative Burning	DRI	Geological; Agriculture	PM
3453	Agriculture Vegetative Burning	DRI	Geological; Agriculture	PM
3454	Agriculture Vegetative Burning	DRI	Geological; Agriculture	PM
3455	Agriculture Vegetative Burning	DRI	Geological; Agriculture	PM
3456	Dairy Soil	DRI	Geological; Dairy	PM
3457	Dairy Soil	DRI	Geological; Dairy	PM
3458	Dairy Soil	DRI	Geological; Dairy	PM
3459	Dairy Soil	DRI	Geological; Dairy	PM
3460	Dairy Soil	DRI	Geological; Dairy	PM
3461	Diesel Exhaust	DRI	Motor Vehicle; Diesel	PM
3462	Diesel Exhaust	DRI	Motor Vehicle; Diesel	PM
3463	Diesel Exhaust	DRI	Motor Vehicle; Diesel	PM
3465	Diesel Exhaust	DRI	Motor Vehicle; Diesel	PM
3466	Gold Quarry Soil	DRI	Geological; Gold Quarry	PM
3467	Gold Quarry Soil	DRI	Geological; Gold Quarry	PM
3468	Gold Quarry Soil	DRI	Geological; Gold Quarry	PM

Profile Number	Name	Data Origin	Keyword	Profile Type
3469	Gold Quarry Soil	DRI	Geological: Gold Quarry	PM
3470	Gold Quarry Soil	DRI	Geological: Gold Quarry	PM
3471	Gold Quarry Soil	DRI	Geological: Gold Quarry	PM
3472	Gold Quarry Soil	DRI	Geological: Gold Quarry	PM
3473	Gold Quarry Soil	DRI	Geological: Gold Quarry	PM
3474	Gold Quarry Soil	DRI	Geological: Gold Quarry	PM
3475	Gold Quarry Soil	DRI	Geological: Gold Quarry	PM
3476	Local Soil	DRI	Geological	PM
3477	Local Soil	DRI	Geological	PM
3478	Local Soil	DRI	Geological	PM
3479	Local Soil	DRI	Geological	PM
3480	Local Soil	DRI	Geological	PM
3481	Paved Road Dust	DRI	Geological: Paved Road	PM
3482	Local Soil	DRI	Geological: Construction	PM
3483	Local Soil	DRI	Geological	PM
3484	Paved Road Dust	DRI	Geological: Paved Road	PM
3485	Local Soil	DRI	Geological	PM
3486	Local Soil	DRI	Geological	PM
3487	Agriculture Soil	DRI	Geological: Agriculture	PM
3488	Agriculture Soil	DRI	Geological: Agriculture	PM
3489	Agriculture Soil	DRI	Geological: Agriculture	PM
3490	Construction Dust	DRI	Geological: Construction	PM
3491	Construction Dust	DRI	Geological: Construction	PM
3492	Construction Dust	DRI	Geological: Construction	PM
3493	Desert Soil	DRI	Geological: Desert	PM
3494	Desert Soil	DRI	Geological: Desert	PM
3495	Desert Soil	DRI	Geological: Desert	PM
3496	Agriculture Soil	DRI	Geological: Agriculture	PM
3497	Agriculture Soil	DRI	Geological: Agriculture	PM
3498	Agriculture Soil	DRI	Geological: Agriculture	PM
3499	Paved Road Dust	DRI	Geological: Paved Road	PM
3500	Paved Road Dust	DRI	Geological: Paved Road	PM
3501	Paved Road Dust	DRI	Geological: Paved Road	PM
3502	Paved Road Dust	DRI	Geological: Paved Road	PM
3503	Paved Road Dust	DRI	Geological: Paved Road	PM
3504	Paved Road Dust	DRI	Geological: Paved Road	PM
3505	Unpaved Road Dust	DRI	Geological: Unpaved Road	PM
3506	Unpaved Road Dust	DRI	Geological: Unpaved Road	PM
3507	Unpaved Road Dust	DRI	Geological: Unpaved Road	PM
3508	Unpaved Road Dust	DRI	Geological: Unpaved Road	PM
3509	Unpaved Road Dust	DRI	Geological: Unpaved Road	PM
3510	Unpaved Road Dust	DRI	Geological: Unpaved Road	PM
3511	Desert Soil	DRI	Geological: Desert	PM
3512	Desert Soil	DRI	Geological: Desert	PM
3513	Desert Soil	DRI	Geological: Desert	PM
3514	Unpaved Road Dust	DRI	Geological: Unpaved Road	PM
3515	Unpaved Road Dust	DRI	Geological: Unpaved Road	PM

Profile Number	Name	Data Origin	Keyword	Profile Type
3516	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM
3517	Gasoline Exhaust	DRI	Motor Vehicle; Gasoline	PM
3518	Diesel Exhaust	DRI	Motor Vehicle; Diesel	PM
3519	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3520	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3521	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3522	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3523	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3524	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3525	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3526	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3527	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3528	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3529	Regional Background	DRI	Regional Background; Non Smelter	PM
3530	Regional Background	DRI	Regional Background; Smelter	PM
3531	Unpaved Road Dust	DRI	Geological; Unpaved Road; Steel	PM
3532	Unpaved Road Dust	DRI	Geological; Unpaved Road; Steel	PM
3533	Unpaved Road Dust	DRI	Geological; Unpaved Road; Steel	PM
3534	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM
3535	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM
3536	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM
3537	Mill Soil	DRI	Geological; Mill	PM
3538	Mill Soil	DRI	Geological; Mill	PM
3539	Mill Soil	DRI	Geological; Mill	PM
3540	Paved Road Dust	DRI	Geological; Paved Road	PM
3541	Paved Road Dust	DRI	Geological; Paved Road	PM
3542	Paved Road Dust	DRI	Geological; Paved Road	PM
3543	Roof Dust	DRI	Geological; Roof	PM
3544	Roof Dust	DRI	Geological; Roof	PM
3545	Roof Dust	DRI	Geological; Roof	PM
3546	Industrial Soil	DRI	Geological; Steel	PM
3547	Industrial Soil	DRI	Geological; Steel	PM
3548	Industrial Soil	DRI	Geological; Steel	PM
3549	Local Soil	DRI	Geological	PM
3550	Local Soil	DRI	Geological	PM
3551	Local Soil	DRI	Geological	PM
3552	Local Soil	DRI	Geological	PM
3553	Local Soil	DRI	Geological	PM
3554	Local Soil	DRI	Geological	PM
3555	Local Soil	DRI	Geological	PM
3556	Local Soil	DRI	Geological	PM
3557	Local Soil	DRI	Geological	PM
3558	Paved Road Dust	DRI	Geological	PM
3559	Paved Road Dust	DRI	Geological	PM
3560	Local Soil	DRI	Geological	PM
3561	Paved Road Dust	DRI	Geological; Paved Road	PM
3562	Paved Road Dust	DRI	Geological; Paved Road	PM

Profile Number	Name	Data Origin	Keyword	Profile Type
3563	Local Soil	DRI	Geological	PM
3564	Local Soil	DRI	Geological	PM
3565	Paved Road Dust - Highway	DRI	Geological; Highway	PM
3566	Paved Road Dust - Highway	DRI	Geological; Highway	PM
3567	Paved Road Dust	DRI	Geological; Paved Road	PM
3568	Paved Road Dust	DRI	Geological; Paved Road	PM
3569	Local Soil	DRI	Geological	PM
3570	Local Soil	DRI	Geological	PM
3571	Local Soil	DRI	Geological	PM
3572	Local Soil	DRI	Geological	PM
3573	Paved Road Dust	DRI	Geological; Paved Road	PM
3574	Local Soil	DRI	Geological	PM
3575	Paved Road Dust	DRI	Geological; Paved Road	PM
3576	Local Soil	DRI	Geological	PM
3577	Local Soil	DRI	Geological	PM
3578	Local Soil	DRI	Geological	PM
3579	Local Soil	DRI	Geological	PM
3580	Local Soil	DRI	Geological	PM
3581	Local Soil	DRI	Geological	PM
3582	Local Soil	DRI	Geological	PM
3583	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3584	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3585	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3586	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3587	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3588	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3589	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3590	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3591	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3592	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3593	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3594	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3595	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3596	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3597	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3598	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3599	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3600	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3601	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3602	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3603	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3604	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3605	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3606	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3607	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3608	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3609	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM

Profile Number	Name	Data Origin	Keyword	Profile Type
3610	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3611	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3612	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3613	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3614	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3615	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3616	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3617	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3618	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3619	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3620	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3621	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3622	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3623	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3624	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3625	Agriculture Vegetative Burning	DRI	Vegetative Burning; Agriculture	PM
3627	Agriculture Vegetative Burning	DRI	Vegetative Burning; Agriculture	PM
3628	Agriculture Vegetative Burning	DRI	Vegetative Burning; Agriculture	PM
3630	Agriculture Vegetative Burning	DRI	Vegetative Burning; Agriculture	PM
3631	Agriculture Vegetative Burning	DRI	Vegetative Burning; Agriculture	PM
3633	Agriculture Vegetative Burning	DRI	Vegetative Burning; Agriculture	PM
3639	Agriculture Vegetative Burning	DRI	Vegetative Burning; Agriculture	PM
3640	Agriculture Vegetative Burning	DRI	Vegetative Burning; Agriculture	PM
3642	Agriculture Vegetative Burning	DRI	Vegetative Burning; Agriculture	PM
3643	Cooking	DRI	Cooking; CharbrOil	PM
3644	Cooking	DRI	Cooking; CharbrOil	PM
3645	Manure Combustion	DRI	Manure Combustion; Utility	PM
3646	Manure Combustion	DRI	Manure Combustion; Utility	PM
3647	Manure Combustion	DRI	Manure Combustion; Utility	PM
3648	Manure Combustion	DRI	Manure Combustion; Utility	PM
3649	Manure Combustion	DRI	Manure Combustion; Utility	PM
3650	Fly Ash	DRI	Fly Ash; Utility	PM
3651	Fly Ash	DRI	Fly Ash; Utility	PM
3652	Oil Combustion	DRI	Oil Combustion; Glass	PM
3653	Fly Ash	DRI	Fly Ash; Glass	PM
3654	Fly Ash	DRI	Fly Ash; Utility	PM
3655	Fly Ash	DRI	Fly Ash; Utility	PM
3656	Fly Ash	DRI	Fly Ash; Lime	PM
3657	Fly Ash	DRI	Fly Ash	PM
3658	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM
3659	Local Soil	DRI	Geological	PM
3660	Local Soil	DRI	Geological	PM
3661	Paved Road Dust	DRI	Geological; Tunnel; Paved Road	PM
3662	Paved Road Dust	DRI	Geological; Tunnel; Paved Road	PM
3663	Fly Ash	DRI	Geological; Fly Ash	PM
3664	Cement	DRI	Geological; Cement	PM
3665	Sand	DRI	Geological	PM

Profile Number	Name	Data Origin	Keyword	Profile Type
3666	Paved Road Dust	DRI	Geological; Paved Road	PM
3667	Paved Road Dust	DRI	Geological; Paved Road	PM
3668	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM
3669	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM
3670	Local Soil	DRI	Geological	PM
3671	Local Soil	DRI	Geological	PM
3672	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM
3673	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM
3674	Local Soil	DRI	Geological	PM
3675	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM
3676	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM
3677	Cement	DRI	Geological; Cement	PM
3678	Local Soil	DRI	Geological	PM
3679	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM
3680	Paved Road Dust	DRI	Geological; Paved Road	PM
3681	Local Soil	DRI	Geological	PM
3682	Local Soil	DRI	Geological	PM
3683	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3684	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3685	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3686	Coal Combustion	DRI	Coal Combustion; Utility	PM
3687	Coal Combustion	DRI	Coal Combustion; Utility	PM
3688	Coal Combustion	DRI	Coal Combustion; Utility	PM
3689	Coal Combustion	DRI	Coal Combustion; Utility	PM
3690	Coal Combustion	DRI	Coal Combustion; Utility	PM
3691	Coal Combustion	DRI	Coal Combustion; Utility	PM
3692	Coal Combustion	DRI	Coal Combustion; Utility	PM
3693	Coal Combustion	DRI	Coal Combustion; Utility	PM
3694	Coal Combustion	DRI	Coal Combustion; Utility	PM
3695	Coal Combustion	DRI	Coal Combustion; Utility	PM
3696	Coal Combustion	DRI	Coal Combustion; Utility	PM
3697	Coal Combustion	DRI	Coal Combustion; Utility	PM
3698	Coal Combustion	DRI	Coal Combustion; Utility	PM
3699	Coal Combustion	DRI	Coal Combustion; Utility	PM
3700	Coal Combustion	DRI	Coal Combustion; Utility	PM
3701	Coal Combustion	DRI	Coal Combustion; Utility	PM
3702	Local Soil	DRI	Geological	PM
3703	Local Soil	DRI	Geological	PM
3704	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM
3705	Paved Road Dust	DRI	Geological; Paved Road	PM
3706	Paved Road Dust	DRI	Geological; Paved Road	PM
3707	Paved Road Dust	DRI	Geological; Paved Road	PM
3708	Paved Road Dust	DRI	Geological; Paved Road	PM
3709	Local Soil	DRI	Geological	PM
3710	Local Soil	DRI	Geological	PM
3711	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM
3712	Local Soil	DRI	Geological	PM

Profile Number	Name	Data Origin	Keyword	Profile Type
3713	Paved Road Dust	DRI	Geological	PM
3714	Paved Road Dust	DRI	Geological; Paved Road	PM
3715	Paved Road Dust	DRI	Geological; Paved Road	PM
3716	Paved Road Dust	DRI	Geological; Paved Road	PM
3717	Local Soil	DRI	Geological	PM
3718	Paved Road Dust	DRI	Geological; Paved Road	PM
3719	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM
3720	Geothermal Background	DRI	Background; Geothermal	PM
3721	Geothermal Background	DRI	Background; Geothermal	PM
3722	Geothermal Background	DRI	Background; Geothermal	PM
3723	Geothermal Background	DRI	Background; Geothermal	PM
3724	Geothermal Background	DRI	Background; Geothermal	PM
3725	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3726	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3727	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3728	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3729	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3730	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3731	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3732	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3733	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3734	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3735	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3736	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3737	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3738	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3739	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3740	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3741	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3742	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3754	Regional Background	DRI	Regional Background	PM
3755	Regional Background	DRI	Regional Background	PM
3756	Regional Background	DRI	Regional Background	PM
3757	Residential Coal Combustion	DRI	Coal Combustion; Residential	PM
3758	Residential Coal Combustion	DRI	Coal Combustion; Residential	PM
3759	Residential Coal Combustion	DRI	Coal Combustion; Residential	PM
3760	Residential Coal Combustion	DRI	Coal Combustion; Residential	PM
3761	Residential Coal Combustion	DRI	Coal Combustion; Residential	PM
3762	Forest Fire	DRI	Vegetative Burning; Forest Fire	PM
3763	Forest Fire	DRI	Vegetative Burning; Forest Fire	PM
3764	Forest Fire	DRI	Vegetative Burning; Forest Fire	PM
3765	Forest Fire	DRI	Vegetative Burning; Forest Fire	PM
3766	Forest Fire	DRI	Vegetative Burning; Forest Fire	PM
3767	Residential Wood Burning	DRI	Vegetative Burning; Fireplace	PM
3768	Residential Wood Burning	DRI	Vegetative Burning; Fireplace	PM
3769	Residential Wood Burning	DRI	Vegetative Burning; Woodstove	PM
3770	Residential Wood Burning	DRI	Vegetative Burning	PM



Profile Number	Name	Data Origin	Keyword	Profile Type
3771	Construction Dust	DRI	Geological; Construction	PM
3772	Construction Dust	DRI	Geological; Construction	PM
3773	Construction Dust	DRI	Geological; Construction	PM
3774	Construction Dust	DRI	Geological; Construction	PM
3775	Construction Dust	DRI	Geological; Construction	PM
3776	Construction Dust	DRI	Geological; Construction	PM
3777	Desert Soil	DRI	Geological; Desert	PM
3778	Local Soil	DRI	Geological	PM
3779	Paved Road Dust	DRI	Geological; Paved Road	PM
3780	Paved Road Dust	DRI	Geological; Paved Road	PM
3781	Paved Road Dust	DRI	Geological; Paved Road	PM
3782	Paved Road Dust	DRI	Geological; Paved Road	PM
3783	Paved Road Dust	DRI	Geological; Paved Road	PM
3784	Paved Road Dust	DRI	Geological; Paved Road	PM
3785	Paved Road Dust	DRI	Geological; Paved Road	PM
3786	Paved Road Dust	DRI	Geological; Paved Road	PM
3787	Paved Road Dust	DRI	Geological; Paved Road	PM
3788	Paved Road Dust	DRI	Geological; Paved Road	PM
3789	Paved Road Dust	DRI	Geological; Paved Road	PM
3790	Desert Soil	DRI	Geological; Desert	PM
3791	Desert Soil	DRI	Geological; Desert	PM
3792	Desert Soil	DRI	Geological; Desert	PM
3793	Desert Soil	DRI	Geological; Desert	PM
3794	Desert Soil	DRI	Geological; Desert	PM
3795	Desert Soil	DRI	Geological; Desert	PM
3796	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM
3797	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM
3798	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM
3799	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3800	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3801	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3802	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3803	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3804	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3805	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3806	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3807	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3808	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3809	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3810	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3811	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3812	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3813	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3814	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3815	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3816	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3817	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM

Profile Number	Name	Data Origin	Keyword	Profile Type
3818	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3819	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3820	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3821	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3822	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3823	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3824	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3825	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
3826	Residential Wood Burning	DRI	Vegetative Burning; Fireplace	PM
3827	Residential Wood Burning	DRI	Vegetative Burning; Fireplace	PM
3828	Residential Wood Burning	DRI	Vegetative Burning; Fireplace	PM
3829	Residential Wood Burning	DRI	Vegetative Burning; Fireplace	PM
3830	Residential Wood Burning	DRI	Vegetative Burning; Fireplace	PM
3831	Residential Wood Burning	DRI	Vegetative Burning; Fireplace	PM
3832	Residential Wood Burning	DRI	Vegetative Burning; Fireplace	PM
3833	Residential Wood Burning	DRI	Vegetative Burning; Fireplace	PM
3834	Residential Wood Burning	DRI	Vegetative Burning; Fireplace	PM
3835	Residential Wood Burning	DRI	Vegetative Burning; Fireplace	PM
3836	Residential Wood Burning	DRI	Vegetative Burning; Fireplace	PM
3837	Residential Wood Burning	DRI	Vegetative Burning; Fireplace	PM
3838	Residential Wood Burning	DRI	Vegetative Burning; Fireplace	PM
3839	Residential Wood Burning	DRI	Vegetative Burning; Fireplace	PM
3840	Residential Wood Burning	DRI	Vegetative Burning; Fireplace	PM
3841	Residential Wood Burning	DRI	Vegetative Burning; Fireplace	PM
3842	Residential Wood Burning	DRI	Vegetative Burning; Fireplace	PM
3843	Residential Wood Burning	DRI	Vegetative Burning; Fireplace	PM
3844	Residential Wood Burning	DRI	Vegetative Burning; Fireplace	PM
3845	Residential Wood Burning	DRI	Vegetative Burning; Fireplace	PM
3846	Residential Wood Burning	DRI	Vegetative Burning; Fireplace	PM
3847	Residential Wood Burning	DRI	Vegetative Burning; Fireplace	PM
3848	Residential Wood Burning	DRI	Vegetative Burning; Fireplace	PM
3849	Residential Wood Burning	DRI	Vegetative Burning; Fireplace	PM
3850	Residential Wood Burning	DRI	Vegetative Burning; Fireplace	PM
3851	Residential Wood Burning	DRI	Vegetative Burning; Fireplace	PM
3852	Residential Wood Burning	DRI	Vegetative Burning; Woodstove	PM
3853	Residential Wood Burning	DRI	Vegetative Burning; Woodstove	PM
3854	Residential Wood Burning	DRI	Vegetative Burning; Woodstove	PM
3855	Residential Wood Burning	DRI	Vegetative Burning; Woodstove	PM
3856	Residential Wood Burning	DRI	Vegetative Burning; Woodstove	PM
3857	Gasoline Exhaust	DRI	Motor Vehicle; Gasoline	PM
3858	Diesel Exhaust	DRI	Motor Vehicle; Diesel	PM
3859	Diesel Exhaust	DRI	Motor Vehicle; Diesel	PM
3860	Helicopter Exhaust	DRI	Aircraft; Helicopter	PM
3861	Aircraft Exhaust	DRI	Aircraft	PM
3862	Oil Combustion	DRI	Oil Combustion; Diesel	PM
3863	Oil Combustion	DRI	Oil Combustion; Diesel	PM
3864	Oil Combustion	DRI	Oil Combustion; Diesel	PM



Profile Number	Name	Data Origin	Keyword	Profile Type
3912	Diesel Exhaust	DRI	Motor Vehicle; Diesel	PM
3913	Diesel Exhaust	DRI	Motor Vehicle; Diesel	PM
3914	Diesel Exhaust	DRI	Motor Vehicle; Diesel	PM
3915	Cooking	DRI	Cooking	PM
3916	Cooking	DRI	Cooking; Hamburger	PM
3917	Cooking	DRI	Cooking; Hamburger	PM
3918	Cooking	DRI	Cooking; Chicken	PM
3919	Cooking	DRI	Cooking; Steak	PM
3920	Residential Wood Burning	DRI	Vegetative Burning; Fireplace	PM
3921	Residential Wood Burning	DRI	Vegetative Burning; Fireplace	PM
3922	Residential Wood Burning	DRI	Vegetative Burning; Fireplace	PM
3923	Residential Wood Burning	DRI	Vegetative Burning; Fireplace	PM
3924	Residential Wood Burning	DRI	Vegetative Burning; Fireplace	PM
3925	Residential Wood Burning	DRI	Vegetative Burning; Fireplace	PM
3926	Residential Wood Burning	DRI	Vegetative Burning; Fireplace	PM
3927	Residential Wood Burning	DRI	Vegetative Burning; Fireplace	PM
3928	Residential Wood Burning	DRI	Vegetative Burning; Fireplace	PM
3929	Residential Wood Burning	DRI	Vegetative Burning; Fireplace	PM
3930	Residential Wood Burning	DRI	Vegetative Burning; Fireplace	PM
3931	Residential Wood Burning	DRI	Vegetative Burning; Fireplace	PM
3932	Residential Wood Burning	DRI	Vegetative Burning; Fireplace	PM
3933	Residential Wood Burning	DRI	Vegetative Burning; Fireplace	PM
3934	Residential Wood Burning	DRI	Vegetative Burning; Fireplace	PM
3935	Residential Wood Burning	DRI	Vegetative Burning; Fireplace	PM
3936	Residential Wood Burning	DRI	Vegetative Burning; Fireplace	PM
3937	Residential Wood Burning	DRI	Vegetative Burning; Fireplace	PM
3938	Paved Road Dust	DRI	Geological; Paved Road	PM
3939	Paved Road Dust	DRI	Geological; Paved Road	PM
3940	Paved Road Dust	DRI	Geological; Paved Road	PM
3941	Paved Road Dust	DRI	Geological; Paved Road	PM
3942	Paved Road Dust	DRI	Geological; Paved Road	PM
3943	Paved Road Dust	DRI	Geological; Paved Road	PM
3944	Gasoline Exhaust - Summer, low-emitter	DRI	Motor Vehicle; Dynamometer; Gasoline	PM
3945	Gasoline Exhaust - Summer, low-emitter	DRI	Motor Vehicle; Dynamometer; Gasoline	PM
3946	Gasoline Exhaust - Summer, low-emitter	DRI	Motor Vehicle; Dynamometer; Gasoline	PM
3947	Gasoline Exhaust - Summer, low-emitter	DRI	Motor Vehicle; Dynamometer; Gasoline	PM
3948	Gasoline Exhaust - Summer, medium-emitter	DRI	Motor Vehicle; Dynamometer; Gasoline	PM
3949	Gasoline Exhaust - Summer, medium-emitter	DRI	Motor Vehicle; Dynamometer; Gasoline	PM
3950	Gasoline Exhaust - Summer, medium-emitter	DRI	Motor Vehicle; Dynamometer; Gasoline	PM
3951	Gasoline Exhaust - Summer, medium-emitter	DRI	Motor Vehicle; Dynamometer; Gasoline	PM
3952	Gasoline Exhaust - Summer, high-emitter	DRI	Motor Vehicle; Dynamometer; Gasoline	PM
3953	Gasoline Exhaust - Summer, high-emitter	DRI	Motor Vehicle; Dynamometer; Gasoline	PM
3954	Gasoline Exhaust - Summer, high-emitter	DRI	Motor Vehicle; Dynamometer; Gasoline	PM
3955	Gasoline Exhaust - Summer, high-emitter	DRI	Motor Vehicle; Dynamometer; Gasoline	PM
3956	Gasoline Exhaust - Summer, smoker	DRI	Motor Vehicle; Dynamometer; Gasoline	PM
3957	Gasoline Exhaust - Summer, smoker	DRI	Motor Vehicle; Dynamometer; Gasoline	PM
3958	Gasoline Exhaust - Summer, smoker	DRI	Motor Vehicle; Dynamometer; Gasoline	PM

Profile Number	Name	Data Origin	Keyword	Profile Type
3959	Gasoline Exhaust - Summer, smoker	DRI	Motor Vehicle; Dynamometer; Gasoline	PM
3960	Diesel Exhaust	DRI	Motor Vehicle; Diesel	PM
3961	Diesel Exhaust	DRI	Motor Vehicle; Diesel	PM
3962	Diesel Exhaust	DRI	Motor Vehicle; Diesel	PM
3963	Diesel Exhaust	DRI	Motor Vehicle; Diesel	PM
3964	Oil Refinery Deposition	DRI	Geological; Oil Refinery	PM
3965	Oil Refinery Deposition	DRI	Geological; Oil Refinery	PM
3966	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM
3967	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM
3968	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM
3969	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM
3970	Paved Road Dust	DRI	Geological; Paved Road	PM
3971	Paved Road Dust	DRI	Geological; Paved Road	PM
3972	Local Soil	DRI	Geological	PM
3973	Local Soil	DRI	Geological	PM
3974	Paved Road Dust	DRI	Geological; Paved Road	PM
3975	Paved Road Dust	DRI	Geological; Paved Road	PM
3976	Paved Road Dust	DRI	Geological; Paved Road	PM
3977	Paved Road Dust	DRI	Geological; Paved Road	PM
3978	Industrial Dust	DRI	Geological; Refuse-Derived Fuel	PM
3979	Industrial Dust	DRI	Geological; Refuse-Derived Fuel	PM
3980	Salting Material	DRI	Geological; Salting	PM
3981	Salting Material	DRI	Geological; Salting	PM
3982	Forest Soil	DRI	Geological; Forest	PM
3984	Fly Ash	DRI	Geological; Fly Ash	PM
3985	Fly Ash	DRI	Geological; Fly Ash	PM
3986	Industrial Fly Ash	DRI	Fly Ash; Utility	PM
3987	Industrial Fly Ash	DRI	Fly Ash; Utility	PM
3988	Industrial Soil	DRI	Geological; Steel	PM
3989	Industrial Soil	DRI	Geological; Steel	PM
3990	Industrial Soil	DRI	Geological; Steel	PM
3991	Industrial Soil	DRI	Geological; Steel	PM
3992	Industrial Soil	DRI	Geological; Steel	PM
3993	Industrial Soil	DRI	Geological; Steel	PM
3994	Local Soil	DRI	Geological	PM
3995	Local Soil	DRI	Geological	PM
3996	Industrial Soil	DRI	Geological; Steel	PM
3997	Industrial Soil	DRI	Geological; Steel	PM
3998	Lime Kiln	DRI	Lime Kiln	PM
3999	Lime Kiln	DRI	Lime Kiln	PM
4000	Gasoline Exhaust - Leaded	DRI	Motor Vehicle; Leaded Gasoline	PM
4001	Gasoline Exhaust - Leaded	DRI	Motor Vehicle; Leaded Gasoline	PM
4002	Paper Waste Burning	DRI	Paper Waste Burning	PM
4003	Paper Waste Burning	DRI	Paper Waste Burning	PM
4004	Residential Coal Combustion	DRI	Coal Combustion; Residential	PM
4005	Residential Coal Combustion	DRI	Coal Combustion; Residential	PM
4006	Residential Coal Combustion	DRI	Coal Combustion; Residential	PM

Profile Number	Name	Data Origin	Keyword	Profile Type
4007	Residential Coal Combustion	DRI	Coal Combustion; Residential	PM
4008	Residential Coal Combustion	DRI	Coal Combustion; Residential	PM
4009	Residential Coal Combustion	DRI	Coal Combustion; Residential	PM
4010	Residential Coal Combustion	DRI	Coal Combustion; Residential	PM
4011	Residential Coal Combustion	DRI	Coal Combustion; Residential	PM
4012	Forest Fire	DRI	Vegetative Burning; Forest Fire	PM
4013	Forest Fire	DRI	Vegetative Burning; Forest Fire	PM
4014	Diesel Exhaust	DRI	Motor Vehicle; Diesel	PM
4015	Diesel Exhaust	DRI	Motor Vehicle; Diesel	PM
4016	Diesel Exhaust	DRI	Motor Vehicle; Diesel	PM
4017	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
4018	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
4019	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
4020	Cooking	DRI	Cooking	PM
4021	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
4022	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
4023	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
4024	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
4026	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
4027	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
4028	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
4029	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
4030	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
4031	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
4032	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
4033	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
4034	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
4035	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
4036	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
4037	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
4038	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
4039	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
4040	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
4041	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
4042	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
4043	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
4044	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
4045	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
4046	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
4047	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
4048	Cooking	DRI	Cooking; Chicken	PM
4049	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
4050	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
4051	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
4052	Cooking	DRI	Cooking	PM
4053	Diesel Exhaust	DRI	Motor Vehicle; Diesel	PM
4054	Diesel Exhaust	DRI	Motor Vehicle; Diesel	PM

Profile Number	Name	Data Origin	Keyword	Profile Type
4055	Diesel Exhaust	DRI	Motor Vehicle; Diesel	PM
4056	Diesel Exhaust	DRI	Motor Vehicle; Diesel	PM
4057	Diesel Exhaust	DRI	Motor Vehicle; Diesel	PM
4058	Diesel Exhaust	DRI	Motor Vehicle; Diesel	PM
4059	Diesel Exhaust	DRI	Motor Vehicle; Diesel	PM
4060	Diesel Exhaust	DRI	Motor Vehicle; Diesel	PM
4061	Diesel Exhaust	DRI	Motor Vehicle; Diesel	PM
4062	Diesel Exhaust	DRI	Motor Vehicle; Diesel	PM
4063	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
4064	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
4065	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
4066	Paved Road Dust	DRI	Geological; Paved Road	PM
4067	Paved Road Dust	DRI	Geological; Paved Road	PM
4068	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM
4069	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM
4070	Agriculture Soil	DRI	Geological; Agriculture	PM
4071	Agriculture Soil	DRI	Geological; Agriculture	PM
4072	Farm Soil	DRI	Geological; Grain Storage	PM
4073	Farm Soil	DRI	Geological; Grain Storage	PM
4074	Local Soil	DRI	Geological	PM
4075	Local Soil	DRI	Geological	PM
4076	Marble	DRI	Geological; Marble	PM
4077	Marble	DRI	Geological; Marble	PM
4078	Fly Ash	DRI	Geological; Fly Ash	PM
4079	Fly Ash	DRI	Geological; Fly Ash	PM
4080	Landfill Material	DRI	Geological	PM
4081	Landfill Material	DRI	Geological	PM
4082	Asphalt	DRI	Geological; Asphalt	PM
4083	Asphalt	DRI	Geological; Asphalt	PM
4084	Cement	DRI	Geological; Cement	PM
4085	Cement	DRI	Geological; Cement	PM
4086	Cement	DRI	Geological; Cement	PM
4087	Cement	DRI	Geological; Cement	PM
4088	Volcanic Soil	DRI	Geological; volcanic	PM
4089	Volcanic Soil	DRI	Geological; volcanic	PM
4090	Unpaved Park Dust	DRI	Geological; Unpaved	PM
4091	Unpaved Park Dust	DRI	Geological; Unpaved	PM
4092	Unpaved Park Dust	DRI	Geological; Unpaved	PM
4093	Unpaved Park Dust	DRI	Geological; Unpaved	PM
4094	Unpaved Park Dust	DRI	Geological; Unpaved	PM
4095	Unpaved Park Dust	DRI	Geological; Unpaved	PM
4096	Unpaved Park Dust	DRI	Geological	PM
4097	Unpaved Park Dust	DRI	Geological	PM
4098	Unpaved Park Dust	DRI	Geological	PM
4099	Unpaved Park Dust	DRI	Geological	PM
4100	Paved Road Dust	DRI	Geological; Paved Road	PM
4101	Paved Road Dust	DRI	Geological; Paved Road	PM

Profile Number	Name	Data Origin	Keyword	Profile Type
4102	Paved Road Dust	DRI	Geological; Paved Road	PM
4103	Paved Road Dust	DRI	Geological; Paved Road	PM
4104	Paved Road Dust	DRI	Geological; Paved Road	PM
4105	Paved Road Dust	DRI	Geological; Paved Road	PM
4106	Road Dirt	DRI	Geological	PM
4107	Road Dirt	DRI	Geological	PM
4108	Cooking	DRI	Cooking; Pork	PM
4109	Cooking	DRI	Cooking; Pork	PM
4110	Cooking	DRI	Cooking	PM
4111	Cooking	DRI	Cooking	PM
4112	Agriculture Soil	DRI	Geological; Agriculture	PM
4113	Agriculture Soil	DRI	Geological; Agriculture	PM
4114	Agriculture Soil	DRI	Geological; Agriculture	PM
4115	Agriculture Soil	DRI	Geological; Agriculture	PM
4116	Agriculture Soil	DRI	Geological; Agriculture	PM
4117	Agriculture Soil	DRI	Geological; Agriculture	PM
4118	Agriculture Soil	DRI	Geological; Agriculture	PM
4119	Agriculture Soil	DRI	Geological; Agriculture	PM
4120	Agriculture Soil	DRI	Geological; Agriculture	PM
4121	Agriculture Soil	DRI	Geological; Agriculture	PM
4122	Agriculture Soil	DRI	Geological; Agriculture	PM
4123	Agriculture Soil	DRI	Geological; Agriculture	PM
4124	Agriculture Soil	DRI	Geological; Agriculture	PM
4125	Agriculture Soil	DRI	Geological; Agriculture	PM
4126	Agriculture Soil	DRI	Geological; Agriculture	PM
4127	Agriculture Soil	DRI	Geological; Agriculture	PM
4128	Agriculture Soil	DRI	Geological; Agriculture	PM
4129	Agriculture Soil	DRI	Geological; Agriculture	PM
4130	Agriculture Soil	DRI	Geological; Agriculture	PM
4131	Agriculture Soil	DRI	Geological; Agriculture	PM
4132	Dairy Soil	DRI	Geological; Dairy	PM
4133	Dairy Soil	DRI	Geological; Dairy	PM
4134	Feedlot Soil	DRI	Geological; Feedlot	PM
4135	Feedlot Soil	DRI	Geological; Feedlot	PM
4136	Salting Material	DRI	Geological; Salting	PM
4137	Salting Material	DRI	Geological; Salting	PM
4138	Agriculture Soil	DRI	Geological; Agriculture	PM
4139	Agriculture Soil	DRI	Geological; Agriculture	PM
4140	Agriculture Soil	DRI	Geological; Agriculture	PM
4141	Agriculture Soil	DRI	Geological; Agriculture	PM
4142	Agriculture Soil	DRI	Geological; Agriculture	PM
4143	Agriculture Soil	DRI	Geological; Agriculture	PM
4144	Agriculture Soil	DRI	Geological; Agriculture	PM
4145	Agriculture Soil	DRI	Geological; Agriculture	PM
4146	Agriculture Soil	DRI	Geological; Agriculture	PM
4147	Agriculture Soil	DRI	Geological; Agriculture	PM
4148	Agriculture Soil	DRI	Geological; Agriculture	PM



Profile Number	Name	Data Origin	Keyword	Profile Type
4149	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM
4150	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM
4151	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM
4152	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM
4153	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM
4154	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM
4155	Paved Road Dust	DRI	Geological; Paved Road	PM
4156	Paved Road Dust	DRI	Geological; Paved Road	PM
4157	Paved Road Dust	DRI	Geological; Paved Road	PM
4158	Construction Dust	DRI	Geological; Construction	PM
4159	Construction Dust	DRI	Geological; Construction	PM
4160	Staging Area Soil	DRI	Geological; Staging	PM
4161	Agriculture Soil	DRI	Geological; Agriculture	PM
4162	Agriculture Soil	DRI	Geological; Agriculture	PM
4163	Agriculture Soil	DRI	Geological; Agriculture	PM
4164	Agriculture Soil	DRI	Geological; Agriculture	PM
4165	Agriculture Soil	DRI	Geological; Agriculture	PM
4166	Agriculture Soil	DRI	Geological; Agriculture	PM
4167	Agriculture Soil	DRI	Geological; Agriculture	PM
4168	Paved Road Dust	DRI	Geological; Paved Road	PM
4169	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM
4170	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM
4171	Agriculture Soil	DRI	Geological; Agriculture	PM
4172	Agriculture Soil	DRI	Geological; Agriculture	PM
4173	Agriculture Soil	DRI	Geological; Agriculture	PM
4174	Agriculture Soil	DRI	Geological; Agriculture	PM
4175	Agriculture Soil	DRI	Geological; Agriculture	PM
4176	Dairy Soil	DRI	Geological; Dairy	PM
4177	Feedlot Soil	DRI	Geological; Feedlot	PM
4178	Paved Road Dust	DRI	Geological; Paved Road	PM
4179	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM
4180	Agriculture Soil	DRI	Geological; Agriculture	PM
4181	Dairy Soil	DRI	Geological; Dairy	PM
4182	Salting Material	DRI	Geological; Salting	PM
4183	Construction Dust	DRI	Geological; Construction	PM
4202	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline	PM
4203	Diesel Exhaust	DRI	Motor Vehicle; Diesel	PM
4204	Paved Road Dust	DRI	Geological; Paved Road	PM
4205	Paved Road Dust	DRI	Geological; Paved Road	PM
4206	Paved Road Dust	DRI	Geological; Paved Road	PM
4207	Paved Road Dust	DRI	Geological; Paved Road	PM
4208	Paved Road Dust	DRI	Geological; Paved Road	PM
4209	Paved Road Dust	DRI	Geological; Paved Road	PM
4210	Paved Road Dust	DRI	Geological; Paved Road	PM
4211	Paved Road Dust	DRI	Geological; Paved Road	PM
4212	Paved Road Dust	DRI	Geological; Paved Road	PM
4213	Paved Road Dust	DRI	Geological; Paved Road	PM

Profile Number	Name	Data Origin	Keyword	Profile Type
4214	Paved Road Dust	DRI	Geological; Paved Road	PM
4215	Paved Road Dust	DRI	Geological; Paved Road	PM
4216	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM
4217	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM
4218	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM
4219	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM
4220	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM
4221	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM
4222	Local Soil	DRI	Geological	PM
4223	Local Soil	DRI	Geological	PM
4224	Local Soil	DRI	Geological	PM
4225	Local Soil	DRI	Geological	PM
4226	Local Soil	DRI	Geological	PM
4227	Local Soil	DRI	Geological	PM
4228	Local Soil	DRI	Geological	PM
4229	Local Soil	DRI	Geological	PM
4230	Local Soil	DRI	Geological	PM
4231	Local Soil	DRI	Geological	PM
4232	Local Soil	DRI	Geological	PM
4233	Local Soil	DRI	Geological	PM
4234	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
4235	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
4236	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
4237	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
4238	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
4239	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
4240	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
4241	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
4242	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
4243	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
4244	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
4245	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
4246	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
4247	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
4248	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
4249	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
4250	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
4251	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
4252	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
4253	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
4254	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
4255	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
4256	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
4257	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
4258	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
4259	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
4260	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM

Profile Number	Name	Data Origin	Keyword	Profile Type
4261	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
4262	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
4263	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
4264	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
4265	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
4266	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
4267	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
4268	Vegetative Burning	DRI	Vegetative Burning; Open Fire	PM
4269	Vegetative Burning	DRI	Vegetative Burning; Open Fire	PM
4270	Vegetative Burning	DRI	Vegetative Burning; Open Fire	PM
4271	Vegetative Burning	DRI	Vegetative Burning; Open Fire	PM
4272	Vegetative Burning	DRI	Vegetative Burning; Open Fire	PM
4273	Vegetative Burning	DRI	Vegetative Burning; Open Fire	PM
4274	Vegetative Burning	DRI	Vegetative Burning; Open Fire	PM
4275	Vegetative Burning	DRI	Vegetative Burning; Open Fire	PM
4276	Vegetative Burning	DRI	Vegetative Burning; Open Fire	PM
4277	Vegetative Burning	DRI	Vegetative Burning; Open Fire	PM
4278	Vegetative Burning	DRI	Vegetative Burning; Open Fire	PM
4279	Vegetative Burning	DRI	Vegetative Burning; Open Fire	PM
4280	Vegetative Burning	DRI	Vegetative Burning; Open Fire	PM
4281	Vegetative Burning	DRI	Vegetative Burning; Open Fire	PM
4282	Vegetative Burning	DRI	Vegetative Burning; Open Fire	PM
4283	Vegetative Burning	DRI	Vegetative Burning; Open Fire	PM
4284	Vegetative Burning	DRI	Vegetative Burning; Open Fire	PM
4285	Vegetative Burning	DRI	Vegetative Burning; Open Fire	PM
4287	Vegetative Burning	DRI	Vegetative Burning; Open Fire	PM
4288	Vegetative Burning	DRI	Vegetative Burning; Open Fire	PM
4289	Coal Combustion	DRI	Coal Combustion; Utility	PM
4290	Coal Combustion	DRI	Coal Combustion; Utility	PM
4291	Coal Combustion	DRI	Coal Combustion; Utility	PM
4292	Coal Combustion	DRI	Coal Combustion; Utility	PM
4293	Coal Combustion	DRI	Coal Combustion; Utility	PM
4294	Coal Combustion	DRI	Coal Combustion; Utility	PM
4295	Coal Combustion	DRI	Coal Combustion; Utility	PM
4296	Coal Combustion	DRI	Coal Combustion; Utility	PM
4297	Coal Combustion	DRI	Coal Combustion; Utility	PM
4298	Coal Combustion	DRI	Coal Combustion; Utility	PM
4299	Coal Combustion	DRI	Coal Combustion; Utility	PM
4300	Coal Combustion	DRI	Coal Combustion; Utility	PM
4301	Coal Combustion	DRI	Coal Combustion; Utility	PM
4302	Coal Combustion	DRI	Coal Combustion; Utility	PM
4303	Coal Combustion	DRI	Coal Combustion; Utility	PM
4304	Coal Combustion	DRI	Coal Combustion; Utility	PM
4305	Coal Combustion	DRI	Coal Combustion; Utility	PM
4306	Coal Combustion	DRI	Coal Combustion; Utility	PM
4307	Coal Combustion	DRI	Coal Combustion; Utility	PM
4308	Coal Combustion	DRI	Coal Combustion; Utility	PM

Profile Number	Name	Data Origin	Keyword	Profile Type
4309	Coal Combustion	DRI	Coal Combustion; Utility	PM
4310	Coal Combustion	DRI	Coal Combustion; Utility	PM
4311	Coal Combustion	DRI	Coal Combustion; Utility	PM
4312	Coal Combustion	DRI	Coal Combustion; Utility	PM
4313	Coal Combustion	DRI	Coal Combustion; Utility	PM
4314	Coal Combustion	DRI	Coal Combustion; Utility	PM
4315	Fly Ash	DRI	Fly Ash; Utility	PM
4316	Fly Ash	DRI	Fly Ash; Utility	PM
4317	Fly Ash	DRI	Fly Ash; Utility	PM
4318	Oil Catalytic Cracker	DRI	Catalytic Cracker; Oil	PM
4319	Oil Catalytic Cracker	DRI	Catalytic Cracker; Oil	PM
4320	Oil Catalytic Cracker	DRI	Catalytic Cracker; Oil	PM
4321	Oil Catalytic Cracker	DRI	Catalytic Cracker; Oil	PM
4322	Oil Catalytic Cracker	DRI	Catalytic Cracker; Oil	PM
4323	Cement Kiln	DRI	Cement Kiln	PM
4324	Cement Kiln	DRI	Cement Kiln	PM
4325	Cement Kiln	DRI	Cement Kiln	PM
4326	Cement Kiln	DRI	Cement Kiln	PM
4327	Cement Kiln	DRI	Cement Kiln	PM
4328	Cement Kiln	DRI	Cement Kiln	PM
4329	Cement Kiln	DRI	Cement Kiln	PM
4330	Cement Kiln	DRI	Cement Kiln	PM
4331	Cement Kiln	DRI	Cement Kiln	PM
4332	Cement Kiln	DRI	Cement Kiln	PM
4333	Cement Kiln	DRI	Cement Kiln	PM
4334	Cooking	DRI	Cooking; Chicken	PM
4335	Cooking	DRI	Cooking; Chicken	PM
4336	Cooking	DRI	Cooking; Chicken	PM
4337	Cooking	DRI	Cooking; Chicken	PM
4338	Cooking	DRI	Cooking; Chicken	PM
4339	Cooking	DRI	Cooking; Chicken	PM
4340	Cooking	DRI	Cooking; Chicken	PM
4341	Cooking	DRI	Cooking; Chicken	PM
4342	Cooking	DRI	Cooking; Chicken	PM
4343	Cooking	DRI	Cooking; Hamburger	PM
4344	Cooking	DRI	Cooking; Hamburger	PM
4345	Cooking	DRI	Cooking; Steak	PM
4346	Paved Road Dust	DRI	Geological; Paved Road	PM
4347	Paved Road Dust	DRI	Geological; Paved Road	PM
4348	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM
4349	Unpaved Road Dust	DRI	Geological; Unpaved Road	PM
4350	Local Soil	DRI	Geological	PM
4351	Local Soil	DRI	Geological	PM
4352	Local Soil	DRI	Geological	PM
4353	Local Soil	DRI	Geological	PM
4354	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
4355	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM

Profile Number	Name	Data Origin	Keyword	Profile Type
4356	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
4357	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
4358	Motor Vehicle Exhaust	DRI	Motor Vehicle; Gasoline and Diesel	PM
4359	Vegetative Burning	DRI	Vegetative Burning; Open Fire	PM
4360	Vegetative Burning	DRI	Vegetative Burning; Open Fire	PM
4361	Vegetative Burning	DRI	Vegetative Burning; Open Fire	PM
4362	Vegetative Burning	DRI	Vegetative Burning; Open Fire	PM
4363	Vegetative Burning	DRI	Vegetative Burning; Open Fire	PM
4364	Vegetative Burning	DRI	Vegetative Burning; Open Fire	PM
4365	Vegetative Burning	DRI	Vegetative Burning; Open Fire	PM
4366	Vegetative Burning	DRI	Vegetative Burning; Open Fire	PM
4367	Coal Combustion	DRI	Coal Combustion; Utility	PM
4368	Coal Combustion	DRI	Coal Combustion; Utility	PM
4369	Coal Combustion	DRI	Coal Combustion; Utility	PM
4370	Coal Combustion	DRI	Coal Combustion; Utility	PM
4371	Coal Combustion	DRI	Coal Combustion; Utility	PM
4373	Coal Combustion	DRI	Coal Combustion; Utility	PM
4374	Fly Ash	DRI	Fly Ash; Utility	PM
4375	Oil Catalytic Cracker	DRI	Catalytic Cracker; Oil	PM
4376	Cement Kiln	DRI	Cement Kiln	PM
4377	Cement Kiln	DRI	Cement Kiln	PM
4378	Cement Kiln	DRI	Cement Kiln	PM
4379	Cooking	DRI	Cooking; Chicken	PM
4380	Cooking	DRI	Cooking; Chicken	PM
4381	Cooking	DRI	Cooking; Chicken	PM
4382	Cooking	DRI	Cooking; Hamburger	PM
4383	Cooking	DRI	Cooking; Hamburger	PM
4384	Residential Wood Burning	DRI	Vegetative Burning; Fireplace	PM
4385	Residential Wood Burning	DRI	Vegetative Burning; Fireplace	PM
4386	Residential Wood Burning	DRI	Vegetative Burning; Fireplace	PM
4387	Residential Wood Burning	DRI	Vegetative Burning; Fireplace	PM
4388	Residential Wood Burning	DRI	Vegetative Burning; Fireplace	PM
4389	Residential Wood Burning	DRI	Vegetative Burning; Fireplace	PM
4390	Residential Vegetative Burning	DRI	Vegetative Burning; Fireplace	PM
4391	Residential Vegetative Burning	DRI	Vegetative Burning; Fireplace	PM
4392	Residential Vegetative Burning	DRI	Vegetative Burning; Fireplace	PM
4393	Residential Wood Burning	DRI	Vegetative Burning; Fireplace	PM
4394	Oil Refinery	DRI	Oil Refinery; Natural Gas	PM
4395	Oil Refinery	DRI	Oil Refinery; Natural Gas	PM
4396	Oil Refinery	DRI	Oil Refinery; Natural Gas	PM
4397	Oil Refinery	DRI	Oil Refinery; Natural Gas	PM
4398	Oil Refinery	DRI	Oil Refinery; Natural Gas	PM
4399	Oil Refinery	DRI	Oil Refinery	PM
4400	Oil Refinery	DRI	Oil Refinery	PM
4401	Oil Refinery	DRI	Oil Refinery	PM
4402	Oil Refinery	DRI	Oil Refinery	PM
4403	Oil Refinery	DRI	Oil Refinery	PM

Profile Number	Name	Data Origin	Keyword	Profile Type
4404	Oil Refinery	DRI	Oil Refinery	PM
4405	Oil Refinery	DRI	Oil Refinery	PM
4406	Oil Refinery	DRI	Oil Refinery	PM
4407	Oil Refinery	DRI	Oil Refinery	PM
4408	Oil Refinery	DRI	Oil Refinery	PM
4409	Oil Refinery	DRI	Oil Refinery	PM
4410	Oil Refinery	DRI	Oil Refinery	PM
4411	Oil Refinery	DRI	Oil Refinery	PM
4412	Oil Refinery	DRI	Oil Refinery; Natural Gas	PM
4413	Oil Refinery	DRI	Oil Refinery; Natural Gas	PM
4414	Oil Refinery	DRI	Oil Refinery; Natural Gas	PM
4415	Oil Refinery	DRI	Oil Refinery; Natural Gas	PM
4463	Forest Fire	EPA APPCD	Biomass open burning; Foliar fuels; Wild fires; Prescribed forest fires	PM
4464	Forest Fire	EPA APPCD	Biomass open burning; Foliar fuels; Wild fires; Prescribed forest fires	PM
4465	Forest Fire	EPA APPCD	Biomass open burning; Foliar fuels; Wild fires; Prescribed forest fires	PM
4466	Forest Fire	EPA APPCD	Biomass open burning; Foliar fuels; Wild fires; Prescribed forest fires	PM
4467	Forest Fire	EPA APPCD	Biomass open burning; Foliar fuels; Wild fires; Prescribed forest fires	PM
4468	Forest Fire	EPA APPCD	Biomass open burning; Foliar fuels; Wild fires; Prescribed forest fires	PM
4554	Meat charbroiling emissions	Literature-Schauer	Meat charbroiling, natural gas-fired charbroiler, hamburger charbroiling	PM
4558	Vehicle exhaust - gasoline - Catalyst	Literature-Schauer	gasoline vehicle exhaust	PM
4559	Vehicle exhaust - gasoline - Noncatalyst	Literature-Schauer	gasoline vehicle exhaust	PM
4643	Residential Wood Combustion	Literature-Schauer	Vegetative Burning; Fireplace; Wood Smoke	PM
4644	Residential Wood Combustion	Literature-Schauer	Vegetative Burning; Fireplace; Wood Smoke	PM
4645	Residential Wood Combustion	Literature-Schauer	Vegetative Burning; Fireplace; Wood Smoke	PM
4653	Cooking vegetables - Stir frying in soybean oil	Literature-Schauer	Cooking vegetables; Stir frying	PM
4654	Cooking vegetables - Stir frying in canola oil	Literature-Schauer	Cooking vegetables; Stir frying	PM
4655	Cooking potatoes - Deep frying in hydrogenated oil	Literature-Schauer	Cooking potatoes; Deep frying	PM
4656	Paved road dust fine particulate matters - Long Beach	Literature-Schauer	road dust fine particles	PM
4657	Paved road dust fine particulate matters - Central Los Angel	Literature-Schauer	road dust fine particles	PM
4658	Paved road dust fine particulate matters - Roubidoux	Literature-Schauer	road dust fine particles	PM
4660	Cigarette Smoke	Literature-Schauer	cigarette smoke	PM
4663	Industrial surface coating operations - water based	Literature-Schauer	Industrial Spray Painting Operations; Surface coating water-based	PM
4664	Industrial surface coating operations - oil based	Literature-Schauer	Industrial Spray Painting Operations; Surface coating oil-based	PM
4675	Medium duty trucks - diesel	Literature-Schauer	diesel truck exhaust, motor vehicles	PM
4704	Wood-fired Industrial Boiler - NWWAS	EPA APPCD	Wood-Fired Industrial Boiler	PM
4705	Wood-fired Industrial Boiler - sampled without denuder	EPA APPCD	Wood-Fired Industrial Boiler	PM
4706	Food & Ag - Drying (Rice Dryer)	KVB0007	Food & Ag - Drying; Rice Dryer	PM
4707	Steel Abrasive Blasting	KVB0010	Steel cleaning; Abrasive Blasting	PM
4708	Fiberglass Manufacture	KVB0018	Fiberglass Wool Manufacturing	PM
4709	Wood Operation - Resawing	KVB0025	Wood Operation; Resawing	PM
4718	Iron and Steel Manufacturing	Literature	Iron and Steel Manufacturing	PM
4719	Iron and Steel Manufacturing	Literature	Iron and Steel Manufacturing	PM
4720	Iron and Steel Manufacturing	Literature	Iron and Steel Manufacturing	PM
4721	Iron and Steel Manufacturing	Literature	Iron and Steel Manufacturing	PM
4722	Iron and Steel Manufacturing	Literature	Iron and Steel Manufacturing	PM
4733	External Combustion - Pulp and Paper Mills Kraft Precess Recovery Boiler	EPA APPCD	Boiler; Pulp and Paper Mills	PM

Profile Number	Name	Data Origin	Keyword	Profile Type
4734	External Combustion - Pulp and Paper Mills Kraft Process Recovery Boiler	EPA APPCD	Boiler; Pulp and Paper Mills	PM
4735	External Combustion - Pulp and Paper Mills Kraft Process Recovery Boiler	EPA APPCD	Boiler; Pulp and Paper Mills	PM
4736	Distillate Oil Combustion	EPA APPCD	Distillate Oil Combustion	PM
4737	Residual Oil Combustion	EPA APPCD	Residual Oil Combustion	PM
91000	Agricultural Burning - Composite	SPECIATE Workgroup	Agricultural Burning; PM Composite	PM
91001	Agricultural Soil - Composite	SPECIATE Workgroup	Agricultural Soil; PM Composite	PM
91002	Brake Lining Dust - Composite	SPECIATE Workgroup	Brake Lining Dust; PM Composite	PM
91003	Catalytic Cracking - Composite	SPECIATE Workgroup	Catalytic Cracking; PM Composite	PM
91004	Cement Production - Composite	SPECIATE Workgroup	Cement Production; PM Composite	PM
91005	Charbroiling - Composite	SPECIATE Workgroup	Charbroiling; PM Composite	PM
91006	Cigarette Smoke - Composite	SPECIATE Workgroup	Cigarette Smoke; PM Composite	PM
91007	Construction Dust - Composite	SPECIATE Workgroup	Construction Dust; PM Composite	PM
91008	Copper Production - Composite	SPECIATE Workgroup	Copper Production; PM Composite	PM
91009	Crustal Material - Composite	SPECIATE Workgroup	Crustal Material; PM Composite	PM
91011	Electric Arc Furnace - Composite	SPECIATE Workgroup	Electric Arc Furnace; PM Composite	PM
91012	Ferromanganese Furnace - Composite	SPECIATE Workgroup	Ferromanganese Furnace; PM Composite	PM
91013	Fly Ash - Composite	SPECIATE Workgroup	Fly Ash; PM Composite	PM
91014	Food & Ag - Handling - Composite	SPECIATE Workgroup	Food & Ag; PM Handling; PM Composite	PM
91015	Industrial Soil - Composite	SPECIATE Workgroup	Industrial Soil; PM Composite	PM
91016	Inorganic Fertilizer - Composite	SPECIATE Workgroup	Inorganic Fertilizer; PM Composite	PM
91017	LDDV Exhaust - Composite	SPECIATE Workgroup	LDDV Exhaust; PM Composite	PM
91018	Lime Kiln - Composite	SPECIATE Workgroup	Lime Kiln; PM Composite	PM
91019	Limestone Dust - Composite	SPECIATE Workgroup	Limestone Dust; PM Composite	PM
91020	Natural Gas Combustion - Composite	SPECIATE Workgroup	Natural Gas Combustion; PM Composite	PM
91021	Non-catalyst Gasoline Exhaust - Composite	SPECIATE Workgroup	Non-catalyst Gasoline Exhaust; PM Composite	PM

Profile Number	Name	Data Origin	Keyword	Profile Type
91022	Onroad Gasoline Exhaust - Composite	SPECIATE Workgroup	Onroad Gasoline Exhaust; PM Composite	PM
91023	Paved Road Dust - Composite	SPECIATE Workgroup	Paved Road Dust; PM Composite	PM
91024	Phosphate Manuf - Composite	SPECIATE Workgroup	Phosphate Manuf; PM Composite	PM
91025	PMSO2ControlledLigniteCombustion - Composite	SPECIATE Workgroup	PMSO2ControlledLigniteCombustion; PM Composite	PM
91026	Prescribed Burning - Composite	SPECIATE Workgroup	Prescribed Burning; PM Composite	PM
91027	Process Gas Combustion - Composite	SPECIATE Workgroup	Process Gas Combustion; PM Composite	PM
91028	Residential Coal Combustion - Composite	SPECIATE Workgroup	Residential Coal Combustion; PM Composite	PM
91029	Residential Wood Combustion: Eucalyptus - Composite	SPECIATE Workgroup	Residential Wood Combustion: Eucalyptus; PM Composite	PM
91030	Residential Wood Combustion: Hard - Composite	SPECIATE Workgroup	Residential Wood Combustion: Hard; PM Composite	PM
91031	Residential Wood Combustion: HardSoft - Composite	SPECIATE Workgroup	Residential Wood Combustion: HardSoft; PM Composite	PM
91032	Residential Wood Combustion: HardSoftN/A - Composite	SPECIATE Workgroup	Residential Wood Combustion: HardSoftN/A; PM Composite	PM
91033	Residential Wood Combustion: Soft - Composite	SPECIATE Workgroup	Residential Wood Combustion: Soft; PM Composite	PM
91035	Sand & Gravel - Composite	SPECIATE Workgroup	Sand & Gravel; PM Composite	PM
91036	Sandblast - Composite	SPECIATE Workgroup	Sandblast; PM Composite	PM
91037	Secondary Aluminum - Composite	SPECIATE Workgroup	Secondary Aluminum; PM Composite	PM
91038	Sintering Furnace - Composite	SPECIATE Workgroup	Sintering Furnace; PM Composite	PM
91039	Slash Burning - Composite	SPECIATE Workgroup	Slash Burning; PM Composite	PM
91040	Solid Waste Combustion - Composite	SPECIATE Workgroup	Solid Waste Combustion; PM Composite	PM
91041	SubBituminousCombustion - Composite	SPECIATE Workgroup	SubBituminousCombustion; PM Composite	PM
91042	Surface Coating - Composite	SPECIATE Workgroup	Surface Coating; PM Composite	PM
91043	Tire Dust - Composite	SPECIATE Workgroup	Tire Dust; PM Composite	PM
91044	Unpaved Road Dust - Composite	SPECIATE Workgroup	Unpaved Road Dust; PM Composite	PM
91045	Wildfires - Composite	SPECIATE Workgroup	Wildfires; PM Composite	PM
91046	Wood Product Drying - Composite	SPECIATE Workgroup	Wood Product Drying; PM Composite	PM



Profile Number	Name	Data Origin	Keyword	Profile Type
91047	Wood Product Sawing - Composite	SPECIATE Workgroup	Wood Product Sawing; PM Composite	PM
91048	BituminousCoalCombustion - Composite	SPECIATE Workgroup	Bituminous Coal Combustion	PM
92000	Agricultural Burning - Simplified	SPECIATE Workgroup	Agricultural Burning; PM Simplified	PM
92001	Agricultural Soil - Simplified	SPECIATE Workgroup	Agricultural Soil; PM Simplified	PM
92002	Aluminum Production - Simplified	SPECIATE Workgroup	Aluminum Production; PM Simplified	PM
92003	Ammonium Nitrate Production - Simplified	SPECIATE Workgroup	Ammonium Nitrate Production; PM Simplified	PM
92004	Ammonium Sulfate Production - Simplified	SPECIATE Workgroup	Ammonium Sulfate Production; PM Simplified	PM
92005	Asphalt Manufacturing - Simplified	SPECIATE Workgroup	Asphalt Manufacturing; PM Simplified	PM
92006	Asphalt Roofing - Simplified	SPECIATE Workgroup	Asphalt Roofing; PM Simplified	PM
92007	Auto Body Shredding - Simplified	SPECIATE Workgroup	Auto Body Shredding; PM Simplified	PM
92008	Boric Acid Manufacturing - Simplified	SPECIATE Workgroup	Boric Acid Manufacturing; PM Simplified	PM
92009	Brake Lining Dust - Simplified	SPECIATE Workgroup	Brake Lining Dust; PM Simplified	PM
92010	Brick Grinding and Screening - Simplified	SPECIATE Workgroup	Brick Grinding and Screening; PM Simplified	PM
92011	Calcium Carbide Furnace - Simplified	SPECIATE Workgroup	Calcium Carbide Furnace; PM Simplified	PM
92012	Cast Iron Cupola - Simplified	SPECIATE Workgroup	Cast Iron Cupola; PM Simplified	PM
92013	Catalytic Cracking - Simplified	SPECIATE Workgroup	Catalytic Cracking; PM Simplified	PM
92014	Cement Production - Simplified	SPECIATE Workgroup	Cement Production; PM Simplified	PM
92015	Charbroiling - Simplified	SPECIATE Workgroup	Charbroiling; PM Simplified	PM
92016	Charcoal Manufacturing - Simplified	SPECIATE Workgroup	Charcoal Manufacturing; PM Simplified	PM
92017	Chem Manuf - Avg - Simplified	SPECIATE Workgroup	Chem Manuf; PM Avg; PM Simplified	PM
92018	Cigarette Smoke - Simplified	SPECIATE Workgroup	Cigarette Smoke; PM Simplified	PM
92019	Coke Calciner - Simplified	SPECIATE Workgroup	Coke Calciner; PM Simplified	PM
92020	Construction Dust - Simplified	SPECIATE Workgroup	Construction Dust; PM Simplified	PM
92021	Copper Production - Simplified	SPECIATE Workgroup	Copper Production; PM Simplified	PM

Profile Number	Name	Data Origin	Keyword	Profile Type
92022	Crustal Material - Simplified	SPECIATE Workgroup	Crustal Material; PM Simplified	PM
92023	Dairy Soil - Simplified	SPECIATE Workgroup	Dairy Soil; PM Simplified	PM
92025	Distillate Oil Combustion - Simplified	SPECIATE Workgroup	Distillate Oil Combustion; PM Simplified	PM
92026	Electric Arc Furnace - Simplified	SPECIATE Workgroup	Electric Arc Furnace; PM Simplified	PM
92027	Ferromanganese Furnace - Simplified	SPECIATE Workgroup	Ferromanganese Furnace; PM Simplified	PM
92028	Fiberglass Manufacture - Simplified	SPECIATE Workgroup	Fiberglass Manufacture; PM Simplified	PM
92029	Fly Ash - Simplified	SPECIATE Workgroup	Fly Ash; PM Simplified	PM
92030	Food & Ag - Handling - Simplified	SPECIATE Workgroup	Food & Ag; PM Handling; PM Simplified	PM
92031	Food & Ag - Drying - Simplified	SPECIATE Workgroup	Food & Ag; PM Drying; PM Simplified	PM
92032	Geothermal Background - Simplified	SPECIATE Workgroup	Geothermal Background; PM Simplified	PM
92033	Glass Furnace - Simplified	SPECIATE Workgroup	Glass Furnace; PM Simplified	PM
92034	Gypsum Manufacture - Simplified	SPECIATE Workgroup	Gypsum Manufacture; PM Simplified	PM
92035	HDDV Exhaust - Simplified	SPECIATE Workgroup	HDDV Exhaust; PM Simplified	PM
92036	Heat Treating - Simplified	SPECIATE Workgroup	Heat Treating; PM Simplified	PM
92037	Ind Manuf - Avg. - Simplified	SPECIATE Workgroup	Ind Manuf; PM Avg.; PM Simplified	PM
92038	Industrial Soil - Simplified	SPECIATE Workgroup	Industrial Soil; PM Simplified	PM
92039	Inorganic Chemical Manufacture - Simplified	SPECIATE Workgroup	Inorganic Chemical Manufacture; PM Simplified	PM
92040	Inorganic Fertilizer - Simplified	SPECIATE Workgroup	Inorganic Fertilizer; PM Simplified	PM
92041	Kraft Recovery Furnace - Simplified	SPECIATE Workgroup	Kraft Recovery Furnace; PM Simplified	PM
92042	LDDV Exhaust - Simplified	SPECIATE Workgroup	LDDV Exhaust; PM Simplified	PM
92043	Lead Production - Simplified	SPECIATE Workgroup	Lead Production; PM Simplified	PM
92044	Lime Kiln - Simplified	SPECIATE Workgroup	Lime Kiln; PM Simplified	PM
92045	Limestone Dust - Simplified	SPECIATE Workgroup	Limestone Dust; PM Simplified	PM
92046	Meat Frying - Simplified	SPECIATE Workgroup	Meat Frying; PM Simplified	PM

Profile Number	Name	Data Origin	Keyword	Profile Type
92047	Mineral Products - Avg - Simplified	SPECIATE Workgroup	Mineral Products; PM Avg; PM Simplified	PM
92048	Natural Gas Combustion - Simplified	SPECIATE Workgroup	Natural Gas Combustion; PM Simplified	PM
92049	Non-catalyst Gasoline Exhaust - Simplified	SPECIATE Workgroup	Non-catalyst Gasoline Exhaust; PM Simplified	PM
92050	Onroad Gasoline Exhaust - Simplified	SPECIATE Workgroup	Onroad Gasoline Exhaust; PM Simplified	PM
92051	Open Hearth Furnace - Simplified	SPECIATE Workgroup	Open Hearth Furnace; PM Simplified	PM
92052	Overall Average/Default - Simplified	SPECIATE Workgroup	Overall Average/Default; PM Simplified	PM
92053	Paved Road Dust - Simplified	SPECIATE Workgroup	Paved Road Dust; PM Simplified	PM
92054	Petroleum Ind - Avg - Simplified	SPECIATE Workgroup	Petroleum Ind; PM Avg; PM Simplified	PM
92055	Phosphate Manuf - Simplified	SPECIATE Workgroup	Phosphate Manuf; PM Simplified	PM
92056	PMControlledLigniteCombustion - Simplified	SPECIATE Workgroup	PMControlledLigniteCombustion; PM Simplified	PM
92057	PMSO2ControlledLigniteCombustion - Simplified	SPECIATE Workgroup	PMSO2ControlledLigniteCombustion; PM Simplified	PM
92058	Potato Deep-Frying - Simplified	SPECIATE Workgroup	Potato Deep-Frying; PM Simplified	PM
92059	Prescribed Burning - Simplified	SPECIATE Workgroup	Prescribed Burning; PM Simplified	PM
92060	Process Gas Combustion - Simplified	SPECIATE Workgroup	Process Gas Combustion; PM Simplified	PM
92061	Pulp & Paper -Avg. - Simplified	SPECIATE Workgroup	Pulp & Paper -Avg.; PM Simplified	PM
92062	Residential Coal Combustion - Simplified	SPECIATE Workgroup	Residential Coal Combustion; PM Simplified	PM
92063	Residential Natural Gas Combustion - Simplified	SPECIATE Workgroup	Residential Natural Gas Combustion; PM Simplified	PM
92064	Residential Wood Combustion: Almond - Simplified	SPECIATE Workgroup	Residential Wood Combustion: Almond; PM Simplified	PM
92065	Residential Wood Combustion: Cedar - Simplified	SPECIATE Workgroup	Residential Wood Combustion: Cedar; PM Simplified	PM
92066	Residential Wood Combustion: Eucalyptus - Simplified	SPECIATE Workgroup	Residential Wood Combustion: Eucalyptus; PM Simplified	PM
92067	Residential Wood Combustion: Hard - Simplified	SPECIATE Workgroup	Residential Wood Combustion: Hard; PM Simplified	PM
92068	Residential Wood Combustion: HardSoft - Simplified	SPECIATE Workgroup	Residential Wood Combustion: HardSoft; PM Simplified	PM
92069	Residential Wood Combustion: HardSoftN/A - Simplified	SPECIATE Workgroup	Residential Wood Combustion: HardSoftN/A; PM Simplified	PM
92070	Residential Wood Combustion: Soft - Simplified	SPECIATE Workgroup	Residential Wood Combustion: Soft; PM Simplified	PM

Profile Number	Name	Data Origin	Keyword	Profile Type
92071	Residential Wood Combustion - Simplified	SPECIATE Workgroup	Residential Wood Combustion; PM Simplified	PM
92072	Residual Oil Combustion - Simplified	SPECIATE Workgroup	Residual Oil Combustion; PM Simplified	PM
92073	Sand & Gravel - Simplified	SPECIATE Workgroup	Sand & Gravel; PM Simplified	PM
92074	Sandblast - Simplified	SPECIATE Workgroup	Sandblast; PM Simplified	PM
92075	Sea Salt - Simplified	SPECIATE Workgroup	Sea Salt; PM Simplified	PM
92076	Secondary Aluminum - Simplified	SPECIATE Workgroup	Secondary Aluminum; PM Simplified	PM
92077	Secondary Copper - Simplified	SPECIATE Workgroup	Secondary Copper; PM Simplified	PM
92078	Secondary Lead - Simplified	SPECIATE Workgroup	Secondary Lead; PM Simplified	PM
92079	Sintering Furnace - Simplified	SPECIATE Workgroup	Sintering Furnace; PM Simplified	PM
92080	Slash Burning - Simplified	SPECIATE Workgroup	Slash Burning; PM Simplified	PM
92081	Sludge Combustion - Simplified	SPECIATE Workgroup	Sludge Combustion; PM Simplified	PM
92082	Solid Waste Combustion - Simplified	SPECIATE Workgroup	Solid Waste Combustion; PM Simplified	PM
92083	Steel Desulfurization - Simplified	SPECIATE Workgroup	Steel Desulfurization; PM Simplified	PM
92084	SubBituminousCombustion - Simplified	SPECIATE Workgroup	SubBituminousCombustion; PM Simplified	PM
92085	Surface Coating - Simplified	SPECIATE Workgroup	Surface Coating; PM Simplified	PM
92086	Tire Burning - Simplified	SPECIATE Workgroup	Tire Burning; PM Simplified	PM
92087	Tire Dust - Simplified	SPECIATE Workgroup	Tire Dust; PM Simplified	PM
92088	Unpaved Road Dust - Simplified	SPECIATE Workgroup	Unpaved Road Dust; PM Simplified	PM
92089	Urea Fertilizer - Simplified	SPECIATE Workgroup	Urea Fertilizer; PM Simplified	PM
92090	Wildfires - Simplified	SPECIATE Workgroup	Wildfires; PM Simplified	PM
92091	Wood Fired Boiler - Simplified	SPECIATE Workgroup	Wood Fired Boiler; PM Simplified	PM
92092	Wood Product Drying - Simplified	SPECIATE Workgroup	Wood Product Drying; PM Simplified	PM
92093	Wood Product Sanding - Simplified	SPECIATE Workgroup	Wood Product Sanding; PM Simplified	PM
92094	Wood Product Sawing - Simplified	SPECIATE Workgroup	Wood Product Sawing; PM Simplified	PM

Profile Number	Name	Data Origin	Keyword	Profile Type
92095	BituminousCoalCombustion - Simplified	SPECIATE Workgroup	BituminousCombustion; PM Simplified	PM
112012.5	Coal-Fired Power Plant	SPECIATE 3.2	COAL COMBUSTION, UTILITY, POWER PLANT, ELECTRIC GENERATION	PM
112022.5	Coal-Fired Power Plant	SPECIATE 3.2	COAL COMBUSTION, UTILITY, POWER PLANT, ELECTRIC GENERATION	PM
112032.5	Coal-Fired Power Plant	SPECIATE 3.2	COAL COMBUSTION, UTILITY, POWER PLANT, ELECTRIC GENERATION	PM
112042.5	Coal-Fired Power Plant	SPECIATE 3.2	COAL COMBUSTION, UTILITY, POWER PLANT, ELECTRIC GENERATION	PM
112052.5	Coal-Fired Power Plant	SPECIATE 3.2	COAL COMBUSTION, UTILITY, POWER PLANT, ELECTRIC GENERATION	PM
112062.5	Coal-Fired Power Plant	SPECIATE 3.2	COAL COMBUSTION, UTILITY, POWER PLANT, ELECTRIC GENERATION	PM
112072.5	Coal-Fired Power Plant	SPECIATE 3.2	COAL COMBUSTION, UTILITY, POWER PLANT, ELECTRIC GENERATION	PM
112082.5	Coal-Fired Power Plant	SPECIATE 3.2	COAL COMBUSTION, UTILITY, POWER PLANT, ELECTRIC GENERATION	PM
112092.5	Coal-Fired Power Plant	SPECIATE 3.2	COAL COMBUSTION, UTILITY, POWER PLANT, ELECTRIC GENERATION	PM
112102.5	Coal-Fired Power Plant	SPECIATE 3.2	COAL COMBUSTION, UTILITY, POWER PLANT, ELECTRIC GENERATION	PM
112112.5	Coal-Fired Power Plant	SPECIATE 3.2	COAL COMBUSTION, UTILITY, POWER PLANT, ELECTRIC GENERATION	PM
112122.5	Coal-Fired Power Plant	SPECIATE 3.2	COAL COMBUSTION, UTILITY, POWER PLANT, ELECTRIC GENERATION	PM
112132.5	External Combustion - Coal-Fired Composite	SPECIATE 3.2	COAL COMBUSTION	PM
112142.5	Uncontrolled Coal-Fired Power Plant Composite	SPECIATE 3.2	COAL COMBUSTION, UTILITY, POWER PLANT, ELECTRIC GENERATION	PM
112152.5	Coal-Fired Power Plant/esp Composite	SPECIATE 3.2	COAL COMBUSTION, UTILITY, POWER PLANT, ELECTRIC GENERATION	PM
113012.5	Coal- And Refuse Derived Fuel (RDF)-Fired Power Plant	SPECIATE 3.2	COAL COMBUSTION, UTILITY, POWER PLANT, ELECTRIC GENERATION, RDF COMBUSTION	PM
115012.5	Oil-Fired Power Plant	SPECIATE 3.2	OIL COMBUSTION, UTILITY, POWER PLANT, ELECTRIC GENERATION	PM
115022.5	Oil-Fired Power Plant	SPECIATE 3.2	OIL COMBUSTION, UTILITY, POWER PLANT, ELECTRIC GENERATION	PM
115032.5	Oil-Fired Power Plant	SPECIATE 3.2	OIL COMBUSTION, UTILITY, POWER PLANT, ELECTRIC GENERATION	PM
115042.5	Oil-Fired Power Plant	SPECIATE 3.2	OIL COMBUSTION, UTILITY, POWER PLANT, ELECTRIC GENERATION	PM
115052.5	Oil-Fired Power Plant	SPECIATE 3.2	OIL COMBUSTION, UTILITY, POWER PLANT, ELECTRIC GENERATION	PM
115062.5	Oil-Fired Power Plant	SPECIATE 3.2	OIL COMBUSTION, UTILITY, POWER PLANT, ELECTRIC GENERATION	PM
115072.5	Oil-Fired Power Plant	SPECIATE 3.2	OIL COMBUSTION, UTILITY, POWER PLANT, ELECTRIC GENERATION	PM
115082.5	Oil-Fired Power Plant	SPECIATE 3.2	OIL COMBUSTION, UTILITY, POWER PLANT, ELECTRIC GENERATION	PM
115092.5	Oil-Fired Power Plant	SPECIATE 3.2	OIL COMBUSTION, UTILITY, POWER PLANT, ELECTRIC GENERATION	PM
115102.5	Oil-Fired Power Plant Composite	SPECIATE 3.2	OIL COMBUSTION, UTILITY, POWER PLANT, ELECTRIC GENERATION	PM
118012.5	Wood-Fired Boiler	SPECIATE 3.2	BOILER, WOOD COMBUSTION	PM
122012.5	External Combustion Boiler - Coal-Slurry Fired	SPECIATE 3.2	BOILER, COAL-SLURRY COMBUSTION	PM
123012.5	External Combustion - Kerosene-Fired Boiler Composite	SPECIATE 3.2	BOILER, KEROSENE COMBUSTION	PM
127042.5	Wood-Fired Boiler	SPECIATE 3.2	BOILER, WOOD COMBUSTION	PM
127052.5	External Combustion - Wood-Fired Boiler Composite	SPECIATE 3.2	BOILER, WOOD COMBUSTION	PM
127062.5	Hogged Fuel Boiler / Plywood Manufacturing	SPECIATE 3.2	BOILER, HOGGED FUEL COMBUSTION, PLYWOOD MANUFACTURING, INDUSTRIAL	PM
127072.5	Hogged Fuel Boiler / Dutch Oven	SPECIATE 3.2	BOILER, HOGGED FUEL COMBUSTION, DUTCH OVEN, INDUSTRIAL	PM
127082.5	Hogged Fuel Boiler / Plywood Manufacturing	SPECIATE 3.2	BOILER, HOGGED FUEL COMBUSTION, PLYWOOD MANUFACTURING, INDUSTRIAL	PM
127092.5	Hogged Fuel Boiler / Stoker Boiler	SPECIATE 3.2	BOILER, HOGGED FUEL COMBUSTION, STOKER BOILER, INDUSTRIAL	PM
127102.5	Boiler - #2 Fuel Oil Fired	SPECIATE 3.2	BOILER, FUEL OIL COMBUSTION	PM
135012.5	Residual Oil Combustion	SPECIATE 3.2	BOILER, RESIDUAL OIL COMBUSTION	PM
135022.5	External Combustion - Heavy Oil-Fired Boiler Composite	SPECIATE 3.2	BOILER, HEAVY OIL COMBUSTION	PM
135032.5	External Combustion - Indonesian Oil-Fired Boiler Composite	SPECIATE 3.2	BOILER, OIL COMBUSTION	PM
135042.5	Oil-Fired Boiler	SPECIATE 3.2	BOILER, OIL COMBUSTION	PM
135052.5	Residual Oil-Fired Boiler / Petroleum Refinery	SPECIATE 3.2	BOILER, RESIDUAL OIL COMBUSTION, REFINERY, INDUSTRIAL	PM
141012.5	External Combustion - Waste Oil-Fired Boiler	SPECIATE 3.2	BOILER, WASTE OIL COMBUSTION	PM
141022.5	External Combustion - Liquid Waste-Fired Boiler	SPECIATE 3.2	BOILER, LIQUID WASTE COMBUSTION	PM
151012.5	External Combustion - Solid Waste-Fired Boiler	SPECIATE 3.2	BOILER, SOLID WASTE COMBUSTION	PM
160002.5	Meat Cooking - Charbroiling	SPECIATE 3.2	MEAT COOKING, CHARBROILING	PM

Profile Number	Name	Data Origin	Keyword	Profile Type
160012.5	Meat Cooking - Frying	SPECIATE 3.2	MEAT COOKING, FRYING	PM
171052.5	Municipal Incinerator (Philadelphia)	SPECIATE 3.2	INCINERATOR, MUNICIPAL WASTE INCINERATION	PM
171062.5	Municipal Incinerator Composite	SPECIATE 3.2	INCINERATOR, MUNICIPAL WASTE INCINERATION	PM
171072.5	Municipal Incinerator (East Chicago, IN)	SPECIATE 3.2	INCINERATOR, MUNICIPAL WASTE INCINERATION	PM
171082.5	Municipal Incinerator (Philadelphia)	SPECIATE 3.2	INCINERATOR, MUNICIPAL WASTE INCINERATION	PM
171092.5	Car Shredder	SPECIATE 3.2	CAR SHREDDER, INDUSTRIAL	PM
171202.5	Sewage Sludge Incineration - Composite	SPECIATE 3.2	INCINERATOR, SEWAGE SLUDGE INCINERATION	PM
171212.5	Sewage Sludge Incineration	SPECIATE 3.2	INCINERATOR, SEWAGE SLUDGE INCINERATION	PM
171222.5	Sewage Sludge Incineration	SPECIATE 3.2	INCINERATOR, SEWAGE SLUDGE INCINERATION	PM
171232.5	Sewage Sludge Incineration	SPECIATE 3.2	INCINERATOR, SEWAGE SLUDGE INCINERATION	PM
171242.5	Sewage Sludge Incineration	SPECIATE 3.2	INCINERATOR, SEWAGE SLUDGE INCINERATION	PM
180002.5	Cigarette Smoke	SPECIATE 3.2	CIGARETTE SMOKE	PM
191012.5	Scrap Copper Incinerator	SPECIATE 3.2	COPPER, INCINERATOR, SCRAP COPPER INCINERATION, INDUSTRIAL	PM
201012.5	Aluminum Foundry-Reverberatory Furnace	SPECIATE 3.2	ALUMINUM FOUNDRY, FOUNDRY, ALUMINUM, REVERBERATORY FURNACE, FURNACE, INDUSTRIAL	PM
201022.5	Secondary Aluminum Plant - Dross Recovery Furnace	SPECIATE 3.2	ALUMINUM, FURNACE, DROSS RECOVERY FURNACE, SECONDARY ALUMINUM, INDUSTRIAL	PM
201032.5	Secondary Aluminum - Dross Recovery Furnace	SPECIATE 3.2	ALUMINUM, FURNACE, DROSS RECOVERY FURNACE, SECONDARY ALUMINUM, INDUSTRIAL	PM
204012.5	Secondary Lead Smelter - Blast Furnace	SPECIATE 3.2	BLAST FURNACE, FURNACE, LEAD, SECONDARY LEAD, SMELTER, SECONDARY LEAD SMELTER, INDUSTRIAL	PM
204022.5	Secondary Lead - Sanitary Baghouse	SPECIATE 3.2	LEAD, SECONDARY LEAD, INDUSTRIAL	PM
204032.5	Secondary Lead - Reverberatory Furnace	SPECIATE 3.2	LEAD, SECONDARY LEAD, INDUSTRIAL, FURNACE, REVERBERATORY FURNACE	PM
204042.5	Secondary Lead - Melting Pot Fugitives	SPECIATE 3.2	LEAD, SECONDARY LEAD, MELTING POT, INDUSTRIAL	PM
204052.5	Secondary Lead - Melting Pot Stack	SPECIATE 3.2	LEAD, SECONDARY LEAD, MELTING POT, INDUSTRIAL	PM
204062.5	Secondary Lead - Yard Dust	SPECIATE 3.2	LEAD, SECONDARY LEAD, YARD DUST, INDUSTRIAL	PM
205012.5	Zinc Oxide Kiln	SPECIATE 3.2	KILN, ZINC OXIDE, INDUSTRIAL	PM
205022.5	Antimony Oxide Plant - Antimony Roasting	SPECIATE 3.2	ANTIMONY OXIDE, ANTIMONY ROASTING, INDUSTRIAL	PM
205032.5	Antimony Oxide Plant - Antimony Roasting	SPECIATE 3.2	ANTIMONY OXIDE, ANTIMONY ROASTING, INDUSTRIAL	PM
211012.5	Limestone Dust	SPECIATE 3.2	LIMESTONE	PM
211022.5	Primary Lead Smelting - Ore Concentrate	SPECIATE 3.2	LEAD ORE CONCENTRATE, LEAD, PRIMARY LEAD, PRIMARY LEAD SMELTING, SMELTER, INDUSTRIAL	PM
211032.5	Primary Lead Smelting - Ore Concentrate Composite	SPECIATE 3.2	LEAD ORE CONCENTRATE, LEAD, PRIMARY LEAD, PRIMARY LEAD SMELTING, SMELTER, INDUSTRIAL	PM
211502.5	Primary Lead Smelting Materials Handling - Composite	SPECIATE 3.2	LEAD ORE CONCENTRATE, LEAD, PRIMARY LEAD, PRIMARY LEAD SMELTING, INDUSTRIAL	PM
212032.5	Coke Dust	SPECIATE 3.2	COKE, COKE DUST, INDUSTRIAL	PM
212042.5	Coal Dust	SPECIATE 3.2	COAL DUST, INDUSTRIAL	PM
212052.5	Primary Lead Smelting - Speiss Fugitive Dust	SPECIATE 3.2	SMELTER, PRIMARY LEAD, PRIMARY LEAD SMELTING, INDUSTRIAL	PM
212062.5	Primary Lead Smelting - Soda Flux Fugitive Dust	SPECIATE 3.2	PRIMARY LEAD, LEAD, SODA FLUX, PRIMARY LEAD SMELTING, SMELTER, INDUSTRIAL	PM
213012.5	Copper Ore Crushing	SPECIATE 3.2	COPPER, COPPER ORE CRUSHING, COPPER ORE, INDUSTRIAL	PM
213022.5	Copper Ore Mill Wastepile	SPECIATE 3.2	COPPER, COPPER ORE MILL, INDUSTRIAL	PM
213032.5	Copper Ore Concentrate	SPECIATE 3.2	COPPER, COPPER ORE, INDUSTRIAL	PM
213042.5	Copper Mining Waste	SPECIATE 3.2	COPPER, MINING, COPPER MINING, COPPER MINING WASTE, INDUSTRIAL	PM
213202.5	Copper Ore - Composite	SPECIATE 3.2	COPPER, COPPER ORE, INDUSTRIAL	PM
213402.5	Composite Of Copper Ore Concentrate And Mining Waste	SPECIATE 3.2	COPPER, MINING, COPPER MINING, COPPER MINING WASTE, INDUSTRIAL, COPPER ORE	PM
214012.5	Feed And Grain Handling Dust	SPECIATE 3.2	INDUSTRIAL, FEED, MINING	PM
215012.5	Primary Lead Smelting - Slag Dust	SPECIATE 3.2	LEAD, PRIMARY LEAD, SLAG DUST, SMELTER, PRIMARY LEAD SMELTING, INDUSTRIAL	PM
221012.5	Particle Board Dryer	SPECIATE 3.2	DRYER, PARTICLE BOARD, WOOD, PARTICLE BOARD DRYER, INDUSTRIAL	PM
221022.5	Particle Board Dryer	SPECIATE 3.2	DRYER, PARTICLE BOARD, WOOD, PARTICLE BOARD DRYER, INDUSTRIAL	PM
221032.5	Particleboard Dryer / Direct - Fired	SPECIATE 3.2	DRYER, WOOD COMBUSTION, PARTICLE BOARD DRYER, INDUSTRIAL	PM
222012.5	Wood Products - Sander dust	SPECIATE 3.2	WOOD, SANDERDUST, INDUSTRIAL	PM
222022.5	Sawdust	SPECIATE 3.2	SAWDUST, WOOD, INDUSTRIAL	PM
222032.5	Wood Sander Dust	SPECIATE 3.2	SANDER, WOOD, INDUSTRIAL	PM

Profile Number	Name	Data Origin	Keyword	Profile Type
223012.5	Veneer Dryer	SPECIATE 3.2	DRYER, VENEER DRYER, INDUSTRIAL	PM
223022.5	Veneer Dryer / Steam - Heated	SPECIATE 3.2	DRYER, VENEER DRYER, INDUSTRIAL	PM
223032.5	Veneer Dryer / Wood - Fired	SPECIATE 3.2	DRYER, VENEER DRYER, INDUSTRIAL, WOOD COMBUSTION, SANDER	PM
231032.5	Kraft Recovery Furnace	SPECIATE 3.2	FURNACE, KRAFT RECOVERY FURNACE, INDUSTRIAL	PM
231042.5	Kraft Recovery Furnace	SPECIATE 3.2	FURNACE, KRAFT RECOVERY FURNACE, INDUSTRIAL	PM
232022.5	Lime Kiln	SPECIATE 3.2	KILN, LIME, LIME KILN, INDUSTRIAL	PM
241012.5	Sulfite Recovery Boiler	SPECIATE 3.2	BOILER, SULFITE, SULFITE RECOVERY BOILER, INDUSTRIAL	PM
252012.5	Calcium Carbide Furnace	SPECIATE 3.2	CALCIUM CARBIDE, CALCIUM CARBIDE FURNACE, FURNACE, INDUSTRIAL	PM
253022.5	Charcoal Manufacturing	SPECIATE 3.2	CHARCOAL, CHARCOAL MANUFACTURING, INDUSTRIAL	PM
254012.5	Silica Manufacturing	SPECIATE 3.2	SILICA, SILICA MANUFACTURING, INDUSTRIAL	PM
254022.5	Asphalt Roofing Manufacturing	SPECIATE 3.2	ASPHALT, ASPHALT ROOFING, ASPHALT ROOFING MANUFACTURING, INDUTRIAL	PM
254032.5	Paint Spray Booth	SPECIATE 3.2	PAINT, SPRAY BOOTH, SURFACE COATING, INDUSTRIAL	PM
254042.5	Urea Fertilizer Production	SPECIATE 3.2	FERTILIZER, FERTILIZER PRODUCTION, UREA, UREA FERTILIZER PRODUCTION, UREA FERTILIZER, INDUSTRIAL	PM
254052.5	Boric Acid Manufacturing	SPECIATE 3.2	BORIC ACID, BORIC ACID MANUFACTURING, INDUSTRIAL	PM
254062.5	Carborundum Manufacturing	SPECIATE 3.2	CARBORUNDUM, CARBORUNDUM MANUFACTURING, INDUSTRIAL	PM
254072.5	Phosphorous Plant Plume	SPECIATE 3.2	PHOSPHOROUS, PHOSPHOROUS MANUFACTURING, INDUSTRIAL	PM
254082.5	Fertilizer Production - Phosphate Rock Dust	SPECIATE 3.2	FERTILIZER PRODUCTION, FERTILIZER, PHOSPHATE, PHOSPHATE ROCK, INDUSTRIAL	PM
254092.5	Ammonium Nitrate - Prill Tower	SPECIATE 3.2	AMMONIUM NITRATE, PRILL TOWER, INDUSTRIAL	PM
254102.5	Ammonium Sulfate Production	SPECIATE 3.2	AMMONIUM SULFATE, AMMONIUM SULFATE PRODUCTION, INDUSTRIAL	PM
254112.5	Diammonium Phosphate Plant	SPECIATE 3.2	DIAMMONIUM PHOSPHATE, DIAMMONIUM PHOSPHATE PRODUCTION, INDUSTRIAL	PM
254122.5	Superphosphate Plant	SPECIATE 3.2	FERTILIZER, SUPERPHOSPHATE, SUPERPHOSPHATE PLANT, INDUSTRIAL	PM
254132.5	Superphosphate Granulation	SPECIATE 3.2	SUPERPHOSPHATE, INDUSTRIAL	PM
254142.5	Sodium Tripolyphosphate - Cyclone Dust	SPECIATE 3.2	SODIUM TRIPOLYPHOSPHATE, INDUSTRIAL	PM
254152.5	Npk Fertilizer	SPECIATE 3.2	FERTILIZER, NPK, NPK FERTILIZER, INDUSTRIAL	PM
254162.5	Phosphoric Acid Plant	SPECIATE 3.2	PHOSPHORIC ACID, PHOSPHORIC ACID PLANT, INDUSTRIAL	PM
254172.5	Monoammonium Phosphate Dryer	SPECIATE 3.2	DRYER, MONOAMMONIUM PHOSPHATE, MONOAMMONIUM PHOSPHATE DRYER, INDUSTRIAL	PM
254182.5	Phosphate Fertilizer Calciner	SPECIATE 3.2	PHOSPHATE FERTILIZER CALCINER, FERTILIZER, PHOSPHATE FERTILIZER, INDUSTRIAL	PM
254192.5	Triple Super Phosphate Stack	SPECIATE 3.2	PHOSPHATE, SUPERPHOSPHATE, TRIPLE, SUPERPHOSPHATE, INDUSTRIAL	PM
254202.5	Slag Loadout Fugitives - Elemental Phosphorus Plant	SPECIATE 3.2	SLAG, PHOSPHOROUS, ELEMENTAL PHOSPHOROUS, ELEMENTAL PHOSPHOROUS PLANT, INDUSTRIAL	PM
254212.5	Calciner - Elemental Phosphorus Plant	SPECIATE 3.2	INDUSTRIAL, ELEMENTAL PHOSPHOROUS, PHOSPHOROUS, ELEMENTAL PHOSPHOROUS PLANT, CALCINER	PM
254222.5	Furnace Tapping - Elemental Phosphorus Plant	SPECIATE 3.2	ELEMENTAL PHOSPHORUS, PHOSPHORUS, FURNACE, ELEMENTAL PHOSPHORUS PLANT, INDUSTRIAL	PM
255002.5	Tar Pot	SPECIATE 3.2	TAR POT, ROOFING, ASPHALT ROOFING, ASPHALT	PM
257012.5	Metal Fabrication - Galvanizing (ZnO)	SPECIATE 3.2	METAL FABRICATION, GALVANIZING, ZINC OXIDE, INDUSTRIAL	PM
257022.5	Metal Fabrication - Sandblasting	SPECIATE 3.2	METAL FABRICATION, SANDBLASTING, INDUSTRIAL	PM
257032.5	Metal Fabrication - Welding	SPECIATE 3.2	METAL FABRICATION, WELDING, INDUSTRIAL	PM
261012.5	Refinery Process Heaters (Gas)	SPECIATE 3.2	HEATERS, PROCESS HEATERS, REFINERY, NATURAL GAS COMBUSTION, INDUSTRIAL	PM
262022.5	Petroleum Refinery Catalytic Cracker	SPECIATE 3.2	CATALYTIC CRACKER, REFINERY, INDUSTRIAL	PM
262032.5	Petroleum Refinery Catalytic Cracker	SPECIATE 3.2	CATALYTIC CRACKER, REFINERY, INDUSTRIAL	PM
262042.5	Petroleum Refinery Catalytic Cracker	SPECIATE 3.2	CATALYTIC CRACKER, REFINERY, INDUSTRIAL	PM
262052.5	Petroleum Refinery Catalytic Cracker	SPECIATE 3.2	CATALYTIC CRACKER, REFINERY, INDUSTRIAL	PM
262062.5	Coke Calciner	SPECIATE 3.2	CALCINER, COKE, COKE CALCINER, INDUSTRIAL	PM
262072.5	Green Coke Dust	SPECIATE 3.2	COKE, GREEN COKE, INDUSTRIAL	PM
262082.5	Coke Cooler	SPECIATE 3.2	COKE, COKE COOLER, INDUSTRIAL	PM
262092.5	Catalytic Cracker Composite	SPECIATE 3.2	CATALYTIC CRACKER, INDUSTRIAL	PM
271022.5	Glass Furnace	SPECIATE 3.2	FURNACE, GLASS, GLASS FURNACE, INDUSTRIAL	PM
272012.5	Cement Kiln (Gas-Fired)	SPECIATE 3.2	CEMENT, NATURAL GAS COMBUSTION, KILN, CEMENT KILN, INDUSTRIAL	PM
272032.5	Cement Kiln (Coal-Fired)	SPECIATE 3.2	CEMENT, COAL COMBUSTION, KILN, CEMENT KILN, INDUSTRIAL	PM

Profile Number	Name	Data Origin	Keyword	Profile Type
272042.5	Portland Cement Dust	SPECIATE 3.2	CEMENT, PORTLAND CEMENT, INDUSTRIAL	PM
272052.5	Cement Ball Mill	SPECIATE 3.2	CEMENT BALL MILL, CEMENT, INDUSTRIAL	PM
275012.5	Gypsum Calciner	SPECIATE 3.2	CALCINER, GYPSUM, GYPSUM CALCINER, INDUSTRIAL	PM
275022.5	Gypsum Handling	SPECIATE 3.2	INDUSTRIAL, GYPSUM	PM
275032.5	Gypsum Kiln	SPECIATE 3.2	INDUSTRIAL, KILN, GYPSUM	PM
275042.5	Gypsum Pile Dust	SPECIATE 3.2	INDUSTRIAL, GYPSUM	PM
276012.5	Lime Handling	SPECIATE 3.2	LIME, INDUSTRIAL	PM
276022.5	Lime Kiln	SPECIATE 3.2	KILN, LIME, INDUSTRIAL	PM
282012.5	Cast Iron Induction Furnace	SPECIATE 3.2	CAST IRON, FURNACE, CAST IRON INDUCTION FURNACE, INDUCTION FURNACE, INDUSTRIAL	PM
282022.5	Cast Iron Cupola	SPECIATE 3.2	CAST IRON, CUPOLA, INDUSTRIAL	PM
283012.5	Steel Production - Steel Sinter Plant	SPECIATE 3.2	STEEL PRODUCTION, STEEL SINTER PLANT, STEEL, INDUSTRIAL	PM
283022.5	Steel Production - Open Hearth Furnace	SPECIATE 3.2	STEEL PRODUCTION, FURNACE, OPEN HEARTH FURNACE, STEEL, INDUSTRIAL	PM
283032.5	Steel Production - Basic Oxygen Furnace	SPECIATE 3.2	STEEL PRODUCTION, FURNACE, BASIC OXYGEN FURNACE, STEEL, INDUSTRIAL	PM
283042.5	Iron Ore Dust - Sinter	SPECIATE 3.2	IRON ORE, SINTER, INDUSTRIAL	PM
283052.5	Steel Electric Arc Furnace	SPECIATE 3.2	STEEL ELECTRIC ARC FURNACE, ELECTRIC ARC FURNACE, FURNACE, STEEL, INDUSTRIAL	PM
283062.5	Steel Desulfurization Baghouse Dust	SPECIATE 3.2	STEEL DESULFURIZATION, STEEL, INDUSTRIAL	PM
283072.5	Steel Production - Basic Oxygen Furnace	SPECIATE 3.2	STEEL PRODUCTION, FURNACE, BASIC OXYGEN FURNACE, STEEL, INDUSTRIAL	PM
284012.5	Ferromanganese Furnace	SPECIATE 3.2	FERROMANGANESE, FURNACE, FERROMANGANESE FURNACE, INDUSTRIAL	PM
286012.5	Steel Foundry - Steel Heat Treating (Salt Quench)	SPECIATE 3.2	SALT QUENCH, FOUNDRY, STEEL, STEEL FOUNDRY, STEEL HEAT TREATING, INDUSTRIAL	PM
291012.5	Aluminum Processing	SPECIATE 3.2	ALUMINUM, ALUMINUM PROCESSING, INDUSTRIAL	PM
291022.5	Aluminum Reduction Potline	SPECIATE 3.2	ALUMINUM, ALUMINUM REDUCTION POTLINE, INDUSTRIAL	PM
292012.5	Copper Oxide Kiln	SPECIATE 3.2	KILN, COPPER OXIDE, COPPER OXIDE KILN, INDUSTRIAL	PM
292022.5	Primary Copper Smelter	SPECIATE 3.2	COPPER, PRIMARY COPPER, SMELTER, PRIMARY COPPER SMELTER, INDUSTRIAL	PM
292032.5	Primary Copper Reverberatory Furnace - Slag Tap	SPECIATE 3.2	COPPER, FLASH FURNACE, FURNACE, PRIMARY COPPER, SLAG, REVERBERATORY FURNACE, INDUSTRIAL	PM
292042.5	Primary Copper Reverberatory Furnace - Slag Skim & Pour	SPECIATE 3.2	COPPER, FLASH FURNACE, FURNACE, PRIMARY COPPER, SLAG, PRIMARY COPPER REVERB FURNACE, INDUSTRIAL	PM
292052.5	Primary Copper Converter - Secondary Hood	SPECIATE 3.2	COPPER, PRIMARY COPPER CONVERTER, PRIMARY COPPER, INDUSTRIAL	PM
292062.5	Primary Copper Converter - Secondary Hood	SPECIATE 3.2	COPPER, PRIMARY COPPER CONVERTER, PRIMARY COPPER, INDUSTRIAL	PM
292072.5	Primary Copper Flash Furnace - Matte & Slag Tap	SPECIATE 3.2	COPPER, FLASH FURNACE, FURNACE, PRIMARY COPPER, SLAG, PRIMARY COPPER FLASH FURNACE, INDUSTRIAL	PM
292082.5	Primary Copper - Process Stack	SPECIATE 3.2	COPPER, PRIMARY COPPER, INDUSTRIAL	PM
292092.5	Primary Copper Roaster	SPECIATE 3.2	COPPER, PRIMARY COPPER, ROASTER, PRIMARY COPPER ROASTER, INDUSTRIAL	PM
292102.5	Primary Copper Reverberatory Furnace Fugitives Composite	SPECIATE 3.2	COPPER, FLASH FURNACE, FURNACE, PRIMARY COPPER, REVERBERATORY FURNACE, PRIMARY COPPER REVERB FURNACE, INDUSTRIAL	PM
292112.5	Primary Copper Converter - Secondary Hood Composite	SPECIATE 3.2	COPPER, PRIMARY COPPER CONVERTER, PRIMARY COPPER, CONVERTER, INDUSTRIAL	PM
293012.5	Primary Lead Smelting - Slag Pouring	SPECIATE 3.2	LEAD, PRIMARY LEAD, SLAG, SMELTER, PRIMARY LEAD SMELTING, INDUSTRIAL	PM
293022.5	Primary Lead Smelting - Blast Furnace	SPECIATE 3.2	BLAST FURNACE, FURNACE, LEAD, PRIMARY LEAD, SMELTER, PRIMARY LEAD SMELTING, INDUSTRIAL	PM
293032.5	Primary Lead Smelting - Zinc Fuming	SPECIATE 3.2	ZINC FUMING, LEAD, SMELTER, PRIMARY LEAD, PRIMARY LEAD SMELTING, INDUSTRIAL	PM
293042.5	Primary Lead Smelting - Sintering	SPECIATE 3.2	SINTERING, LEAD, PRIMARY LEAD, PRIMARY LEAD SMELTING, SMELTER, INDUSTRIAL	PM
293052.5	Primary Lead Smelting - Blast Furnace Upset	SPECIATE 3.2	BLAST FURNACE, FURNACE, LEAD, PRIMARY LEAD, SMELTER, PRIMARY LEAD SMELTING, INDUSTRIAL	PM
293062.5	Primary Lead Smelting-Zinc Baghouse	SPECIATE 3.2	ZINC, LEAD, PRIMARY LEAD, SMELTER, PRIMARY LEAD SMELTING, INDUSTRIAL	PM
293072.5	Primary Lead Smelting-Dross Reverberatory Furnace	SPECIATE 3.2	FURNACE, LEAD, PRIMARY LEAD, REVERBERATORY FURNACE, SMELTER, PRIMARY LEAD SMELTING, DROSS REVERBERATORY FURNACE, INDUSTRIAL	PM
293092.5	Primary Lead Smelting-Sinter Production	SPECIATE 3.2	SINTER, LEAD, PRIMARY LEAD, SMELTER, PRIMARY LEAD SMELTING, INDUSTRIAL	PM
293102.5	Primary Lead - Dross Building	SPECIATE 3.2	DROSS BUILDING, LEAD, PRIMARY LEAD, SMELTER, INDUSTRIAL	PM
293112.5	Primary Lead - Slag Pour	SPECIATE 3.2	SLAG, LEAD, PRIMARY LEAD, SMELTER, INDUSTRIAL	PM
293302.5	Primary Lead Smelting - Composite	SPECIATE 3.2	LEAD, PRIMARY LEAD, SMELTER, PRIMARY LEAD SMELTING, INDUSTRIAL	PM



Profile Number	Name	Data Origin	Keyword	Profile Type
295012.5	Secondary Copper Pyrometal - Cathode Charge	SPECIATE 3.2	CATHODE CHARGE, COPPER, SECONDARY PYROMETAL, INDUSTRIAL	PM
295022.5	Secondary Copper Pyrometal - Regular Charge	SPECIATE 3.2	SMELTER, COPPER, SECONDARY COPPER PYROMETAL, INDUSTRIAL, SECONDARY COPPER	PM
311012.5	Light Duty Vehicles - Leaded	SPECIATE 3.2	LIGHT DUTY VEHICLES, LEADED GASOLINE COMBUSTION, GASOLINE COMBUSTION, VEHICLES	PM
311022.5	Heavy Duty Vehicles - Leaded	SPECIATE 3.2	GASOLINE COMBUSTION, LEADED GASOLINE COMBUSTION, VEHICLES, HEAVY DUTY VEHICLES	PM
311032.5	Light Duty Vehicles - Leaded	SPECIATE 3.2	LIGHT DUTY VEHICLES, LEADED GASOLINE COMBUSTION, GASOLINE COMBUSTION, VEHICLES	PM
311042.5	Light Duty Vehicles - Leaded	SPECIATE 3.2	LIGHT DUTY VEHICLES, LEADED GASOLINE COMBUSTION, GASOLINE COMBUSTION, VEHICLES	PM
311052.5	Light Duty Vehicles - Leaded Composite	SPECIATE 3.2	LIGHT DUTY VEHICLES, LEADED GASOLINE COMBUSTION, GASOLINE COMBUSTION, VEHICLES	PM
311062.5	Light Duty Vehicle - Leaded	SPECIATE 3.2	GASOLINE COMBUSTION, LEADED/UNLEADED GASOLINE COMBUSTION, LIGHT DUTY VEHICLES, VEHICLES	PM
311072.5	Light Duty Vehicle - With Catalyst	SPECIATE 3.2	GASOLINE COMBUSTION, CATALYST VEHICLES, LIGHT DUTY VEHICLES, VEHICLES	PM
311082.5	Light Duty Vehicle - Non-Catalyst	SPECIATE 3.2	GASOLINE COMBUSTION, NON-CATALYST VEHICLES, LIGHT DUTY VEHICLES, VEHICLES	PM
312012.5	Light Duty Vehicles - Unleaded	SPECIATE 3.2	LIGHT DUTY VEHICLES, UNLEADED GASOLINE COMBUSTION, GASOLINE COMBUSTION, VEHICLES	PM
312022.5	Light Duty Vehicles - Unleaded	SPECIATE 3.2	LIGHT DUTY VEHICLES, UNLEADED GASOLINE COMBUSTION, GASOLINE COMBUSTION, VEHICLES	PM
312032.5	Light Duty Vehicles - Unleaded	SPECIATE 3.2	LIGHT DUTY VEHICLES, UNLEADED GASOLINE COMBUSTION, GASOLINE COMBUSTION, VEHICLES	PM
312302.5	Light Duty Vehicles - Composite	SPECIATE 3.2	LIGHT DUTY VEHICLES, VEHICLES	PM
321012.5	Light Duty Vehicles - Diesel	SPECIATE 3.2	DIESEL COMBUSTION, LIGHT DUTY VEHICLES, VEHICLES	PM
321022.5	Light Duty Vehicles - Diesel	SPECIATE 3.2	DIESEL COMBUSTION, LIGHT DUTY VEHICLES, VEHICLES	PM
321032.5	Light Duty Vehicles - Diesel	SPECIATE 3.2	DIESEL COMBUSTION, LIGHT DUTY VEHICLES, VEHICLES	PM
321042.5	Light Duty Vehicles - Diesel Composite	SPECIATE 3.2	DIESEL COMBUSTION, LIGHT DUTY VEHICLES, VEHICLES	PM
322022.5	Heavy Duty Diesel	SPECIATE 3.2	DIESEL COMBUSTION, VEHICLES, HEAVY DUTY VEHICLES	PM
322032.5	Heavy Duty Vehicles - Diesel	SPECIATE 3.2	DIESEL COMBUSTION, VEHICLES, HEAVY DUTY VEHICLES	PM
322042.5	Heavy Duty Vehicles - Diesel	SPECIATE 3.2	DIESEL COMBUSTION, VEHICLES, HEAVY DUTY VEHICLES	PM
322052.5	Diesel Vehicles - Las Vegas Valley (1987)	SPECIATE 3.2	DIESEL COMBUSTION, VEHICLES	PM
322062.5	Heavy Duty Vehicles - Diesel Composite	SPECIATE 3.2	DIESEL COMBUSTION, VEHICLES, HEAVY DUTY VEHICLES	PM
322072.5	Heavy Duty Vehicles - Diesel	SPECIATE 3.2	DIESEL COMBUSTION, VEHICLES, HEAVY DUTY VEHICLES	PM
322082.5	Heavy Duty Diesel Trucks	SPECIATE 3.2	DIESEL COMBUSTION, HEAVY DUTY VEHICLES	PM
330012.5	Leaded/unleaded Gasoline Composite - 1977	SPECIATE 3.2	GASOLINE COMBUSTION, LEADED/UNLEADED GASOLINE COMBUSTION, VEHICLES	PM
330022.5	Transportation Composite - Medford, OR (1980)	SPECIATE 3.2	TRANSPORTATION COMPOSITE, VEHICLES, GASOLINE COMBUSTION, DIESEL COMBUSTION, LEADED/UNLEADED COMBUSTION, TIRE WEAR, ROADWAY	PM
330032.5	Transportation Composite - Portland, OR (1979)	SPECIATE 3.2	TRANSPORTATION COMPOSITE, VEHICLES, GASOLINE COMBUSTION, LEADED/UNLEADED COMBUSTION,	PM
330042.5	Transportation Composite	SPECIATE 3.2	TRANSPORTATION COMPOSITE, TIRE WEAR, VEHICLES	PM
330052.5	Transportation Composite	SPECIATE 3.2	TRANSPORTATION COMPOSITE, VEHICLES	PM
330062.5	Transportation Composite	SPECIATE 3.2	TRANSPORTATION COMPOSITE, VEHICLES	PM
330072.5	Transportation Composite	SPECIATE 3.2	TRANSPORTATION COMPOSITE, VEHICLES	PM
330082.5	Transportation Composite	SPECIATE 3.2	TRANSPORTATION COMPOSITE, TIRE WEAR, VEHICLES, ASBESTOS BRAKES	PM
330092.5	Transportation Composite	SPECIATE 3.2	TRANSPORTATION COMPOSITE, VEHICLES	PM
330102.5	Gasoline Vehicles - Las Vegas Valley (1987)	SPECIATE 3.2	GASOLINE COMBUSTION, VEHICLES	PM
330112.5	Highway Vehicles - Composite	SPECIATE 3.2	VEHICLES	PM
330202.5	Transportation - Composite	SPECIATE 3.2	TRANSPORTATION COMPOSITE, VEHICLES	PM
340012.5	Jet Aircraft	SPECIATE 3.2	AIRCRAFT, JET AIRCRAFT	PM
340022.5	Tire Wear	SPECIATE 3.2	VEHICLES, TIRE WEAR	PM
340032.5	Tire Wear	SPECIATE 3.2	VEHICLES, TIRE WEAR	PM
340042.5	Brake Lining, Asbestos	SPECIATE 3.2	ASBESTOS BRAKES, BRAKE LINING, VEHICLES	PM
340052.5	Motor Oil	SPECIATE 3.2	MOTOR OIL, VEHICLES	PM
340062.5	Semimetal Disk Brake Pads	SPECIATE 3.2	BRAKE PADS, SEMIMETAL BRAKE PADS, VEHICLES	PM
340072.5	Organometallic Brake Dust	SPECIATE 3.2	BRAKE PADS, ORGANOMETALLIC BRAKE PADS, VEHICLES	PM
340082.5	Tire Wear	SPECIATE 3.2	VEHICLES, TIRE WEAR	PM
411012.5	Paved Road Dust Missoula, Montana	SPECIATE 3.2	ROADWAY, PAVED ROAD, VEHICLES	PM

Profile Number	Name	Data Origin	Keyword	Profile Type
411022.5	Paved Road Dust - Juneau, Alaska	SPECIATE 3.2	ROADWAY, PAVED ROAD, VEHICLES	PM
411032.5	Paved Road Dust - Lewiston, Idaho	SPECIATE 3.2	ROADWAY, PAVED ROAD, VEHICLES	PM
411042.5	Paved Road Dust - Butte, Montana	SPECIATE 3.2	ROADWAY, PAVED ROAD, VEHICLES	PM
411052.5	Paved Road Dust - East Helena, Montana	SPECIATE 3.2	ROADWAY, PAVED ROAD, VEHICLES	PM
411062.5	Paved Road Dust - Medford Or	SPECIATE 3.2	ROADWAY, PAVED ROAD, VEHICLES	PM
411072.5	Paved Road Dust - Portland, OR	SPECIATE 3.2	ROADWAY, PAVED ROAD, VEHICLES	PM
411092.5	Paved Road Dust - Alabama	SPECIATE 3.2	ROADWAY, PAVED ROAD, VEHICLES	PM
411102.5	Paved Road Dust - Spokane, WA	SPECIATE 3.2	ROADWAY, PAVED ROAD, VEHICLES	PM
411112.5	Paved Road Dust - Pasadena Freeway (CA)	SPECIATE 3.2	ROADWAY, PAVED ROAD, VEHICLES	PM
411122.5	Paved Road Dust - Artesia Freeway (CA)	SPECIATE 3.2	ROADWAY, PAVED ROAD, VEHICLES	PM
411132.5	Paved Road Dust - Long Beach Blvd. (CA)	SPECIATE 3.2	ROADWAY, PAVED ROAD, VEHICLES	PM
411142.5	Paved Road Dust - Long Beach, CA	SPECIATE 3.2	ROADWAY, PAVED ROAD, VEHICLES	PM
411152.5	Paved Road Dust - La Cienega Blvd. (CA)	SPECIATE 3.2	ROADWAY, PAVED ROAD, VEHICLES	PM
411162.5	Paved Road Dust - Hawthorne, CA	SPECIATE 3.2	ROADWAY, PAVED ROAD, VEHICLES	PM
411172.5	Paved Road Dust - Victory Blvd. (CA)	SPECIATE 3.2	ROADWAY, PAVED ROAD, VEHICLES	PM
411182.5	Paved Road Dust - Burbank, CA	SPECIATE 3.2	ROADWAY, PAVED ROAD, VEHICLES	PM
411192.5	Paved Road Dust - North Main St., Los Angeles, CA	SPECIATE 3.2	ROADWAY, PAVED ROAD, VEHICLES	PM
411202.5	Paved Road Dust - Los Angeles, CA	SPECIATE 3.2	ROADWAY, PAVED ROAD, VEHICLES	PM
411212.5	Paved Road Dust - South Harbor Blvd., Anaheim, CA	SPECIATE 3.2	ROADWAY, PAVED ROAD, VEHICLES	PM
411222.5	Paved Road Dust - Anaheim, CA	SPECIATE 3.2	ROADWAY, PAVED ROAD, VEHICLES	PM
411232.5	Paved Road Dust - Riverside, CA	SPECIATE 3.2	ROADWAY, PAVED ROAD, VEHICLES	PM
411242.5	Paved Road Dust - Sepulveda Tunnel, Los Angeles, CA	SPECIATE 3.2	ROADWAY, PAVED ROAD, VEHICLES	PM
411302.5	Paved Road Dust - Composite	SPECIATE 3.2	ROADWAY, PAVED ROAD, VEHICLES	PM
411312.5	Paved Road Dust - Freeway Composite	SPECIATE 3.2	ROADWAY, PAVED ROAD, VEHICLES	PM
411322.5	Paved Road Dust - Composite-Long Beach, CA	SPECIATE 3.2	ROADWAY, PAVED ROAD, VEHICLES	PM
411332.5	Paved Road Dust - Hawthorne Composite	SPECIATE 3.2	ROADWAY, PAVED ROAD, VEHICLES	PM
411342.5	Paved Road Dust - Burbank Composite	SPECIATE 3.2	ROADWAY, PAVED ROAD, VEHICLES	PM
411352.5	Paved Road Dust - Los Angeles Composite	SPECIATE 3.2	ROADWAY, PAVED ROAD, VEHICLES	PM
411362.5	Paved Road Dust - Anaheim Composite	SPECIATE 3.2	ROADWAY, PAVED ROAD, VEHICLES	PM
411372.5	Paved Road Dust - Scab Composite	SPECIATE 3.2	ROADWAY, PAVED ROAD, VEHICLES	PM
411382.5	Paved Road Dust - Pocatello, Idaho	SPECIATE 3.2	ROADWAY, PAVED ROAD, VEHICLES	PM
411392.5	Paved Road Dust - Pocatello, Idaho	SPECIATE 3.2	ROADWAY, PAVED ROAD, VEHICLES	PM
411402.5	Paved Road Dust - Pocatello, Idaho	SPECIATE 3.2	ROADWAY, PAVED ROAD, VEHICLES	PM
411412.5	Paved Road Dust - Pocatello, Idaho	SPECIATE 3.2	ROADWAY, PAVED ROAD, VEHICLES	PM
411422.5	Paved Road Dust - Pasadena CA	SPECIATE 3.2	ROADWAY, PAVED ROAD, VEHICLES	PM
412012.5	Unpaved Road Dust (Copper Mine)	SPECIATE 3.2	COPPER MINING, ROADWAY, UNPAVED ROAD, VEHICLES	PM
412032.5	Unpaved Road Dust - Haul Road	SPECIATE 3.2	ROADWAY, UNPAVED ROAD, VEHICLES	PM
412042.5	Unpaved Road Dust - East Helena, Montana	SPECIATE 3.2	Unpaved Road Dust	PM
412052.5	Unpaved Road Dust - Riverside, CA	SPECIATE 3.2	ROADWAY, UNPAVED ROAD, VEHICLES	PM
412062.5	Ore And Road Dust Fugitives - Pocatello, Idaho	SPECIATE 3.2	ROADWAY, ORE DUST, VEHICLES	PM
412072.5	Unpaved Road Dust - Pocatello, Idaho	SPECIATE 3.2	ROADWAY, UNPAVED ROAD, VEHICLES	PM
412202.5	Unpaved Road Dust - Composite	SPECIATE 3.2	ROADWAY, UNPAVED ROAD, VEHICLES	PM
413012.5	Soil Dust - Des Moines, IA	SPECIATE 3.2	SOIL DUST	PM
413022.5	Soil Dust - Seattle, WA	SPECIATE 3.2	SOIL DUST	PM
413032.5	Soil Dust - Visalia, CA	SPECIATE 3.2	SOIL DUST	PM
413042.5	Soil Dust - South Bend, Indiana	SPECIATE 3.2	SOIL DUST	PM
413052.5	Soil Dust - Houston, TX	SPECIATE 3.2	SOIL DUST	PM

Profile Number	Name	Data Origin	Keyword	Profile Type
413062.5	Soil Dust - East Helena, Montana	SPECIATE 3.2	SOIL DUST	PM
413072.5	Soil Dust - Idaho	SPECIATE 3.2	SOIL DUST	PM
413082.5	Soil Dust - Creston, Iowa	SPECIATE 3.2	SOIL DUST	PM
413092.5	Soil Dust - Council Bluffs, Iowa	SPECIATE 3.2	SOIL DUST	PM
413102.5	Soil Dust - Sioux City, Iowa	SPECIATE 3.2	SOIL DUST	PM
413112.5	Soil Dust - Cedar Rapids, Iowa	SPECIATE 3.2	SOIL DUST	PM
413122.5	Soil Dust - Davenport, Iowa	SPECIATE 3.2	SOIL DUST	PM
413132.5	Soil Dust - Spokane, WA	SPECIATE 3.2	SOIL DUST	PM
413142.5	Soil Dust - Boise, Idaho	SPECIATE 3.2	SOIL DUST	PM
413152.5	Soil Dust - Bakersfield, CA	SPECIATE 3.2	SOIL DUST	PM
413162.5	Soil Dust - Pasadena, CA	SPECIATE 3.2	SOIL DUST	PM
413182.5	Soil Dust - Medford, OR	SPECIATE 3.2	SOIL DUST	PM
413192.5	Soil Dust - Portland OR	SPECIATE 3.2	SOIL DUST	PM
413202.5	Soil Dust - Alabama	SPECIATE 3.2	SOIL DUST	PM
413212.5	Soil Dust - Laurel Md	SPECIATE 3.2	SOIL DUST	PM
413222.5	Soil Dust - Washington, D.C. Area	SPECIATE 3.2	SOIL DUST	PM
413232.5	Soil Dust - Riverside, CA	SPECIATE 3.2	SOIL DUST	PM
413242.5	Soil Dust - Hawthorne, CA	SPECIATE 3.2	SOIL DUST	PM
413252.5	Soil Dust - Medford, Oregon	SPECIATE 3.2	SOIL DUST	PM
413262.5	Soil Dust - Bend, Oregon	SPECIATE 3.2	SOIL DUST	PM
413272.5	Soil Dust - Klamath Falls, Oregon	SPECIATE 3.2	SOIL DUST	PM
413282.5	Soil Dust - Grant's Pass, Oregon	SPECIATE 3.2	SOIL DUST	PM
413292.5	Soil Dust - Eugene, Oregon	SPECIATE 3.2	SOIL DUST	PM
413302.5	Soil Dust - Lagrande, Oregon	SPECIATE 3.2	SOIL DUST	PM
413312.5	Soil Dust - Springfield, Oregon	SPECIATE 3.2	SOIL DUST	PM
413502.5	Soil Dust - Composite	SPECIATE 3.2	SOIL DUST	PM
413512.5	Soil Dust - Scab Composite	SPECIATE 3.2	SOIL DUST	PM
413522.5	Soil Dust - Pocatello, Idaho	SPECIATE 3.2	SOIL DUST	PM
413532.5	Soil Dust - Oregon Composite	SPECIATE 3.2	SOIL DUST	PM
414012.5	Road Sand And Salt Mixture	SPECIATE 3.2	ROADWAY, ROAD SAND, ROAD SALT, VEHICLES	PM
415002.5	Vegetative Detritus	SPECIATE 3.2	VEGITATIVE DETRITUS	PM
421012.5	Wood Stoves - Pine Fuel	SPECIATE 3.2	PINE COMBUSTION, WOOD COMBUSTION, WOOD STOVE	PM
421022.5	Wood Stoves - Average, All Fuels	SPECIATE 3.2	WOOD STOVE, WOOD COMBUSTION	PM
421032.5	Wood Stoves - Oak Fuel	SPECIATE 3.2	OAK COMBUSTION, WOOD COMBUSTION, WOOD STOVE	PM
421042.5	Residential Woodstove - Medford, Oregon	SPECIATE 3.2	WOOD COMBUSTION, WOOD STOVE	PM
421052.5	Residential Woodstove - Pocatello, Idaho	SPECIATE 3.2	WOOD COMBUSTION, WOOD STOVE	PM
421062.5	Residential Woodstove - Portland / Seattle	SPECIATE 3.2	WOOD COMBUSTION, WOOD STOVE	PM
421072.5	Natural Gas Home Appliances	SPECIATE 3.2	NATURAL GAS COMBUSTION, NATURAL GAS HOME APPLIANCE	PM
422012.5	Fireplaces - Softwoods	SPECIATE 3.2	FIREPLACES, SOFTWOOD COMBUSTION, WOOD COMBUSTION	PM
422022.5	Fireplaces - Hardwoods	SPECIATE 3.2	FIREPLACES, HARDWOOD COMBUSTION, WOOD COMBUSTION	PM
422032.5	Fireplaces - Softwoods	SPECIATE 3.2	FIREPLACES, SOFTWOOD COMBUSTION, WOOD COMBUSTION	PM
422042.5	Fireplaces - Hardwoods	SPECIATE 3.2	FIREPLACES, HARDWOOD COMBUSTION, WOOD COMBUSTION	PM
422052.5	Fireplaces - Synthetic Logs	SPECIATE 3.2	FIREPLACES, SYNTHETIC LOGS COMBUSTION, WOOD COMBUSTION	PM
423012.5	Slash Burning	SPECIATE 3.2	WOOD COMBUSTION, SLASH BURNING	PM
423022.5	Slash Burning	SPECIATE 3.2	WOOD COMBUSTION, SLASH BURNING	PM
423032.5	Residential Wood Combustion - Composite	SPECIATE 3.2	WOOD COMBUSTION, WOOD STOVE, FIREPLACES	PM
423042.5	Agricultural Field Burning	SPECIATE 3.2	FIELD BURNING	PM

Profile Number	Name	Data Origin	Keyword	Profile Type
423052.5	Slash Burning (Conifer-Flaming Phase)	SPECIATE 3.2	WOOD COMBUSTION, SLASH BURNING	PM
423062.5	Slash Burning (Conifer-Smoldering Phase)	SPECIATE 3.2	WOOD COMBUSTION, SLASH BURNING	PM
423072.5	Slash Burning (Hardwood-Flaming Phase)	SPECIATE 3.2	WOOD COMBUSTION, SLASH BURNING	PM
423082.5	Slash Burning (Hardwood-Smoldering Phase)	SPECIATE 3.2	WOOD COMBUSTION, SLASH BURNING	PM
423092.5	Slash Burning (Ponderosa Pine-Flaming Phase)	SPECIATE 3.2	WOOD COMBUSTION, SLASH BURNING	PM
423102.5	Slash Burning (Ponderosa Pine-Smoldering Phase)	SPECIATE 3.2	WOOD COMBUSTION, SLASH BURNING	PM
423112.5	Slash Burning (Tractor-Piled: Flaming Phase)	SPECIATE 3.2	WOOD COMBUSTION, SLASH BURNING	PM
423122.5	Slash Burning (Tractor-Piled: Smoldering Phase)	SPECIATE 3.2	WOOD COMBUSTION, SLASH BURNING	PM
423132.5	Slash Burning (Crane-Piled: Flaming Phase)	SPECIATE 3.2	WOOD COMBUSTION, SLASH BURNING	PM
423142.5	Slash Burning (Crane-Piled: Smoldering Phase)	SPECIATE 3.2	WOOD COMBUSTION, SLASH BURNING	PM
423152.5	Slash Burning (Chaparral: Flaming Phase)	SPECIATE 3.2	WOOD COMBUSTION, SLASH BURNING	PM
423162.5	Slash Burning (Chaparral: Smoldering Phase)	SPECIATE 3.2	WOOD COMBUSTION, SLASH BURNING	PM
423172.5	Wood Combustion - Las Vegas Valley (1987)	SPECIATE 3.2	WOOD COMBUSTION, WOOD STOVE, FIREPLACES	PM
423182.5	Residential Wood Combustion	SPECIATE 3.2	WOOD COMBUSTION, WOOD STOVE, FIREPLACES	PM
423192.5	Residential Wood Combustion Composite	SPECIATE 3.2	WOOD COMBUSTION, WOOD STOVE, FIREPLACES	PM
423202.5	Field Burning - Composite	SPECIATE 3.2	FIELD BURNING	PM
423212.5	Forest Prescribed Burning - Broadcast Conifer	SPECIATE 3.2	WOOD COMBUSTION, PRESCRIBED BURN	PM
423222.5	Field Burning - Annual Rye Grass	SPECIATE 3.2	FIELD BURNING	PM
423232.5	Field Burning - Perennial Rye Grass	SPECIATE 3.2	FIELD BURNING	PM
423242.5	Field Burning - Fescue	SPECIATE 3.2	FIELD BURNING	PM
423302.5	Composite of Residential Wood Burning Sources	SPECIATE 3.2	WOOD COMBUSTION, WOOD STOVE, FIREPLACES	PM
423312.5	Residential Woodstove Composite	SPECIATE 3.2	WOOD COMBUSTION, WOOD STOVE	PM
431012.5	Marine Aerosol	SPECIATE 3.2	MARINE AEROSOL	PM
432012.5	Residential Space Heating - Coal	SPECIATE 3.2	COAL COMBUSTION, SPACE HEATING	PM
433012.5	Volcanic Ash	SPECIATE 3.2	VOLCANIC ASH	PM
433022.5	Orchard Heating - Smudge Pots	SPECIATE 3.2	ORCHARD HEATING, SMUDGE POTS	PM
433032.5	Coal-Fired Power Utility Fly Ash (Srm 1633)	SPECIATE 3.2	COAL COMBUSTION, UTILITY, POWER PLANT, ELECTRIC GENERATION, FLY ASH	PM
433042.5	Limestone, Crustal	SPECIATE 3.2	CRUSTAL, LIMESTONE, CRUSTAL	PM
433052.5	Shale, Crustal	SPECIATE 3.2	CRUSTAL, SHALE, CRUSTAL	PM
433062.5	Sandstone, Crustal	SPECIATE 3.2	CRUSTAL, SANDSTONE, CRUSTAL	PM
433072.5	Sediment, Crustal	SPECIATE 3.2	CRUSTAL, SEDIMENT, CRUSTAL	PM
433082.5	Igneous Rock	SPECIATE 3.2	IGNEOUS ROCK	PM
433092.5	Earth's Crust	SPECIATE 3.2	CRUSTAL	PM
441012.5	Excavation - El Segundo, CA	SPECIATE 3.2	EXCAVATION, SOIL DUST	PM
441022.5	Excavation - Haul Road	SPECIATE 3.2	EXCAVATION, SOIL DUST	PM
441032.5	Excavation - Rock Crushing	SPECIATE 3.2	ROCK CRUSHING, SOIL DUST, EXCAVATION	PM
441042.5	Soil Dust - Sandblasting & Plastering	SPECIATE 3.2	PLASTERING, SANDBLASTING, SOIL DUST	PM
900012.5	Solid Waste - Average	SPECIATE 3.2	SOLID WASTE	PM
900022.5	Chemical Manufacturing - Average	SPECIATE 3.2	INDUSTRIAL, CHEMICAL MANUFACTURING	PM
900032.5	Food And Agriculture - Average	SPECIATE 3.2	FOOD AND AGRICULTURE, INDUSTRIAL	PM
900042.5	Steel Production - Average	SPECIATE 3.2	STEEL, STEEL PRODUCTION, INDUSTRIAL	PM
900052.5	Lead Smelters - Average	SPECIATE 3.2	LEAD, SMELTER, LEAD SMELTER, INDUSTRIAL	PM
900062.5	Metal Mining - General Processes - Average	SPECIATE 3.2	METAL, MINING, METAL MINING	PM
900072.5	Primary Metal Production - Average	SPECIATE 3.2	METAL, PRIMARY METAL, PRIMARY METAL PRODUCTION, INDUSTRIAL	PM
900082.5	Secondary Metal Production - Average	SPECIATE 3.2	METAL, SECONDARY METAL, SECONDARY METAL PRODUCTION, INDUSTRIAL	PM
900092.5	Secondary Aluminum - Average	SPECIATE 3.2	ALUMINUM, SECONDARY ALUMINUM, INDUSTRIAL	PM
900102.5	Gray Iron Foundries - Average	SPECIATE 3.2	GRAY IRON, FOUNDRY, GRAY IRON FOUNDRY, INDUSTRIAL	PM

Profile Number	Name	Data Origin	Keyword	Profile Type
900112.5	Steel Foundry - General	SPECIATE 3.2	FOUNDRY, STEEL, STEEL FOUNDRY, INDUSTRIAL	PM
900122.5	Clay And Fly Ash Sintering - Average	SPECIATE 3.2	CLAY AND FLY ASH SINTERING, CLAY, FLY ASH, SINTERING, INDUSTRIAL	PM
900132.5	Mineral Products - Average	SPECIATE 3.2	MINERAL PRODUCTS, INDUSTRIAL	PM
900142.5	Petroleum Industry - Average	SPECIATE 3.2	PETROLEUM INDUSTRY, INDUSTRIAL	PM
900152.5	Pulp And Paper Industry	SPECIATE 3.2	PULP AND PAPER INDUSTRY, PULP AND PAPER, INDUSTRIAL	PM
900162.5	Industrial Manufacturing - Average	SPECIATE 3.2	INDUSTRIAL	PM
1120110	Coal-Fired Power Plant	SPECIATE 3.2	COAL COMBUSTION, UTILITY, POWER PLANT, ELECTRIC GENERATION	PM
1120130	Coal-Fired Power Plant	SPECIATE 3.2	COAL COMBUSTION, UTILITY, POWER PLANT, ELECTRIC GENERATION	PM
1120210	Coal-Fired Power Plant	SPECIATE 3.2	COAL COMBUSTION, UTILITY, POWER PLANT, ELECTRIC GENERATION	PM
1120230	Coal-Fired Power Plant	SPECIATE 3.2	COAL COMBUSTION, UTILITY, POWER PLANT, ELECTRIC GENERATION	PM
1120310	Coal-Fired Power Plant	SPECIATE 3.2	COAL COMBUSTION, UTILITY, POWER PLANT, ELECTRIC GENERATION	PM
1120330	Coal-Fired Power Plant	SPECIATE 3.2	COAL COMBUSTION, UTILITY, POWER PLANT, ELECTRIC GENERATION	PM
1120410	Coal-Fired Power Plant	SPECIATE 3.2	COAL COMBUSTION, UTILITY, POWER PLANT, ELECTRIC GENERATION	PM
1120430	Coal-Fired Power Plant	SPECIATE 3.2	COAL COMBUSTION, UTILITY, POWER PLANT, ELECTRIC GENERATION	PM
1120510	Coal-Fired Power Plant	SPECIATE 3.2	COAL COMBUSTION, UTILITY, POWER PLANT, ELECTRIC GENERATION	PM
1120530	Coal-Fired Power Plant	SPECIATE 3.2	COAL COMBUSTION, UTILITY, POWER PLANT, ELECTRIC GENERATION	PM
1120610	Coal-Fired Power Plant	SPECIATE 3.2	COAL COMBUSTION, UTILITY, POWER PLANT, ELECTRIC GENERATION	PM
1120630	Coal-Fired Power Plant	SPECIATE 3.2	COAL COMBUSTION, UTILITY, POWER PLANT, ELECTRIC GENERATION	PM
1120710	Coal-Fired Power Plant	SPECIATE 3.2	COAL COMBUSTION, UTILITY, POWER PLANT, ELECTRIC GENERATION	PM
1120730	Coal-Fired Power Plant	SPECIATE 3.2	COAL COMBUSTION, UTILITY, POWER PLANT, ELECTRIC GENERATION	PM
1120810	Coal-Fired Power Plant	SPECIATE 3.2	COAL COMBUSTION, UTILITY, POWER PLANT, ELECTRIC GENERATION	PM
1120830	Coal-Fired Power Plant	SPECIATE 3.2	COAL COMBUSTION, UTILITY, POWER PLANT, ELECTRIC GENERATION	PM
1120910	Coal-Fired Power Plant	SPECIATE 3.2	COAL COMBUSTION, UTILITY, POWER PLANT, ELECTRIC GENERATION	PM
1120930	Coal-Fired Power Plant	SPECIATE 3.2	COAL COMBUSTION, UTILITY, POWER PLANT, ELECTRIC GENERATION	PM
1121010	Coal-Fired Power Plant	SPECIATE 3.2	COAL COMBUSTION, UTILITY, POWER PLANT, ELECTRIC GENERATION	PM
1121030	Coal-Fired Power Plant	SPECIATE 3.2	COAL COMBUSTION, UTILITY, POWER PLANT, ELECTRIC GENERATION	PM
1121110	Coal-Fired Power Plant	SPECIATE 3.2	COAL COMBUSTION, UTILITY, POWER PLANT, ELECTRIC GENERATION	PM
1121130	Coal-Fired Power Plant	SPECIATE 3.2	COAL COMBUSTION, UTILITY, POWER PLANT, ELECTRIC GENERATION	PM
1121210	Coal-Fired Power Plant	SPECIATE 3.2	COAL COMBUSTION, UTILITY, POWER PLANT, ELECTRIC GENERATION	PM
1121230	Coal-Fired Power Plant	SPECIATE 3.2	COAL COMBUSTION, UTILITY, POWER PLANT, ELECTRIC GENERATION	PM
1121310	External Combustion - Coal-Fired Composite	SPECIATE 3.2	COAL COMBUSTION	PM
1121330	External Combustion - Coal-Fired Composite	SPECIATE 3.2	COAL COMBUSTION	PM
1121410	Uncontrolled Coal-Fired Power Plant Composite	SPECIATE 3.2	COAL COMBUSTION, UTILITY, POWER PLANT, ELECTRIC GENERATION	PM
1121430	Uncontrolled Coal-Fired Power Plant Composite	SPECIATE 3.2	COAL COMBUSTION, UTILITY, POWER PLANT, ELECTRIC GENERATION	PM
1121510	Coal-Fired Power Plant/esp Composite	SPECIATE 3.2	COAL COMBUSTION, UTILITY, POWER PLANT, ELECTRIC GENERATION	PM
1121530	Coal-Fired Power Plant/esp Composite	SPECIATE 3.2	COAL COMBUSTION, UTILITY, POWER PLANT, ELECTRIC GENERATION	PM
1130110	Coal- And Refuse Derived Fuel (RDF)-Fired Power Plant	SPECIATE 3.2	COAL COMBUSTION, UTILITY, POWER PLANT, ELECTRIC GENERATION, RDF COMBUSTION	PM
1130130	Coal- And Refuse Derived Fuel (RDF)-Fired Power Plant	SPECIATE 3.2	COAL COMBUSTION, UTILITY, POWER PLANT, ELECTRIC GENERATION, RDF COMBUSTION	PM
1150110	Oil-Fired Power Plant	SPECIATE 3.2	OIL COMBUSTION, UTILITY, POWER PLANT, ELECTRIC GENERATION	PM
1150130	Oil-Fired Power Plant	SPECIATE 3.2	OIL COMBUSTION, UTILITY, POWER PLANT, ELECTRIC GENERATION	PM
1150210	Oil-Fired Power Plant	SPECIATE 3.2	OIL COMBUSTION, UTILITY, POWER PLANT, ELECTRIC GENERATION	PM
1150230	Oil-Fired Power Plant	SPECIATE 3.2	OIL COMBUSTION, UTILITY, POWER PLANT, ELECTRIC GENERATION	PM
1150310	Oil-Fired Power Plant	SPECIATE 3.2	OIL COMBUSTION, UTILITY, POWER PLANT, ELECTRIC GENERATION	PM
1150330	Oil-Fired Power Plant	SPECIATE 3.2	OIL COMBUSTION, UTILITY, POWER PLANT, ELECTRIC GENERATION	PM
1150410	Oil-Fired Power Plant	SPECIATE 3.2	OIL COMBUSTION, UTILITY, POWER PLANT, ELECTRIC GENERATION	PM
1150430	Oil-Fired Power Plant	SPECIATE 3.2	OIL COMBUSTION, UTILITY, POWER PLANT, ELECTRIC GENERATION	PM
1150510	Oil-Fired Power Plant	SPECIATE 3.2	OIL COMBUSTION, UTILITY, POWER PLANT, ELECTRIC GENERATION	PM

Profile Number	Name	Data Origin	Keyword	Profile Type
1150530	Oil-Fired Power Plant	SPECIATE 3.2	OIL COMBUSTION, UTILITY, POWER PLANT, ELECTRIC GENERATION	PM
1150610	Oil-Fired Power Plant	SPECIATE 3.2	OIL COMBUSTION, UTILITY, POWER PLANT, ELECTRIC GENERATION	PM
1150630	Oil-Fired Power Plant	SPECIATE 3.2	OIL COMBUSTION, UTILITY, POWER PLANT, ELECTRIC GENERATION	PM
1150710	Oil-Fired Power Plant	SPECIATE 3.2	OIL COMBUSTION, UTILITY, POWER PLANT, ELECTRIC GENERATION	PM
1150730	Oil-Fired Power Plant	SPECIATE 3.2	OIL COMBUSTION, UTILITY, POWER PLANT, ELECTRIC GENERATION	PM
1150810	Oil-Fired Power Plant	SPECIATE 3.2	OIL COMBUSTION, UTILITY, POWER PLANT, ELECTRIC GENERATION	PM
1150830	Oil-Fired Power Plant	SPECIATE 3.2	OIL COMBUSTION, UTILITY, POWER PLANT, ELECTRIC GENERATION	PM
1150910	Oil-Fired Power Plant	SPECIATE 3.2	OIL COMBUSTION, UTILITY, POWER PLANT, ELECTRIC GENERATION	PM
1150930	Oil-Fired Power Plant	SPECIATE 3.2	OIL COMBUSTION, UTILITY, POWER PLANT, ELECTRIC GENERATION	PM
1151010	Oil-Fired Power Plant Composite	SPECIATE 3.2	OIL COMBUSTION, UTILITY, POWER PLANT, ELECTRIC GENERATION	PM
1151030	Oil-Fired Power Plant Composite	SPECIATE 3.2	OIL COMBUSTION, UTILITY, POWER PLANT, ELECTRIC GENERATION	PM
1180110	Wood-Fired Boiler	SPECIATE 3.2	BOILER, WOOD COMBUSTION	PM
1180130	Wood-Fired Boiler	SPECIATE 3.2	BOILER, WOOD COMBUSTION	PM
1220110	External Combustion Boiler - Coal-Slurry Fired	SPECIATE 3.2	BOILER, COAL-SLURRY COMBUSTION	PM
1220130	External Combustion Boiler - Coal-Slurry Fired	SPECIATE 3.2	BOILER, COAL-SLURRY COMBUSTION	PM
1230110	External Combustion - Kerosene-Fired Boiler Composite	SPECIATE 3.2	BOILER, KEROSENE COMBUSTION	PM
1230130	External Combustion - Kerosene-Fired Boiler Composite	SPECIATE 3.2	BOILER, KEROSENE COMBUSTION	PM
1270410	Wood-Fired Boiler	SPECIATE 3.2	BOILER, WOOD COMBUSTION	PM
1270430	Wood-Fired Boiler	SPECIATE 3.2	BOILER, WOOD COMBUSTION	PM
1270510	External Combustion - Wood-Fired Boiler Composite	SPECIATE 3.2	BOILER, WOOD COMBUSTION	PM
1270530	External Combustion - Wood-Fired Boiler Composite	SPECIATE 3.2	BOILER, WOOD COMBUSTION	PM
1270610	Hogged Fuel Boiler / Plywood Manufacturing	SPECIATE 3.2	BOILER, HOGGED FUEL COMBUSTION, PLYWOOD MANUFACTURING, INDUSTRIAL	PM
1270630	Hogged Fuel Boiler / Plywood Manufacturing	SPECIATE 3.2	BOILER, HOGGED FUEL COMBUSTION, PLYWOOD MANUFACTURING, INDUSTRIAL	PM
1270710	Hogged Fuel Boiler / Dutch Oven	SPECIATE 3.2	BOILER, HOGGED FUEL COMBUSTION, DUTCH OVEN, INDUSTRIAL	PM
1270730	Hogged Fuel Boiler / Dutch Oven	SPECIATE 3.2	BOILER, HOGGED FUEL COMBUSTION, DUTCH OVEN, INDUSTRIAL	PM
1270810	Hogged Fuel Boiler / Plywood Manufacturing	SPECIATE 3.2	BOILER, HOGGED FUEL COMBUSTION, PLYWOOD MANUFACTURING, INDUSTRIAL	PM
1270830	Hogged Fuel Boiler / Plywood Manufacturing	SPECIATE 3.2	BOILER, HOGGED FUEL COMBUSTION, PLYWOOD MANUFACTURING, INDUSTRIAL	PM
1270910	Hogged Fuel Boiler / Stoker Boiler	SPECIATE 3.2	BOILER, HOGGED FUEL COMBUSTION, STOKER BOILER, INDUSTRIAL	PM
1270930	Hogged Fuel Boiler / Stoker Boiler	SPECIATE 3.2	BOILER, HOGGED FUEL COMBUSTION, STOKER BOILER, INDUSTRIAL	PM
1271010	Boiler - #2 Fuel Oil Fired	SPECIATE 3.2	BOILER, FUEL OIL COMBUSTION	PM
1271030	Boiler - #2 Fuel Oil Fired	SPECIATE 3.2	BOILER, FUEL OIL COMBUSTION	PM
1350110	Residual Oil Combustion	SPECIATE 3.2	BOILER, RESIDUAL OIL COMBUSTION	PM
1350130	Residual Oil Combustion	SPECIATE 3.2	BOILER, RESIDUAL OIL COMBUSTION	PM
1350210	External Combustion - Heavy Oil-Fired Boiler Composite	SPECIATE 3.2	BOILER, HEAVY OIL COMBUSTION	PM
1350230	External Combustion - Heavy Oil-Fired Boiler Composite	SPECIATE 3.2	BOILER, HEAVY OIL COMBUSTION	PM
1350310	External Combustion - Indonesian Oil-Fired Boiler Composite	SPECIATE 3.2	BOILER, OIL COMBUSTION	PM
1350330	External Combustion - Indonesian Oil-Fired Boiler Composite	SPECIATE 3.2	BOILER, OIL COMBUSTION	PM
1350410	Oil-Fired Boiler	SPECIATE 3.2	BOILER, OIL COMBUSTION	PM
1350430	Oil-Fired Boiler	SPECIATE 3.2	BOILER, OIL COMBUSTION	PM
1350510	Residual Oil-Fired Boiler / Petroleum Refinery	SPECIATE 3.2	BOILER, RESIDUAL OIL COMBUSTION, REFINERY, INDUSTRIAL	PM
1350530	Residual Oil-Fired Boiler / Petroleum Refinery	SPECIATE 3.2	BOILER, RESIDUAL OIL COMBUSTION, REFINERY, INDUSTRIAL	PM
1410110	External Combustion - Waste Oil-Fired Boiler	SPECIATE 3.2	BOILER, WASTE OIL COMBUSTION	PM
1410130	External Combustion - Waste Oil-Fired Boiler	SPECIATE 3.2	BOILER, WASTE OIL COMBUSTION	PM
1410210	External Combustion - Liquid Waste-Fired Boiler	SPECIATE 3.2	BOILER, LIQUID WASTE COMBUSTION	PM
1410230	External Combustion - Liquid Waste-Fired Boiler	SPECIATE 3.2	BOILER, LIQUID WASTE COMBUSTION	PM
1510110	External Combustion - Solid Waste-Fired Boiler	SPECIATE 3.2	BOILER, SOLID WASTE COMBUSTION	PM
1510130	External Combustion - Solid Waste-Fired Boiler	SPECIATE 3.2	BOILER, SOLID WASTE COMBUSTION	PM

Profile Number	Name	Data Origin	Keyword	Profile Type
1600010	Meat Cooking - Charbroiling	SPECIATE 3.2	MEAT COOKING, CHARBROILING	PM
1600030	Meat Cooking - Charbroiling	SPECIATE 3.2	MEAT COOKING, CHARBROILING	PM
1600110	Meat Cooking - Frying	SPECIATE 3.2	MEAT COOKING, FRYING	PM
1600130	Meat Cooking - Frying	SPECIATE 3.2	MEAT COOKING, FRYING	PM
1710510	Municipal Incinerator (Philadelphia)	SPECIATE 3.2	INCINERATOR, MUNICIPAL WASTE INCINERATION	PM
1710530	Municipal Incinerator (Philadelphia)	SPECIATE 3.2	INCINERATOR, MUNICIPAL WASTE INCINERATION	PM
1710610	Municipal Incinerator Composite	SPECIATE 3.2	INCINERATOR, MUNICIPAL WASTE INCINERATION	PM
1710630	Municipal Incinerator Composite	SPECIATE 3.2	INCINERATOR, MUNICIPAL WASTE INCINERATION	PM
1710710	Municipal Incinerator (East Chicago, IN)	SPECIATE 3.2	INCINERATOR, MUNICIPAL WASTE INCINERATION	PM
1710730	Municipal Incinerator (East Chicago, IN)	SPECIATE 3.2	INCINERATOR, MUNICIPAL WASTE INCINERATION	PM
1710810	Municipal Incinerator (Philadelphia)	SPECIATE 3.2	INCINERATOR, MUNICIPAL WASTE INCINERATION	PM
1710830	Municipal Incinerator (Philadelphia)	SPECIATE 3.2	INCINERATOR, MUNICIPAL WASTE INCINERATION	PM
1710910	Car Shredder	SPECIATE 3.2	CAR SHREDDER, INDUSTRIAL	PM
1710930	Car Shredder	SPECIATE 3.2	CAR SHREDDER, INDUSTRIAL	PM
1712010	Sewage Sludge Incineration - Composite	SPECIATE 3.2	INCINERATOR, SEWAGE SLUDGE INCINERATION	PM
1712030	Sewage Sludge Incineration - Composite	SPECIATE 3.2	INCINERATOR, SEWAGE SLUDGE INCINERATION	PM
1712110	Sewage Sludge Incineration	SPECIATE 3.2	INCINERATOR, SEWAGE SLUDGE INCINERATION	PM
1712130	Sewage Sludge Incineration	SPECIATE 3.2	INCINERATOR, SEWAGE SLUDGE INCINERATION	PM
1712210	Sewage Sludge Incineration	SPECIATE 3.2	INCINERATOR, SEWAGE SLUDGE INCINERATION	PM
1712230	Sewage Sludge Incineration	SPECIATE 3.2	INCINERATOR, SEWAGE SLUDGE INCINERATION	PM
1712310	Sewage Sludge Incineration	SPECIATE 3.2	INCINERATOR, SEWAGE SLUDGE INCINERATION	PM
1712330	Sewage Sludge Incineration	SPECIATE 3.2	INCINERATOR, SEWAGE SLUDGE INCINERATION	PM
1712410	Sewage Sludge Incineration	SPECIATE 3.2	INCINERATOR, SEWAGE SLUDGE INCINERATION	PM
1712430	Sewage Sludge Incineration	SPECIATE 3.2	INCINERATOR, SEWAGE SLUDGE INCINERATION	PM
1800010	Cigarette Smoke	SPECIATE 3.2	CIGARETTE SMOKE	PM
1800030	Cigarette Smoke	SPECIATE 3.2	CIGARETTE SMOKE	PM
1910110	Scrap Copper Incinerator	SPECIATE 3.2	COPPER, INCINERATOR, SCRAP COPPER INCINERATION, INDUSTRIAL	PM
1910130	Scrap Copper Incinerator	SPECIATE 3.2	COPPER, INCINERATOR, SCRAP COPPER INCINERATION, INDUSTRIAL	PM
2010110	Aluminum Foundry-Reverberatory Furnace	SPECIATE 3.2	ALUMINUM FOUNDRY, FOUNDRY, ALUMINUM, REVERBERATORY FURNACE, FURNACE, INDUSTRIAL	PM
2010130	Aluminum Foundry-Reverberatory Furnace	SPECIATE 3.2	ALUMINUM FOUNDRY, FOUNDRY, ALUMINUM, REVERBERATORY FURNACE, FURNACE, INDUSTRIAL	PM
2010210	Secondary Aluminum Plant - Dross Recovery Furnace	SPECIATE 3.2	ALUMINUM, FURNACE, DROSS RECOVERY FURNACE, SECONDARY ALUMINUM, INDUSTRIAL	PM
2010230	Secondary Aluminum Plant - Dross Recovery Furnace	SPECIATE 3.2	ALUMINUM, FURNACE, DROSS RECOVERY FURNACE, SECONDARY ALUMINUM, INDUSTRIAL	PM
2010310	Secondary Aluminum - Dross Recovery Furnace	SPECIATE 3.2	ALUMINUM, FURNACE, DROSS RECOVERY FURNACE, SECONDARY ALUMINUM, INDUSTRIAL	PM
2010330	Secondary Aluminum - Dross Recovery Furnace	SPECIATE 3.2	ALUMINUM, FURNACE, DROSS RECOVERY FURNACE, SECONDARY ALUMINUM, INDUSTRIAL	PM
2040110	Secondary Lead Smelter - Blast Furnace	SPECIATE 3.2	BLAST FURNACE, FURNACE, LEAD, SECONDARY LEAD, SMELTER, SECONDARY LEAD SMELTER, INDUSTRIAL	PM
2040130	Secondary Lead Smelter - Blast Furnace	SPECIATE 3.2	BLAST FURNACE, FURNACE, LEAD, SECONDARY LEAD, SMELTER, SECONDARY LEAD SMELTER, INDUSTRIAL	PM
2040210	Secondary Lead - Sanitary Baghouse	SPECIATE 3.2	LEAD, SECONDARY LEAD, INDUSTRIAL	PM
2040230	Secondary Lead - Sanitary Baghouse	SPECIATE 3.2	LEAD, SECONDARY LEAD, INDUSTRIAL	PM
2040310	Secondary Lead - Reverberatory Furnace	SPECIATE 3.2	LEAD, SECONDARY LEAD, INDUSTRIAL, FURNACE, REVERBERATORY FURNACE	PM
2040330	Secondary Lead - Reverberatory Furnace	SPECIATE 3.2	LEAD, SECONDARY LEAD, INDUSTRIAL, FURNACE, REVERBERATORY FURNACE	PM
2040410	Secondary Lead - Melting Pot Fugitives	SPECIATE 3.2	LEAD, SECONDARY LEAD, MELTING POT, INDUSTRIAL	PM
2040430	Secondary Lead - Melting Pot Fugitives	SPECIATE 3.2	LEAD, SECONDARY LEAD, MELTING POT, INDUSTRIAL	PM
2040510	Secondary Lead - Melting Pot Stack	SPECIATE 3.2	LEAD, SECONDARY LEAD, MELTING POT, INDUSTRIAL	PM
2040530	Secondary Lead - Melting Pot Stack	SPECIATE 3.2	LEAD, SECONDARY LEAD, MELTING POT, INDUSTRIAL	PM
2040610	Secondary Lead - Yard Dust	SPECIATE 3.2	LEAD, SECONDARY LEAD, YARD DUST, INDUSTRIAL	PM
2040630	Secondary Lead - Yard Dust	SPECIATE 3.2	LEAD, SECONDARY LEAD, YARD DUST, INDUSTRIAL	PM
2050110	Zinc Oxide Kiln	SPECIATE 3.2	KILN, ZINC OXIDE, INDUSTRIAL	PM

Profile Number	Name	Data Origin	Keyword	Profile Type
2050130	Zinc Oxide Kiln	SPECIATE 3.2	KILN, ZINC OXIDE, INDUSTRIAL	PM
2050210	Antimony Oxide Plant - Antimony Roasting	SPECIATE 3.2	ANTIMONY OXIDE, ANTIMONY ROASTING, INDUSTRIAL	PM
2050230	Antimony Oxide Plant - Antimony Roasting	SPECIATE 3.2	ANTIMONY OXIDE, ANTIMONY ROASTING, INDUSTRIAL	PM
2050310	Antimony Oxide Plant - Antimony Roasting	SPECIATE 3.2	ANTIMONY OXIDE, ANTIMONY ROASTING, INDUSTRIAL	PM
2050330	Antimony Oxide Plant - Antimony Roasting	SPECIATE 3.2	ANTIMONY OXIDE, ANTIMONY ROASTING, INDUSTRIAL	PM
2110110	Limestone Dust	SPECIATE 3.2	LIMESTONE	PM
2110130	Limestone Dust	SPECIATE 3.2	LIMESTONE	PM
2110210	Primary Lead Smelting - Ore Concentrate	SPECIATE 3.2	LEAD ORE CONCENTRATE, LEAD, PRIMARY LEAD, PRIMARY LEAD SMELTING, SMELTER, INDUSTRIAL	PM
2110230	Primary Lead Smelting - Ore Concentrate	SPECIATE 3.2	LEAD ORE CONCENTRATE, LEAD, PRIMARY LEAD, PRIMARY LEAD SMELTING, SMELTER, INDUSTRIAL	PM
2110310	Primary Lead Smelting - Ore Concentrate Composite	SPECIATE 3.2	LEAD ORE CONCENTRATE, LEAD, PRIMARY LEAD, PRIMARY LEAD SMELTING, SMELTER, INDUSTRIAL	PM
2110330	Primary Lead Smelting - Ore Concentrate Composite	SPECIATE 3.2	LEAD ORE CONCENTRATE, LEAD, PRIMARY LEAD, PRIMARY LEAD SMELTING, SMELTER, INDUSTRIAL	PM
2115010	Primary Lead Smelting Materials Handling - Composite	SPECIATE 3.2	LEAD ORE CONCENTRATE, LEAD, PRIMARY LEAD, PRIMARY LEAD SMELTING, INDUSTRIAL	PM
2115030	Primary Lead Smelting Materials Handling - Composite	SPECIATE 3.2	LEAD ORE CONCENTRATE, LEAD, PRIMARY LEAD, PRIMARY LEAD SMELTING, INDUSTRIAL	PM
2120310	Coke Dust	SPECIATE 3.2	COKE, COKE DUST, INDUSTRIAL	PM
2120330	Coke Dust	SPECIATE 3.2	COKE, COKE DUST, INDUSTRIAL	PM
2120410	Coal Dust	SPECIATE 3.2	COAL DUST, INDUSTRIAL	PM
2120430	Coal Dust	SPECIATE 3.2	COAL DUST, INDUSTRIAL	PM
2120510	Primary Lead Smelting - Speiss Fugitive Dust	SPECIATE 3.2	SMELTER, PRIMARY LEAD, PRIMARY LEAD SMELTING, INDUSTRIAL	PM
2120530	Primary Lead Smelting - Speiss Fugitive Dust	SPECIATE 3.2	SMELTER, PRIMARY LEAD, PRIMARY LEAD SMELTING, INDUSTRIAL	PM
2120610	Primary Lead Smelting - Soda Flux Fugitive Dust	SPECIATE 3.2	PRIMARY LEAD, LEAD, SODA FLUX, PRIMARY LEAD SMELTING, SMELTER, INDUSTRIAL	PM
2120630	Primary Lead Smelting - Soda Flux Fugitive Dust	SPECIATE 3.2	PRIMARY LEAD, LEAD, SODA FLUX, PRIMARY LEAD SMELTING, SMELTER, INDUSTRIAL	PM
2130110	Copper Ore Crushing	SPECIATE 3.2	COPPER, COPPER ORE CRUSHING, COPPER ORE, INDUSTRIAL	PM
2130130	Copper Ore Crushing	SPECIATE 3.2	COPPER, COPPER ORE CRUSHING, COPPER ORE, INDUSTRIAL	PM
2130210	Copper Ore Mill Wastepile	SPECIATE 3.2	COPPER, COPPER ORE MILL, INDUSTRIAL	PM
2130230	Copper Ore Mill Wastepile	SPECIATE 3.2	COPPER, COPPER ORE MILL, INDUSTRIAL	PM
2130310	Copper Ore Concentrate	SPECIATE 3.2	COPPER, COPPER ORE, INDUSTRIAL	PM
2130330	Copper Ore Concentrate	SPECIATE 3.2	COPPER, COPPER ORE, INDUSTRIAL	PM
2130410	Copper Mining Waste	SPECIATE 3.2	COPPER, MINING, COPPER MINING, COPPER MINING WASTE, INDUSTRIAL	PM
2130430	Copper Mining Waste	SPECIATE 3.2	COPPER, MINING, COPPER MINING, COPPER MINING WASTE, INDUSTRIAL	PM
2132010	Copper Ore - Composite	SPECIATE 3.2	COPPER, COPPER ORE, INDUSTRIAL	PM
2132030	Copper Ore - Composite	SPECIATE 3.2	COPPER, COPPER ORE, INDUSTRIAL	PM
2134010	Composite Of Copper Ore Concentrate And Mining Waste	SPECIATE 3.2	COPPER, MINING, COPPER MINING, COPPER MINING WASTE, INDUSTRIAL, COPPER ORE	PM
2134030	Composite Of Copper Ore Concentrate And Mining Waste	SPECIATE 3.2	COPPER, MINING, COPPER MINING, COPPER MINING WASTE, INDUSTRIAL, COPPER ORE	PM
2140110	Feed And Grain Handling Dust	SPECIATE 3.2	INDUSTRIAL, FEED, MINING	PM
2140130	Feed And Grain Handling Dust	SPECIATE 3.2	INDUSTRIAL, FEED, MINING	PM
2150110	Primary Lead Smelting - Slag Dust	SPECIATE 3.2	LEAD, PRIMARY LEAD, SLAG DUST, SMELTER, PRIMARY LEAD SMELTING, INDUSTRIAL	PM
2150130	Primary Lead Smelting - Slag Dust	SPECIATE 3.2	LEAD, PRIMARY LEAD, SLAG DUST, SMELTER, PRIMARY LEAD SMELTING, INDUSTRIAL	PM
2210110	Particle Board Dryer	SPECIATE 3.2	DRYER, PARTICLE BOARD, WOOD, PARTICLE BOARD DRYER, INDUSTRIAL	PM
2210130	Particle Board Dryer	SPECIATE 3.2	DRYER, PARTICLE BOARD, WOOD, PARTICLE BOARD DRYER, INDUSTRIAL	PM
2210210	Particle Board Dryer	SPECIATE 3.2	DRYER, PARTICLE BOARD, WOOD, PARTICLE BOARD DRYER, INDUSTRIAL	PM
2210230	Particle Board Dryer	SPECIATE 3.2	DRYER, PARTICLE BOARD, WOOD, PARTICLE BOARD DRYER, INDUSTRIAL	PM
2210310	Particleboard Dryer / Direct - Fired	SPECIATE 3.2	DRYER, WOOD COMBUSTION, PARTICLE BOARD DRYER, INDUSTRIAL	PM
2210330	Particleboard Dryer / Direct - Fired	SPECIATE 3.2	DRYER, WOOD COMBUSTION, PARTICLE BOARD DRYER, INDUSTRIAL	PM
2220110	Wood Products - Sander dust	SPECIATE 3.2	WOOD, SANDERDUST, INDUSTRIAL	PM
2220130	Wood Products - Sander dust	SPECIATE 3.2	WOOD, SANDERDUST, INDUSTRIAL	PM
2220210	Sawdust	SPECIATE 3.2	SAWDUST, WOOD, INDUSTRIAL	PM
2220230	Sawdust	SPECIATE 3.2	SAWDUST, WOOD, INDUSTRIAL	PM



Profile Number	Name	Data Origin	Keyword	Profile Type
2220310	Wood Sander Dust	SPECIATE 3.2	SANDER, WOOD, INDUSTRIAL	PM
2220330	Wood Sander Dust	SPECIATE 3.2	SANDER, WOOD, INDUSTRIAL	PM
2230110	Veneer Dryer	SPECIATE 3.2	DRYER, VENEER DRYER, INDUSTRIAL	PM
2230130	Veneer Dryer	SPECIATE 3.2	DRYER, VENEER DRYER, INDUSTRIAL	PM
2230210	Veneer Dryer / Steam - Heated	SPECIATE 3.2	DRYER, VENEER DRYER, INDUSTRIAL	PM
2230230	Veneer Dryer / Steam - Heated	SPECIATE 3.2	DRYER, VENEER DRYER, INDUSTRIAL	PM
2230310	Veneer Dryer / Wood - Fired	SPECIATE 3.2	DRYER, VENEER DRYER, INDUSTRIAL, WOOD COMBUSTION, SANDER	PM
2230330	Veneer Dryer / Wood - Fired	SPECIATE 3.2	DRYER, VENEER DRYER, INDUSTRIAL, WOOD COMBUSTION, SANDER	PM
2310310	Kraft Recovery Furnace	SPECIATE 3.2	FURNACE, KRAFT RECOVERY FURNACE, INDUSTRIAL	PM
2310330	Kraft Recovery Furnace	SPECIATE 3.2	FURNACE, KRAFT RECOVERY FURNACE, INDUSTRIAL	PM
2310410	Kraft Recovery Furnace	SPECIATE 3.2	FURNACE, KRAFT RECOVERY FURNACE, INDUSTRIAL	PM
2310430	Kraft Recovery Furnace	SPECIATE 3.2	FURNACE, KRAFT RECOVERY FURNACE, INDUSTRIAL	PM
2320210	Lime Kiln	SPECIATE 3.2	KILN, LIME, LIME KILN, INDUSTRIAL	PM
2320230	Lime Kiln	SPECIATE 3.2	KILN, LIME, LIME KILN, INDUSTRIAL	PM
2410110	Sulfite Recovery Boiler	SPECIATE 3.2	BOILER, SULFITE, SULFITE RECOVERY BOILER, INDUSTRIAL	PM
2410130	Sulfite Recovery Boiler	SPECIATE 3.2	BOILER, SULFITE, SULFITE RECOVERY BOILER, INDUSTRIAL	PM
2520110	Calcium Carbide Furnace	SPECIATE 3.2	CALCIUM CARBIDE, CALCIUM CARBIDE FURNACE, FURNACE, INDUSTRIAL	PM
2520130	Calcium Carbide Furnace	SPECIATE 3.2	CALCIUM CARBIDE, CALCIUM CARBIDE FURNACE, FURNACE, INDUSTRIAL	PM
2530210	Charcoal Manufacturing	SPECIATE 3.2	CHARCOAL, CHARCOAL MANUFACTURING, INDUSTRIAL	PM
2530230	Charcoal Manufacturing	SPECIATE 3.2	CHARCOAL, CHARCOAL MANUFACTURING, INDUSTRIAL	PM
2540110	Silica Manufacturing	SPECIATE 3.2	SILICA, SILICA MANUFACTURING, INDUSTRIAL	PM
2540130	Silica Manufacturing	SPECIATE 3.2	SILICA, SILICA MANUFACTURING, INDUSTRIAL	PM
2540210	Asphalt Roofing Manufacturing	SPECIATE 3.2	ASPHALT, ASPHALT ROOFING, ASPHALT ROOFING MANUFACTURING, INDUSTRIAL	PM
2540230	Asphalt Roofing Manufacturing	SPECIATE 3.2	ASPHALT, ASPHALT ROOFING, ASPHALT ROOFING MANUFACTURING, INDUSTRIAL	PM
2540310	Paint Spray Booth	SPECIATE 3.2	PAINT, SPRAY BOOTH, SURFACE COATING, INDUSTRIAL	PM
2540330	Paint Spray Booth	SPECIATE 3.2	PAINT, SPRAY BOOTH, SURFACE COATING, INDUSTRIAL	PM
2540410	Urea Fertilizer Production	SPECIATE 3.2	FERTILIZER, FERTILIZER PRODUCTION, UREA, UREA FERTILIZER PRODUCTION, UREA FERTILIZER, INDUSTRIAL	PM
2540430	Urea Fertilizer Production	SPECIATE 3.2	FERTILIZER, FERTILIZER PRODUCTION, UREA, UREA FERTILIZER PRODUCTION, UREA FERTILIZER, INDUSTRIAL	PM
2540510	Boric Acid Manufacturing	SPECIATE 3.2	BORIC ACID, BORIC ACID MANUFACTURING, INDUSTRIAL	PM
2540530	Boric Acid Manufacturing	SPECIATE 3.2	BORIC ACID, BORIC ACID MANUFACTURING, INDUSTRIAL	PM
2540610	Carborundum Manufacturing	SPECIATE 3.2	CARBORUNDUM, CARBORUNDUM MANUFACTURING, INDUSTRIAL	PM
2540630	Carborundum Manufacturing	SPECIATE 3.2	CARBORUNDUM, CARBORUNDUM MANUFACTURING, INDUSTRIAL	PM
2540710	Phosphorous Plant Plume	SPECIATE 3.2	PHOSPHOROUS, PHOSPHOROUS MANUFACTURING, INDUSTRIAL	PM
2540730	Phosphorous Plant Plume	SPECIATE 3.2	PHOSPHOROUS, PHOSPHOROUS MANUFACTURING, INDUSTRIAL	PM
2540810	Fertilizer Production - Phosphate Rock Dust	SPECIATE 3.2	FERTILIZER PRODUCTION, FERTILIZER, PHOSPHATE, PHOSPHATE ROCK, INDUSTRIAL	PM
2540830	Fertilizer Production - Phosphate Rock Dust	SPECIATE 3.2	FERTILIZER PRODUCTION, FERTILIZER, PHOSPHATE, PHOSPHATE ROCK, INDUSTRIAL	PM
2540910	Ammonium Nitrate - Prill Tower	SPECIATE 3.2	AMMONIUM NITRATE, PRILL TOWER, INDUSTRIAL	PM
2540930	Ammonium Nitrate - Prill Tower	SPECIATE 3.2	AMMONIUM NITRATE, PRILL TOWER, INDUSTRIAL	PM
2541010	Ammonium Sulfate Production	SPECIATE 3.2	AMMONIUM SULFATE, AMMONIUM SULFATE PRODUCTION, INDUSTRIAL	PM
2541030	Ammonium Sulfate Production	SPECIATE 3.2	AMMONIUM SULFATE, AMMONIUM SULFATE PRODUCTION, INDUSTRIAL	PM
2541110	Diammonium Phosphate Plant	SPECIATE 3.2	DIAMMONIUM PHOSPHATE, DIAMMONIUM PHOSPHATE PRODUCTION, INDUSTRIAL	PM
2541130	Diammonium Phosphate Plant	SPECIATE 3.2	DIAMMONIUM PHOSPHATE, DIAMMONIUM PHOSPHATE PRODUCTION, INDUSTRIAL	PM
2541210	Superphosphate Plant	SPECIATE 3.2	FERTILIZER, SUPERPHOSPHATE, SUPERPHOSPHATE PLANT, INDUSTRIAL	PM
2541230	Superphosphate Plant	SPECIATE 3.2	FERTILIZER, SUPERPHOSPHATE, SUPERPHOSPHATE PLANT, INDUSTRIAL	PM
2541310	Superphosphate Granulation	SPECIATE 3.2	SUPERPHOSPHATE, INDUSTRIAL	PM
2541330	Superphosphate Granulation	SPECIATE 3.2	SUPERPHOSPHATE, INDUSTRIAL	PM
2541410	Sodium Tripolyphosphate - Cyclone Dust	SPECIATE 3.2	SODIUM TRIPOLYPHOSPHATE, INDUSTRIAL	PM

Profile Number	Name	Data Origin	Keyword	Profile Type
2541430	Sodium Tripolyphosphate - Cyclone Dust	SPECIATE 3.2	SODIUM TRIPOLYPHOSPHATE, INDUSTRIAL	PM
2541510	Npk Fertilizer	SPECIATE 3.2	FERTILIZER, NPK, NPK FERTILIZER, INDUSTRIAL	PM
2541530	Npk Fertilizer	SPECIATE 3.2	FERTILIZER, NPK, NPK FERTILIZER, INDUSTRIAL	PM
2541610	Phosphoric Acid Plant	SPECIATE 3.2	PHOSPHORIC ACID, PHOSPHORIC ACID PLANT, INDUSTRIAL	PM
2541630	Phosphoric Acid Plant	SPECIATE 3.2	PHOSPHORIC ACID, PHOSPHORIC ACID PLANT, INDUSTRIAL	PM
2541710	Monoammonium Phosphate Dryer	SPECIATE 3.2	DRYER, MONOAMMONIUM PHOSPHATE, MONOAMMONIUM PHOSPHATE DRYER, INDUSTRIAL	PM
2541730	Monoammonium Phosphate Dryer	SPECIATE 3.2	DRYER, MONOAMMONIUM PHOSPHATE, MONOAMMONIUM PHOSPHATE DRYER, INDUSTRIAL	PM
2541810	Phosphate Fertilizer Calciner	SPECIATE 3.2	PHOSPHATE FERTILIZER CALCINER, FERTILIZER, PHOSPHATE FERTILIZER, INDUSTRIAL	PM
2541830	Phosphate Fertilizer Calciner	SPECIATE 3.2	PHOSPHATE FERTILIZER CALCINER, FERTILIZER, PHOSPHATE FERTILIZER, INDUSTRIAL	PM
2541910	Triple Super Phosphate Stack	SPECIATE 3.2	PHOSPHATE, SUPERPHOSPHATE, TRIPLE, SUPERPHOSPHATE, INDUSTRIAL	PM
2541930	Triple Super Phosphate Stack	SPECIATE 3.2	PHOSPHATE, SUPERPHOSPHATE, TRIPLE, SUPERPHOSPHATE, INDUSTRIAL	PM
2542010	Slag Loadout Fugitives - Elemental Phosphorus Plant	SPECIATE 3.2	SLAG, PHOSPHOROUS, ELEMENTAL PHOSPHOROUS, ELEMENTAL PHOSPHOROUS PLANT, INDUSTRIAL	PM
2542030	Slag Loadout Fugitives - Elemental Phosphorus Plant	SPECIATE 3.2	SLAG, PHOSPHOROUS, ELEMENTAL PHOSPHOROUS, ELEMENTAL PHOSPHOROUS PLANT, INDUSTRIAL	PM
2542110	Calciner - Elemental Phosphorus Plant	SPECIATE 3.2	INDUSTRIAL, ELEMENTAL PHOSPHOROUS, PHOSPHOROUS, ELEMENTAL PHOSPHOROUS PLANT, CALCINER	PM
2542130	Calciner - Elemental Phosphorus Plant	SPECIATE 3.2	INDUSTRIAL, ELEMENTAL PHOSPHOROUS, PHOSPHOROUS, ELEMENTAL PHOSPHOROUS PLANT, CALCINER	PM
2542210	Furnace Tapping - Elemental Phosphorus Plant	SPECIATE 3.2	ELEMENTAL PHOSPHORUS, PHOSPHORUS, FURNACE, ELEMENTAL PHOSPHORUS PLANT, INDUSTRIAL	PM
2542230	Furnace Tapping - Elemental Phosphorus Plant	SPECIATE 3.2	ELEMENTAL PHOSPHORUS, PHOSPHORUS, FURNACE, ELEMENTAL PHOSPHORUS PLANT, INDUSTRIAL	PM
2550010	Tar Pot	SPECIATE 3.2	TAR POT, ROOFING, ASPHALT ROOFING, ASPHALT	PM
2550030	Tar Pot	SPECIATE 3.2	TAR POT, ROOFING, ASPHALT ROOFING, ASPHALT	PM
2570110	Metal Fabrication - Galvanizing (ZnO)	SPECIATE 3.2	METAL FABRICATION, GALVANIZING, ZINC OXIDE, INDUSTRIAL	PM
2570130	Metal Fabrication - Galvanizing (ZnO)	SPECIATE 3.2	METAL FABRICATION, GALVANIZING, ZINC OXIDE, INDUSTRIAL	PM
2570210	Metal Fabrication - Sandblasting	SPECIATE 3.2	METAL FABRICATION, SANDBLASTING, INDUSTRIAL	PM
2570230	Metal Fabrication - Sandblasting	SPECIATE 3.2	METAL FABRICATION, SANDBLASTING, INDUSTRIAL	PM
2570310	Metal Fabrication - Welding	SPECIATE 3.2	METAL FABRICATION, WELDING, INDUSTRIAL	PM
2570330	Metal Fabrication - Welding	SPECIATE 3.2	METAL FABRICATION, WELDING, INDUSTRIAL	PM
2610110	Refinery Process Heaters (Gas)	SPECIATE 3.2	HEATERS, PROCESS HEATERS, REFINERY, NATURAL GAS COMBUSTION, INDUSTRIAL	PM
2610130	Refinery Process Heaters (Gas)	SPECIATE 3.2	HEATERS, PROCESS HEATERS, REFINERY, NATURAL GAS COMBUSTION, INDUSTRIAL	PM
2620210	Petroleum Refinery Catalytic Cracker	SPECIATE 3.2	CATALYTIC CRACKER, REFINERY, INDUSTRIAL	PM
2620230	Petroleum Refinery Catalytic Cracker	SPECIATE 3.2	CATALYTIC CRACKER, REFINERY, INDUSTRIAL	PM
2620310	Petroleum Refinery Catalytic Cracker	SPECIATE 3.2	CATALYTIC CRACKER, REFINERY, INDUSTRIAL	PM
2620330	Petroleum Refinery Catalytic Cracker	SPECIATE 3.2	CATALYTIC CRACKER, REFINERY, INDUSTRIAL	PM
2620410	Petroleum Refinery Catalytic Cracker	SPECIATE 3.2	CATALYTIC CRACKER, REFINERY, INDUSTRIAL	PM
2620430	Petroleum Refinery Catalytic Cracker	SPECIATE 3.2	CATALYTIC CRACKER, REFINERY, INDUSTRIAL	PM
2620510	Petroleum Refinery Catalytic Cracker	SPECIATE 3.2	CATALYTIC CRACKER, REFINERY, INDUSTRIAL	PM
2620530	Petroleum Refinery Catalytic Cracker	SPECIATE 3.2	CATALYTIC CRACKER, REFINERY, INDUSTRIAL	PM
2620610	Coke Calciner	SPECIATE 3.2	CALCINER, COKE, COKE CALCINER, INDUSTRIAL	PM
2620630	Coke Calciner	SPECIATE 3.2	CALCINER, COKE, COKE CALCINER, INDUSTRIAL	PM
2620710	Green Coke Dust	SPECIATE 3.2	COKE, GREEN COKE, INDUSTRIAL	PM
2620730	Green Coke Dust	SPECIATE 3.2	COKE, GREEN COKE, INDUSTRIAL	PM
2620810	Coke Cooler	SPECIATE 3.2	COKE, COKE COOLER, INDUSTRIAL	PM
2620830	Coke Cooler	SPECIATE 3.2	COKE, COKE COOLER, INDUSTRIAL	PM
2620910	Catalytic Cracker Composite	SPECIATE 3.2	CATALYTIC CRACKER, INDUSTRIAL	PM
2620930	Catalytic Cracker Composite	SPECIATE 3.2	CATALYTIC CRACKER, INDUSTRIAL	PM
2710210	Glass Furnace	SPECIATE 3.2	FURNACE, GLASS, GLASS FURNACE, INDUSTRIAL	PM
2710230	Glass Furnace	SPECIATE 3.2	FURNACE, GLASS, GLASS FURNACE, INDUSTRIAL	PM
2720110	Cement Kiln (Gas-Fired)	SPECIATE 3.2	CEMENT, NATURAL GAS COMBUSTION, KILN, CEMENT KILN, INDUSTRIAL	PM
2720130	Cement Kiln (Gas-Fired)	SPECIATE 3.2	CEMENT, NATURAL GAS COMBUSTION, KILN, CEMENT KILN, INDUSTRIAL	PM

Profile Number	Name	Data Origin	Keyword	Profile Type
2720310	Cement Kiln (Coal-Fired)	SPECIATE 3.2	CEMENT, COAL COMBUSTION, KILN, CEMENT KILN, INDUSTRIAL	PM
2720330	Cement Kiln (Coal-Fired)	SPECIATE 3.2	CEMENT, COAL COMBUSTION, KILN, CEMENT KILN, INDUSTRIAL	PM
2720410	Portland Cement Dust	SPECIATE 3.2	CEMENT, PORTLAND CEMENT, INDUSTRIAL	PM
2720430	Portland Cement Dust	SPECIATE 3.2	CEMENT, PORTLAND CEMENT, INDUSTRIAL	PM
2720510	Cement Ball Mill	SPECIATE 3.2	CEMENT BALL MILL, CEMENT, INDUSTRIAL	PM
2720530	Cement Ball Mill	SPECIATE 3.2	CEMENT BALL MILL, CEMENT, INDUSTRIAL	PM
2750110	Gypsum Calciner	SPECIATE 3.2	CALCINER, GYPSUM, GYPSUM CALCINER, INDUSTRIAL	PM
2750130	Gypsum Calciner	SPECIATE 3.2	CALCINER, GYPSUM, GYPSUM CALCINER, INDUSTRIAL	PM
2750210	Gypsum Handling	SPECIATE 3.2	INDUSTRIAL, GYPSUM	PM
2750230	Gypsum Handling	SPECIATE 3.2	INDUSTRIAL, GYPSUM	PM
2750310	Gypsum Kiln	SPECIATE 3.2	INDUSTRIAL, KILN, GYPSUM	PM
2750330	Gypsum Kiln	SPECIATE 3.2	INDUSTRIAL, KILN, GYPSUM	PM
2750410	Gypsum Pile Dust	SPECIATE 3.2	INDUSTRIAL, GYPSUM	PM
2750430	Gypsum Pile Dust	SPECIATE 3.2	INDUSTRIAL, GYPSUM	PM
2760110	Lime Handling	SPECIATE 3.2	LIME, INDUSTRIAL	PM
2760130	Lime Handling	SPECIATE 3.2	LIME, INDUSTRIAL	PM
2760210	Lime Kiln	SPECIATE 3.2	KILN, LIME, INDUSTRIAL	PM
2760230	Lime Kiln	SPECIATE 3.2	KILN, LIME, INDUSTRIAL	PM
2820110	Cast Iron Induction Furnace	SPECIATE 3.2	CAST IRON, FURNACE, CAST IRON INDUCTION FURNACE, INDUCTION FURNACE, INDUSTRIAL	PM
2820130	Cast Iron Induction Furnace	SPECIATE 3.2	CAST IRON, FURNACE, CAST IRON INDUCTION FURNACE, INDUCTION FURNACE, INDUSTRIAL	PM
2820210	Cast Iron Cupola	SPECIATE 3.2	CAST IRON, CUPOLA, INDUSTRIAL	PM
2820230	Cast Iron Cupola	SPECIATE 3.2	CAST IRON, CUPOLA, INDUSTRIAL	PM
2830110	Steel Production - Steel Sinter Plant	SPECIATE 3.2	STEEL PRODUCTION, STEEL SINTER PLANT, STEEL, INDUSTRIAL	PM
2830130	Steel Production - Steel Sinter Plant	SPECIATE 3.2	STEEL PRODUCTION, STEEL SINTER PLANT, STEEL, INDUSTRIAL	PM
2830210	Steel Production - Open Hearth Furnace	SPECIATE 3.2	STEEL PRODUCTION, FURNACE, OPEN HEARTH FURNACE, STEEL, INDUSTRIAL	PM
2830230	Steel Production - Open Hearth Furnace	SPECIATE 3.2	STEEL PRODUCTION, FURNACE, OPEN HEARTH FURNACE, STEEL, INDUSTRIAL	PM
2830310	Steel Production - Basic Oxygen Furnace	SPECIATE 3.2	STEEL PRODUCTION, FURNACE, BASIC OXYGEN FURNACE, STEEL, INDUSTRIAL	PM
2830330	Steel Production - Basic Oxygen Furnace	SPECIATE 3.2	STEEL PRODUCTION, FURNACE, BASIC OXYGEN FURNACE, STEEL, INDUSTRIAL	PM
2830410	Iron Ore Dust - Sinter	SPECIATE 3.2	IRON ORE, SINTER, INDUSTRIAL	PM
2830430	Iron Ore Dust - Sinter	SPECIATE 3.2	IRON ORE, SINTER, INDUSTRIAL	PM
2830510	Steel Electric Arc Furnace	SPECIATE 3.2	STEEL ELECTRIC ARC FURNACE, ELECTRIC ARC FURNACE, FURNACE, STEEL, INDUSTRIAL	PM
2830530	Steel Electric Arc Furnace	SPECIATE 3.2	STEEL ELECTRIC ARC FURNACE, ELECTRIC ARC FURNACE, FURNACE, STEEL, INDUSTRIAL	PM
2830610	Steel Desulfurization Baghouse Dust	SPECIATE 3.2	STEEL DESULFURIZATION, STEEL, INDUSTRIAL	PM
2830630	Steel Desulfurization Baghouse Dust	SPECIATE 3.2	STEEL DESULFURIZATION, STEEL, INDUSTRIAL	PM
2830710	Steel Production - Basic Oxygen Furnace	SPECIATE 3.2	STEEL PRODUCTION, FURNACE, BASIC OXYGEN FURNACE, STEEL, INDUSTRIAL	PM
2830730	Steel Production - Basic Oxygen Furnace	SPECIATE 3.2	STEEL PRODUCTION, FURNACE, BASIC OXYGEN FURNACE, STEEL, INDUSTRIAL	PM
2840110	Ferromanganese Furnace	SPECIATE 3.2	FERROMANGANESE, FURNACE, FERROMANGANESE FURNACE, INDUSTRIAL	PM
2840130	Ferromanganese Furnace	SPECIATE 3.2	FERROMANGANESE, FURNACE, FERROMANGANESE FURNACE, INDUSTRIAL	PM
2860110	Steel Foundry - Steel Heat Treating (Salt Quench)	SPECIATE 3.2	SALT QUENCH, FOUNDRY, STEEL, STEEL FOUNDRY, STEEL HEAT TREATING, INDUSTRIAL	PM
2860130	Steel Foundry - Steel Heat Treating (Salt Quench)	SPECIATE 3.2	SALT QUENCH, FOUNDRY, STEEL, STEEL FOUNDRY, STEEL HEAT TREATING, INDUSTRIAL	PM
2910110	Aluminum Processing	SPECIATE 3.2	ALUMINUM, ALUMINUM PROCESSING, INDUSTRIAL	PM
2910130	Aluminum Processing	SPECIATE 3.2	ALUMINUM, ALUMINUM PROCESSING, INDUSTRIAL	PM
2910210	Aluminum Reduction Potline	SPECIATE 3.2	ALUMINUM, ALUMINUM REDUCTION POTLINE, INDUSTRIAL	PM
2910230	Aluminum Reduction Potline	SPECIATE 3.2	ALUMINUM, ALUMINUM REDUCTION POTLINE, INDUSTRIAL	PM
2920110	Copper Oxide Kiln	SPECIATE 3.2	KILN, COPPER OXIDE, COPPER OXIDE KILN, INDUSTRIAL	PM
2920130	Copper Oxide Kiln	SPECIATE 3.2	KILN, COPPER OXIDE, COPPER OXIDE KILN, INDUSTRIAL	PM
2920210	Primary Copper Smelter	SPECIATE 3.2	COPPER, PRIMARY COPPER, SMELTER, PRIMARY COPPER SMELTER, INDUSTRIAL	PM

Profile Number	Name	Data Origin	Keyword	Profile Type
2920230	Primary Copper Smelter	SPECIATE 3.2	COPPER, PRIMARY COPPER, SMELTER, PRIMARY COPPER SMELTER, INDUSTRIAL	PM
2920310	Primary Copper Reverberatory Furnace - Slag Tap	SPECIATE 3.2	COPPER, FLASH FURNACE, FURNACE, PRIMARY COPPER, SLAG, REVERBERATORY FURNACE, INDUSTRIAL	PM
2920330	Primary Copper Reverberatory Furnace - Slag Tap	SPECIATE 3.2	COPPER, FLASH FURNACE, FURNACE, PRIMARY COPPER, SLAG, REVERBERATORY FURNACE, INDUSTRIAL	PM
2920410	Primary Copper Reverberatory Furnace - Slag Skim & Pour	SPECIATE 3.2	COPPER, FLASH FURNACE, FURNACE, PRIMARY COPPER, SLAG, PRIMARY COPPER REVERB FURNACE, INDUSTRIAL	PM
2920430	Primary Copper Reverberatory Furnace - Slag Skim & Pour	SPECIATE 3.2	COPPER, FLASH FURNACE, FURNACE, PRIMARY COPPER, SLAG, PRIMARY COPPER REVERB FURNACE, INDUSTRIAL	PM
2920510	Primary Copper Converter - Secondary Hood	SPECIATE 3.2	COPPER, PRIMARY COPPER CONVERTER, PRIMARY COPPER, INDUSTRIAL	PM
2920530	Primary Copper Converter - Secondary Hood	SPECIATE 3.2	COPPER, PRIMARY COPPER CONVERTER, PRIMARY COPPER, INDUSTRIAL	PM
2920610	Primary Copper Converter - Secondary Hood	SPECIATE 3.2	COPPER, PRIMARY COPPER CONVERTER, PRIMARY COPPER, INDUSTRIAL	PM
2920630	Primary Copper Converter - Secondary Hood	SPECIATE 3.2	COPPER, PRIMARY COPPER CONVERTER, PRIMARY COPPER, INDUSTRIAL	PM
2920710	Primary Copper Flash Furnace - Matte & Slag Tap	SPECIATE 3.2	COPPER, FLASH FURNACE, FURNACE, PRIMARY COPPER, SLAG, PRIMARY COPPER FLASH FURNACE, INDUSTRIAL	PM
2920730	Primary Copper Flash Furnace - Matte & Slag Tap	SPECIATE 3.2	COPPER, FLASH FURNACE, FURNACE, PRIMARY COPPER, SLAG, PRIMARY COPPER FLASH FURNACE, INDUSTRIAL	PM
2920810	Primary Copper - Process Stack	SPECIATE 3.2	COPPER, PRIMARY COPPER, INDUSTRIAL	PM
2920830	Primary Copper - Process Stack	SPECIATE 3.2	COPPER, PRIMARY COPPER, INDUSTRIAL	PM
2920910	Primary Copper Roaster	SPECIATE 3.2	COPPER, PRIMARY COPPER, ROASTER, PRIMARY COPPER ROASTER, INDUSTRIAL	PM
2920930	Primary Copper Roaster	SPECIATE 3.2	COPPER, PRIMARY COPPER, ROASTER, PRIMARY COPPER ROASTER, INDUSTRIAL	PM
2921010	Primary Copper Reverberatory Furnace Fugitives Composite	SPECIATE 3.2	COPPER, FLASH FURNACE, FURNACE, PRIMARY COPPER, REVERBERATORY FURNACE, PRIMARY COPPER REVERB FURNACE, INDUSTRIAL	PM
2921030	Primary Copper Reverberatory Furnace Fugitives Composite	SPECIATE 3.2	COPPER, FLASH FURNACE, FURNACE, PRIMARY COPPER, REVERBERATORY FURNACE, PRIMARY COPPER REVERB FURNACE, INDUSTRIAL	PM
2921110	Primary Copper Converter - Secondary Hood Composite	SPECIATE 3.2	COPPER, PRIMARY COPPER CONVERTER, PRIMARY COPPER, CONVERTER, INDUSTRIAL	PM
2921130	Primary Copper Converter - Secondary Hood Composite	SPECIATE 3.2	COPPER, PRIMARY COPPER CONVERTER, PRIMARY COPPER, CONVERTER, INDUSTRIAL	PM
2930110	Primary Lead Smelting - Slag Pouring	SPECIATE 3.2	LEAD, PRIMARY LEAD, SLAG, SMELTER, PRIMARY LEAD SMELTING, INDUSTRIAL	PM
2930130	Primary Lead Smelting - Slag Pouring	SPECIATE 3.2	LEAD, PRIMARY LEAD, SLAG, SMELTER, PRIMARY LEAD SMELTING, INDUSTRIAL	PM
2930210	Primary Lead Smelting - Blast Furnace	SPECIATE 3.2	BLAST FURNACE, FURNACE, LEAD, PRIMARY LEAD, SMELTER, PRIMARY LEAD SMELTING, INDUSTRIAL	PM
2930230	Primary Lead Smelting - Blast Furnace	SPECIATE 3.2	BLAST FURNACE, FURNACE, LEAD, PRIMARY LEAD, SMELTER, PRIMARY LEAD SMELTING, INDUSTRIAL	PM
2930310	Primary Lead Smelting - Zinc Fuming	SPECIATE 3.2	ZINC FUMING, LEAD, SMELTER, PRIMARY LEAD, PRIMARY LEAD SMELTING, INDUSTRIAL	PM
2930330	Primary Lead Smelting - Zinc Fuming	SPECIATE 3.2	ZINC FUMING, LEAD, SMELTER, PRIMARY LEAD, PRIMARY LEAD SMELTING, INDUSTRIAL	PM
2930410	Primary Lead Smelting - Sintering	SPECIATE 3.2	SINTERING, LEAD, PRIMARY LEAD, PRIMARY LEAD SMELTING, SMELTER, INDUSTRIAL	PM
2930430	Primary Lead Smelting - Sintering	SPECIATE 3.2	SINTERING, LEAD, PRIMARY LEAD, PRIMARY LEAD SMELTING, SMELTER, INDUSTRIAL	PM
2930510	Primary Lead Smelting - Blast Furnace Upset	SPECIATE 3.2	BLAST FURNACE, FURNACE, LEAD, PRIMARY LEAD, SMELTER, PRIMARY LEAD SMELTING, INDUSTRIAL	PM
2930530	Primary Lead Smelting - Blast Furnace Upset	SPECIATE 3.2	BLAST FURNACE, FURNACE, LEAD, PRIMARY LEAD, SMELTER, PRIMARY LEAD SMELTING, INDUSTRIAL	PM
2930610	Primary Lead Smelting-Zinc Baghouse	SPECIATE 3.2	ZINC, LEAD, PRIMARY LEAD, SMELTER, PRIMARY LEAD SMELTING, INDUSTRIAL	PM
2930630	Primary Lead Smelting-Zinc Baghouse	SPECIATE 3.2	ZINC, LEAD, PRIMARY LEAD, SMELTER, PRIMARY LEAD SMELTING, INDUSTRIAL	PM
2930710	Primary Lead Smelting-Dross Reverberatory Furnace	SPECIATE 3.2	FURNACE, LEAD, PRIMARY LEAD, REVERBERATORY FURNACE, SMELTER, PRIMARY LEAD SMELTING, DROSS REVERBERATORY FURNACE, INDUSTRIAL	PM
2930730	Primary Lead Smelting-Dross Reverberatory Furnace	SPECIATE 3.2	FURNACE, LEAD, PRIMARY LEAD, REVERBERATORY FURNACE, SMELTER, PRIMARY LEAD SMELTING, DROSS REVERBERATORY FURNACE, INDUSTRIAL	PM
2930910	Primary Lead Smelting-Sinter Production	SPECIATE 3.2	SINTER, LEAD, PRIMARY LEAD, SMELTER, PRIMARY LEAD SMELTING, INDUSTRIAL	PM
2930930	Primary Lead Smelting-Sinter Production	SPECIATE 3.2	SINTER, LEAD, PRIMARY LEAD, SMELTER, PRIMARY LEAD SMELTING, INDUSTRIAL	PM
2931010	Primary Lead - Dross Building	SPECIATE 3.2	DROSS BUILDING, LEAD, PRIMARY LEAD, SMELTER, INDUSTRIAL	PM
2931030	Primary Lead - Dross Building	SPECIATE 3.2	DROSS BUILDING, LEAD, PRIMARY LEAD, SMELTER, INDUSTRIAL	PM
2931110	Primary Lead - Slag Pour	SPECIATE 3.2	SLAG, LEAD, PRIMARY LEAD, SMELTER, INDUSTRIAL	PM
2931130	Primary Lead - Slag Pour	SPECIATE 3.2	SLAG, LEAD, PRIMARY LEAD, SMELTER, INDUSTRIAL	PM

Profile Number	Name	Data Origin	Keyword	Profile Type
2933010	Primary Lead Smelting - Composite	SPECIATE 3.2	LEAD, PRIMARY LEAD, SMELTER, PRIMARY LEAD SMELTING, INDUSTRIAL	PM
2933030	Primary Lead Smelting - Composite	SPECIATE 3.2	LEAD, PRIMARY LEAD, SMELTER, PRIMARY LEAD SMELTING, INDUSTRIAL	PM
2950110	Secondary Copper Pyrometal - Cathode Charge	SPECIATE 3.2	CATHODE CHARGE, COPPER, SECONDARY PYROMETAL, INDUSTRIAL	PM
2950130	Secondary Copper Pyrometal - Cathode Charge	SPECIATE 3.2	CATHODE CHARGE, COPPER, SECONDARY PYROMETAL, INDUSTRIAL	PM
2950210	Secondary Copper Pyrometal - Regular Charge	SPECIATE 3.2	SMELTER, COPPER, SECONDARY COPPER PYROMETAL, INDUSTRIAL, SECONDARY COPPER	PM
2950230	Secondary Copper Pyrometal - Regular Charge	SPECIATE 3.2	SMELTER, COPPER, SECONDARY COPPER PYROMETAL, INDUSTRIAL, SECONDARY COPPER	PM
3110110	Light Duty Vehicles - Leaded	SPECIATE 3.2	LIGHT DUTY VEHICLES, LEADED GASOLINE COMBUSTION, GASOLINE COMBUSTION, VEHICLES	PM
3110130	Light Duty Vehicles - Leaded	SPECIATE 3.2	LIGHT DUTY VEHICLES, LEADED GASOLINE COMBUSTION, GASOLINE COMBUSTION, VEHICLES	PM
3110210	Heavy Duty Vehicles - Leaded	SPECIATE 3.2	GASOLINE COMBUSTION, LEADED GASOLINE COMBUSTION, VEHICLES, HEAVY DUTY VEHICLES	PM
3110230	Heavy Duty Vehicles - Leaded	SPECIATE 3.2	GASOLINE COMBUSTION, LEADED GASOLINE COMBUSTION, VEHICLES, HEAVY DUTY VEHICLES	PM
3110310	Light Duty Vehicles - Leaded	SPECIATE 3.2	LIGHT DUTY VEHICLES, LEADED GASOLINE COMBUSTION, GASOLINE COMBUSTION, VEHICLES	PM
3110330	Light Duty Vehicles - Leaded	SPECIATE 3.2	LIGHT DUTY VEHICLES, LEADED GASOLINE COMBUSTION, GASOLINE COMBUSTION, VEHICLES	PM
3110410	Light Duty Vehicles - Leaded	SPECIATE 3.2	LIGHT DUTY VEHICLES, LEADED GASOLINE COMBUSTION, GASOLINE COMBUSTION, VEHICLES	PM
3110430	Light Duty Vehicles - Leaded	SPECIATE 3.2	LIGHT DUTY VEHICLES, LEADED GASOLINE COMBUSTION, GASOLINE COMBUSTION, VEHICLES	PM
3110510	Light Duty Vehicles - Leaded Composite	SPECIATE 3.2	LIGHT DUTY VEHICLES, LEADED GASOLINE COMBUSTION, GASOLINE COMBUSTION, VEHICLES	PM
3110530	Light Duty Vehicles - Leaded Composite	SPECIATE 3.2	LIGHT DUTY VEHICLES, LEADED GASOLINE COMBUSTION, GASOLINE COMBUSTION, VEHICLES	PM
3110610	Light Duty Vehicle - Leaded	SPECIATE 3.2	GASOLINE COMBUSTION, LEADED/UNLEADED GASOLINE COMBUSTION, LIGHT DUTY VEHICLES, VEHICLES	PM
3110630	Light Duty Vehicle - Leaded	SPECIATE 3.2	GASOLINE COMBUSTION, LEADED/UNLEADED GASOLINE COMBUSTION, LIGHT DUTY VEHICLES, VEHICLES	PM
3110710	Light Duty Vehicle - With Catalyst	SPECIATE 3.2	GASOLINE COMBUSTION, CATALYST VEHICLES, LIGHT DUTY VEHICLES, VEHICLES	PM
3110730	Light Duty Vehicle - With Catalyst	SPECIATE 3.2	GASOLINE COMBUSTION, CATALYST VEHICLES, LIGHT DUTY VEHICLES, VEHICLES	PM
3110810	Light Duty Vehicle - Non-Catalyst	SPECIATE 3.2	GASOLINE COMBUSTION, NON-CATALYST VEHICLES, LIGHT DUTY VEHICLES, VEHICLES	PM
3110830	Light Duty Vehicle - Non-Catalyst	SPECIATE 3.2	GASOLINE COMBUSTION, NON-CATALYST VEHICLES, LIGHT DUTY VEHICLES, VEHICLES	PM
3120110	Light Duty Vehicles - Unleaded	SPECIATE 3.2	LIGHT DUTY VEHICLES, UNLEADED GASOLINE COMBUSTION, GASOLINE COMBUSTION, VEHICLES	PM
3120130	Light Duty Vehicles - Unleaded	SPECIATE 3.2	LIGHT DUTY VEHICLES, UNLEADED GASOLINE COMBUSTION, GASOLINE COMBUSTION, VEHICLES	PM
3120210	Light Duty Vehicles - Unleaded	SPECIATE 3.2	LIGHT DUTY VEHICLES, UNLEADED GASOLINE COMBUSTION, GASOLINE COMBUSTION, VEHICLES	PM
3120230	Light Duty Vehicles - Unleaded	SPECIATE 3.2	LIGHT DUTY VEHICLES, UNLEADED GASOLINE COMBUSTION, GASOLINE COMBUSTION, VEHICLES	PM
3120310	Light Duty Vehicles - Unleaded	SPECIATE 3.2	LIGHT DUTY VEHICLES, UNLEADED GASOLINE COMBUSTION, GASOLINE COMBUSTION, VEHICLES	PM
3120330	Light Duty Vehicles - Unleaded	SPECIATE 3.2	LIGHT DUTY VEHICLES, UNLEADED GASOLINE COMBUSTION, GASOLINE COMBUSTION, VEHICLES	PM
3123010	Light Duty Vehicles - Composite	SPECIATE 3.2	LIGHT DUTY VEHICLES, VEHICLES	PM
3123030	Light Duty Vehicles - Composite	SPECIATE 3.2	LIGHT DUTY VEHICLES, VEHICLES	PM
3210110	Light Duty Vehicles - Diesel	SPECIATE 3.2	DIESEL COMBUSTION, LIGHT DUTY VEHICLES, VEHICLES	PM
3210130	Light Duty Vehicles - Diesel	SPECIATE 3.2	DIESEL COMBUSTION, LIGHT DUTY VEHICLES, VEHICLES	PM
3210210	Light Duty Vehicles - Diesel	SPECIATE 3.2	DIESEL COMBUSTION, LIGHT DUTY VEHICLES, VEHICLES	PM
3210230	Light Duty Vehicles - Diesel	SPECIATE 3.2	DIESEL COMBUSTION, LIGHT DUTY VEHICLES, VEHICLES	PM
3210310	Light Duty Vehicles - Diesel	SPECIATE 3.2	DIESEL COMBUSTION, LIGHT DUTY VEHICLES, VEHICLES	PM
3210330	Light Duty Vehicles - Diesel	SPECIATE 3.2	DIESEL COMBUSTION, LIGHT DUTY VEHICLES, VEHICLES	PM
3210410	Light Duty Vehicles - Diesel Composite	SPECIATE 3.2	DIESEL COMBUSTION, LIGHT DUTY VEHICLES, VEHICLES	PM
3210430	Light Duty Vehicles - Diesel Composite	SPECIATE 3.2	DIESEL COMBUSTION, LIGHT DUTY VEHICLES, VEHICLES	PM
3220210	Heavy Duty Diesel	SPECIATE 3.2	DIESEL COMBUSTION, VEHICLES, HEAVY DUTY VEHICLES	PM
3220230	Heavy Duty Diesel	SPECIATE 3.2	DIESEL COMBUSTION, VEHICLES, HEAVY DUTY VEHICLES	PM
3220310	Heavy Duty Vehicles - Diesel	SPECIATE 3.2	DIESEL COMBUSTION, VEHICLES, HEAVY DUTY VEHICLES	PM
3220330	Heavy Duty Vehicles - Diesel	SPECIATE 3.2	DIESEL COMBUSTION, VEHICLES, HEAVY DUTY VEHICLES	PM
3220410	Heavy Duty Vehicles - Diesel	SPECIATE 3.2	DIESEL COMBUSTION, VEHICLES, HEAVY DUTY VEHICLES	PM
3220430	Heavy Duty Vehicles - Diesel	SPECIATE 3.2	DIESEL COMBUSTION, VEHICLES, HEAVY DUTY VEHICLES	PM
3220510	Diesel Vehicles - Las Vegas Valley (1987)	SPECIATE 3.2	DIESEL COMBUSTION, VEHICLES	PM
3220530	Diesel Vehicles - Las Vegas Valley (1987)	SPECIATE 3.2	DIESEL COMBUSTION, VEHICLES	PM
3220610	Heavy Duty Vehicles - Diesel Composite	SPECIATE 3.2	DIESEL COMBUSTION, VEHICLES, HEAVY DUTY VEHICLES	PM

Profile Number	Name	Data Origin	Keyword	Profile Type
3220630	Heavy Duty Vehicles - Diesel Composite	SPECIATE 3.2	DIESEL COMBUSTION, VEHICLES, HEAVY DUTY VEHICLES	PM
3220710	Heavy Duty Vehicles - Diesel	SPECIATE 3.2	DIESEL COMBUSTION, VEHICLES, HEAVY DUTY VEHICLES	PM
3220730	Heavy Duty Vehicles - Diesel	SPECIATE 3.2	DIESEL COMBUSTION, VEHICLES, HEAVY DUTY VEHICLES	PM
3220810	Heavy Duty Diesel Trucks	SPECIATE 3.2	DIESEL COMBUSTION, HEAVY DUTY VEHICLES	PM
3220830	Heavy Duty Diesel Trucks	SPECIATE 3.2	DIESEL COMBUSTION, HEAVY DUTY VEHICLES	PM
3300110	Leaded/unleaded Gasoline Composite - 1977	SPECIATE 3.2	GASOLINE COMBUSTION, LEADED/UNLEADED GASOLINE COMBUSTION, VEHICLES	PM
3300130	Leaded/unleaded Gasoline Composite - 1977	SPECIATE 3.2	GASOLINE COMBUSTION, LEADED/UNLEADED GASOLINE COMBUSTION, VEHICLES	PM
3300210	Transportation Composite - Medford, OR (1980)	SPECIATE 3.2	TRANSPORTATION COMPOSITE, VEHICLES, GASOLINE COMBUSTION, DIESEL COMBUSTION, LEADED/UNLEADED COMBUSTION, TIRE WEAR, ROADWAY	PM
3300230	Transportation Composite - Medford, OR (1980)	SPECIATE 3.2	TRANSPORTATION COMPOSITE, VEHICLES, GASOLINE COMBUSTION, DIESEL COMBUSTION, LEADED/UNLEADED COMBUSTION, TIRE WEAR, ROADWAY	PM
3300310	Transportation Composite - Portland, OR (1979)	SPECIATE 3.2	TRANSPORTATION COMPOSITE, VEHICLES, GASOLINE COMBUSTION, LEADED/UNLEADED COMBUSTION,	PM
3300330	Transportation Composite - Portland, OR (1979)	SPECIATE 3.2	TRANSPORTATION COMPOSITE, VEHICLES, GASOLINE COMBUSTION, LEADED/UNLEADED COMBUSTION,	PM
3300410	Transportation Composite	SPECIATE 3.2	TRANSPORTATION COMPOSITE, TIRE WEAR, VEHICLES	PM
3300430	Transportation Composite	SPECIATE 3.2	TRANSPORTATION COMPOSITE, TIRE WEAR, VEHICLES	PM
3300510	Transportation Composite	SPECIATE 3.2	TRANSPORTATION COMPOSITE, VEHICLES	PM
3300530	Transportation Composite	SPECIATE 3.2	TRANSPORTATION COMPOSITE, VEHICLES	PM
3300610	Transportation Composite	SPECIATE 3.2	TRANSPORTATION COMPOSITE, VEHICLES	PM
3300630	Transportation Composite	SPECIATE 3.2	TRANSPORTATION COMPOSITE, VEHICLES	PM
3300710	Transportation Composite	SPECIATE 3.2	TRANSPORTATION COMPOSITE, VEHICLES	PM
3300730	Transportation Composite	SPECIATE 3.2	TRANSPORTATION COMPOSITE, VEHICLES	PM
3300810	Transportation Composite	SPECIATE 3.2	TRANSPORTATION COMPOSITE, TIRE WEAR, VEHICLES, ASBESTOS BRAKES	PM
3300830	Transportation Composite	SPECIATE 3.2	TRANSPORTATION COMPOSITE, TIRE WEAR, VEHICLES, ASBESTOS BRAKES	PM
3300910	Transportation Composite	SPECIATE 3.2	TRANSPORTATION COMPOSITE, VEHICLES	PM
3300930	Transportation Composite	SPECIATE 3.2	TRANSPORTATION COMPOSITE, VEHICLES	PM
3301010	Gasoline Vehicles - Las Vegas Valley (1987)	SPECIATE 3.2	GASOLINE COMBUSTION, VEHICLES	PM
3301030	Gasoline Vehicles - Las Vegas Valley (1987)	SPECIATE 3.2	GASOLINE COMBUSTION, VEHICLES	PM
3301110	Highway Vehicles - Composite	SPECIATE 3.2	VEHICLES	PM
3301130	Highway Vehicles - Composite	SPECIATE 3.2	VEHICLES	PM
3302010	Transportation - Composite	SPECIATE 3.2	TRANSPORTATION COMPOSITE, VEHICLES	PM
3302030	Transportation - Composite	SPECIATE 3.2	TRANSPORTATION COMPOSITE, VEHICLES	PM
3400110	Jet Aircraft	SPECIATE 3.2	AIRCRAFT, JET AIRCRAFT	PM
3400130	Jet Aircraft	SPECIATE 3.2	AIRCRAFT, JET AIRCRAFT	PM
3400210	Tire Wear	SPECIATE 3.2	VEHICLES, TIRE WEAR	PM
3400230	Tire Wear	SPECIATE 3.2	VEHICLES, TIRE WEAR	PM
3400310	Tire Wear	SPECIATE 3.2	VEHICLES, TIRE WEAR	PM
3400330	Tire Wear	SPECIATE 3.2	VEHICLES, TIRE WEAR	PM
3400410	Brake Lining, Asbestos	SPECIATE 3.2	ASBESTOS BRAKES, BRAKE LINING, VEHICLES	PM
3400430	Brake Lining, Asbestos	SPECIATE 3.2	ASBESTOS BRAKES, BRAKE LINING, VEHICLES	PM
3400510	Motor Oil	SPECIATE 3.2	MOTOR OIL, VEHICLES	PM
3400530	Motor Oil	SPECIATE 3.2	MOTOR OIL, VEHICLES	PM
3400610	Semimetal Disk Brake Pads	SPECIATE 3.2	BRAKE PADS, SEMIMETAL BRAKE PADS, VEHICLES	PM
3400630	Semimetal Disk Brake Pads	SPECIATE 3.2	BRAKE PADS, SEMIMETAL BRAKE PADS, VEHICLES	PM
3400710	Organometallic Brake Dust	SPECIATE 3.2	BRAKE PADS, ORGANOMETALLIC BRAKE PADS, VEHICLES	PM
3400730	Organometallic Brake Dust	SPECIATE 3.2	BRAKE PADS, ORGANOMETALLIC BRAKE PADS, VEHICLES	PM
3400810	Tire Wear	SPECIATE 3.2	VEHICLES, TIRE WEAR	PM
3400830	Tire Wear	SPECIATE 3.2	VEHICLES, TIRE WEAR	PM

Profile Number	Name	Data Origin	Keyword	Profile Type
4110110	Paved Road Dust Missoula, Montana	SPECIATE 3.2	ROADWAY, PAVED ROAD, VEHICLES	PM
4110130	Paved Road Dust Missoula, Montana	SPECIATE 3.2	ROADWAY, PAVED ROAD, VEHICLES	PM
4110210	Paved Road Dust - Juneau, Alaska	SPECIATE 3.2	ROADWAY, PAVED ROAD, VEHICLES	PM
4110230	Paved Road Dust - Juneau, Alaska	SPECIATE 3.2	ROADWAY, PAVED ROAD, VEHICLES	PM
4110310	Paved Road Dust - Lewiston, Idaho	SPECIATE 3.2	ROADWAY, PAVED ROAD, VEHICLES	PM
4110330	Paved Road Dust - Lewiston, Idaho	SPECIATE 3.2	ROADWAY, PAVED ROAD, VEHICLES	PM
4110410	Paved Road Dust - Butte, Montana	SPECIATE 3.2	ROADWAY, PAVED ROAD, VEHICLES	PM
4110430	Paved Road Dust - Butte, Montana	SPECIATE 3.2	ROADWAY, PAVED ROAD, VEHICLES	PM
4110510	Paved Road Dust - East Helena, Montana	SPECIATE 3.2	ROADWAY, PAVED ROAD, VEHICLES	PM
4110530	Paved Road Dust - East Helena, Montana	SPECIATE 3.2	ROADWAY, PAVED ROAD, VEHICLES	PM
4110610	Paved Road Dust - Medford Or	SPECIATE 3.2	ROADWAY, PAVED ROAD, VEHICLES	PM
4110630	Paved Road Dust - Medford Or	SPECIATE 3.2	ROADWAY, PAVED ROAD, VEHICLES	PM
4110710	Paved Road Dust - Portland, OR	SPECIATE 3.2	ROADWAY, PAVED ROAD, VEHICLES	PM
4110730	Paved Road Dust - Portland, OR	SPECIATE 3.2	ROADWAY, PAVED ROAD, VEHICLES	PM
4110910	Paved Road Dust - Alabama	SPECIATE 3.2	ROADWAY, PAVED ROAD, VEHICLES	PM
4110930	Paved Road Dust - Alabama	SPECIATE 3.2	ROADWAY, PAVED ROAD, VEHICLES	PM
4111010	Paved Road Dust - Spokane, WA	SPECIATE 3.2	ROADWAY, PAVED ROAD, VEHICLES	PM
4111030	Paved Road Dust - Spokane, WA	SPECIATE 3.2	ROADWAY, PAVED ROAD, VEHICLES	PM
4111110	Paved Road Dust - Pasadena Freeway (CA)	SPECIATE 3.2	ROADWAY, PAVED ROAD, VEHICLES	PM
4111130	Paved Road Dust - Pasadena Freeway (CA)	SPECIATE 3.2	ROADWAY, PAVED ROAD, VEHICLES	PM
4111210	Paved Road Dust - Artesia Freeway (CA)	SPECIATE 3.2	ROADWAY, PAVED ROAD, VEHICLES	PM
4111230	Paved Road Dust - Artesia Freeway (CA)	SPECIATE 3.2	ROADWAY, PAVED ROAD, VEHICLES	PM
4111310	Paved Road Dust - Long Beach Blvd. (CA)	SPECIATE 3.2	ROADWAY, PAVED ROAD, VEHICLES	PM
4111330	Paved Road Dust - Long Beach Blvd. (CA)	SPECIATE 3.2	ROADWAY, PAVED ROAD, VEHICLES	PM
4111410	Paved Road Dust - Long Beach, CA	SPECIATE 3.2	ROADWAY, PAVED ROAD, VEHICLES	PM
4111430	Paved Road Dust - Long Beach, CA	SPECIATE 3.2	ROADWAY, PAVED ROAD, VEHICLES	PM
4111510	Paved Road Dust - La Cienega Blvd. (CA)	SPECIATE 3.2	ROADWAY, PAVED ROAD, VEHICLES	PM
4111530	Paved Road Dust - La Cienega Blvd. (CA)	SPECIATE 3.2	ROADWAY, PAVED ROAD, VEHICLES	PM
4111610	Paved Road Dust - Hawthorne, CA	SPECIATE 3.2	ROADWAY, PAVED ROAD, VEHICLES	PM
4111630	Paved Road Dust - Hawthorne, CA	SPECIATE 3.2	ROADWAY, PAVED ROAD, VEHICLES	PM
4111710	Paved Road Dust - Victory Blvd. (CA)	SPECIATE 3.2	ROADWAY, PAVED ROAD, VEHICLES	PM
4111730	Paved Road Dust - Victory Blvd. (CA)	SPECIATE 3.2	ROADWAY, PAVED ROAD, VEHICLES	PM
4111810	Paved Road Dust - Burbank, CA	SPECIATE 3.2	ROADWAY, PAVED ROAD, VEHICLES	PM
4111830	Paved Road Dust - Burbank, CA	SPECIATE 3.2	ROADWAY, PAVED ROAD, VEHICLES	PM
4111910	Paved Road Dust - North Main St., Los Angeles, CA	SPECIATE 3.2	ROADWAY, PAVED ROAD, VEHICLES	PM
4111930	Paved Road Dust - North Main St., Los Angeles, CA	SPECIATE 3.2	ROADWAY, PAVED ROAD, VEHICLES	PM
4112010	Paved Road Dust - Los Angeles, CA	SPECIATE 3.2	ROADWAY, PAVED ROAD, VEHICLES	PM
4112030	Paved Road Dust - Los Angeles, CA	SPECIATE 3.2	ROADWAY, PAVED ROAD, VEHICLES	PM
4112110	Paved Road Dust - South Harbor Blvd., Anaheim, CA	SPECIATE 3.2	ROADWAY, PAVED ROAD, VEHICLES	PM
4112130	Paved Road Dust - South Harbor Blvd., Anaheim, CA	SPECIATE 3.2	ROADWAY, PAVED ROAD, VEHICLES	PM
4112210	Paved Road Dust - Anaheim, CA	SPECIATE 3.2	ROADWAY, PAVED ROAD, VEHICLES	PM
4112230	Paved Road Dust - Anaheim, CA	SPECIATE 3.2	ROADWAY, PAVED ROAD, VEHICLES	PM
4112310	Paved Road Dust - Riverside, CA	SPECIATE 3.2	ROADWAY, PAVED ROAD, VEHICLES	PM
4112330	Paved Road Dust - Riverside, CA	SPECIATE 3.2	ROADWAY, PAVED ROAD, VEHICLES	PM
4112410	Paved Road Dust - Sepulveda Tunnel, Los Angeles, CA	SPECIATE 3.2	ROADWAY, PAVED ROAD, VEHICLES	PM
4112430	Paved Road Dust - Sepulveda Tunnel, Los Angeles, CA	SPECIATE 3.2	ROADWAY, PAVED ROAD, VEHICLES	PM
4113010	Paved Road Dust - Composite	SPECIATE 3.2	ROADWAY, PAVED ROAD, VEHICLES	PM

Profile Number	Name	Data Origin	Keyword	Profile Type
4113030	Paved Road Dust - Composite	SPECIATE 3.2	ROADWAY, PAVED ROAD, VEHICLES	PM
4113110	Paved Road Dust - Freeway Composite	SPECIATE 3.2	ROADWAY, PAVED ROAD, VEHICLES	PM
4113130	Paved Road Dust - Freeway Composite	SPECIATE 3.2	ROADWAY, PAVED ROAD, VEHICLES	PM
4113210	Paved Road Dust - Composite-Long Beach, CA	SPECIATE 3.2	ROADWAY, PAVED ROAD, VEHICLES	PM
4113230	Paved Road Dust - Composite-Long Beach, CA	SPECIATE 3.2	ROADWAY, PAVED ROAD, VEHICLES	PM
4113310	Paved Road Dust - Hawthorne Composite	SPECIATE 3.2	ROADWAY, PAVED ROAD, VEHICLES	PM
4113330	Paved Road Dust - Hawthorne Composite	SPECIATE 3.2	ROADWAY, PAVED ROAD, VEHICLES	PM
4113410	Paved Road Dust - Burbank Composite	SPECIATE 3.2	ROADWAY, PAVED ROAD, VEHICLES	PM
4113430	Paved Road Dust - Burbank Composite	SPECIATE 3.2	ROADWAY, PAVED ROAD, VEHICLES	PM
4113510	Paved Road Dust - Los Angeles Composite	SPECIATE 3.2	ROADWAY, PAVED ROAD, VEHICLES	PM
4113530	Paved Road Dust - Los Angeles Composite	SPECIATE 3.2	ROADWAY, PAVED ROAD, VEHICLES	PM
4113610	Paved Road Dust - Anaheim Composite	SPECIATE 3.2	ROADWAY, PAVED ROAD, VEHICLES	PM
4113630	Paved Road Dust - Anaheim Composite	SPECIATE 3.2	ROADWAY, PAVED ROAD, VEHICLES	PM
4113710	Paved Road Dust - Scab Composite	SPECIATE 3.2	ROADWAY, PAVED ROAD, VEHICLES	PM
4113730	Paved Road Dust - Scab Composite	SPECIATE 3.2	ROADWAY, PAVED ROAD, VEHICLES	PM
4113810	Paved Road Dust - Pocatello, Idaho	SPECIATE 3.2	ROADWAY, PAVED ROAD, VEHICLES	PM
4113830	Paved Road Dust - Pocatello, Idaho	SPECIATE 3.2	ROADWAY, PAVED ROAD, VEHICLES	PM
4113910	Paved Road Dust - Pocatello, Idaho	SPECIATE 3.2	ROADWAY, PAVED ROAD, VEHICLES	PM
4113930	Paved Road Dust - Pocatello, Idaho	SPECIATE 3.2	ROADWAY, PAVED ROAD, VEHICLES	PM
4114010	Paved Road Dust - Pocatello, Idaho	SPECIATE 3.2	ROADWAY, PAVED ROAD, VEHICLES	PM
4114030	Paved Road Dust - Pocatello, Idaho	SPECIATE 3.2	ROADWAY, PAVED ROAD, VEHICLES	PM
4114110	Paved Road Dust - Pocatello, Idaho	SPECIATE 3.2	ROADWAY, PAVED ROAD, VEHICLES	PM
4114130	Paved Road Dust - Pocatello, Idaho	SPECIATE 3.2	ROADWAY, PAVED ROAD, VEHICLES	PM
4114210	Paved Road Dust - Pasadena CA	SPECIATE 3.2	ROADWAY, PAVED ROAD, VEHICLES	PM
4114230	Paved Road Dust - Pasadena CA	SPECIATE 3.2	ROADWAY, PAVED ROAD, VEHICLES	PM
4120110	Unpaved Road Dust (Copper Mine)	SPECIATE 3.2	COPPER MINING, ROADWAY, UNPAVED ROAD, VEHICLES	PM
4120130	Unpaved Road Dust (Copper Mine)	SPECIATE 3.2	COPPER MINING, ROADWAY, UNPAVED ROAD, VEHICLES	PM
4120310	Unpaved Road Dust - Haul Road	SPECIATE 3.2	ROADWAY, UNPAVED ROAD, VEHICLES	PM
4120330	Unpaved Road Dust - Haul Road	SPECIATE 3.2	ROADWAY, UNPAVED ROAD, VEHICLES	PM
4120410	Unpaved Road Dust - East Helena, Montana	SPECIATE 3.2	ROADWAY, UNPAVED ROAD, VEHICLES	PM
4120430	Unpaved Road Dust - East Helena, Montana	SPECIATE 3.2	ROADWAY, UNPAVED ROAD, VEHICLES	PM
4120510	Unpaved Road Dust - Riverside, CA	SPECIATE 3.2	ROADWAY, UNPAVED ROAD, VEHICLES	PM
4120530	Unpaved Road Dust - Riverside, CA	SPECIATE 3.2	ROADWAY, UNPAVED ROAD, VEHICLES	PM
4120610	Ore And Road Dust Fugitives - Pocatello, Idaho	SPECIATE 3.2	ROADWAY, ORE DUST, VEHICLES	PM
4120630	Ore And Road Dust Fugitives - Pocatello, Idaho	SPECIATE 3.2	ROADWAY, ORE DUST, VEHICLES	PM
4120710	Unpaved Road Dust - Pocatello, Idaho	SPECIATE 3.2	ROADWAY, UNPAVED ROAD, VEHICLES	PM
4120730	Unpaved Road Dust - Pocatello, Idaho	SPECIATE 3.2	ROADWAY, UNPAVED ROAD, VEHICLES	PM
4122010	Unpaved Road Dust - Composite	SPECIATE 3.2	ROADWAY, UNPAVED ROAD, VEHICLES	PM
4122030	Unpaved Road Dust - Composite	SPECIATE 3.2	ROADWAY, UNPAVED ROAD, VEHICLES	PM
4130110	Soil Dust - Des Moines, IA	SPECIATE 3.2	SOIL DUST	PM
4130130	Soil Dust - Des Moines, IA	SPECIATE 3.2	SOIL DUST	PM
4130210	Soil Dust - Seattle, WA	SPECIATE 3.2	SOIL DUST	PM
4130230	Soil Dust - Seattle, WA	SPECIATE 3.2	SOIL DUST	PM
4130310	Soil Dust - Visalia, CA	SPECIATE 3.2	SOIL DUST	PM
4130330	Soil Dust - Visalia, CA	SPECIATE 3.2	SOIL DUST	PM
4130410	Soil Dust - South Bend, Indiana	SPECIATE 3.2	SOIL DUST	PM
4130430	Soil Dust - South Bend, Indiana	SPECIATE 3.2	SOIL DUST	PM



Profile Number	Name	Data Origin	Keyword	Profile Type
4130510	Soil Dust - Houston, TX	SPECIATE 3.2	SOIL DUST	PM
4130530	Soil Dust - Houston, TX	SPECIATE 3.2	SOIL DUST	PM
4130610	Soil Dust - East Helena, Montana	SPECIATE 3.2	SOIL DUST	PM
4130630	Soil Dust - East Helena, Montana	SPECIATE 3.2	SOIL DUST	PM
4130710	Soil Dust - Idaho	SPECIATE 3.2	SOIL DUST	PM
4130730	Soil Dust - Idaho	SPECIATE 3.2	SOIL DUST	PM
4130810	Soil Dust - Creston, Iowa	SPECIATE 3.2	SOIL DUST	PM
4130830	Soil Dust - Creston, Iowa	SPECIATE 3.2	SOIL DUST	PM
4130910	Soil Dust - Council Bluffs, Iowa	SPECIATE 3.2	SOIL DUST	PM
4130930	Soil Dust - Council Bluffs, Iowa	SPECIATE 3.2	SOIL DUST	PM
4131010	Soil Dust - Sioux City, Iowa	SPECIATE 3.2	SOIL DUST	PM
4131030	Soil Dust - Sioux City, Iowa	SPECIATE 3.2	SOIL DUST	PM
4131110	Soil Dust - Cedar Rapids, Iowa	SPECIATE 3.2	SOIL DUST	PM
4131130	Soil Dust - Cedar Rapids, Iowa	SPECIATE 3.2	SOIL DUST	PM
4131210	Soil Dust - Davenport, Iowa	SPECIATE 3.2	SOIL DUST	PM
4131230	Soil Dust - Davenport, Iowa	SPECIATE 3.2	SOIL DUST	PM
4131310	Soil Dust - Spokane, WA	SPECIATE 3.2	SOIL DUST	PM
4131330	Soil Dust - Spokane, WA	SPECIATE 3.2	SOIL DUST	PM
4131410	Soil Dust - Boise, Idaho	SPECIATE 3.2	SOIL DUST	PM
4131430	Soil Dust - Boise, Idaho	SPECIATE 3.2	SOIL DUST	PM
4131510	Soil Dust - Bakersfield, CA	SPECIATE 3.2	SOIL DUST	PM
4131530	Soil Dust - Bakersfield, CA	SPECIATE 3.2	SOIL DUST	PM
4131610	Soil Dust - Pasadena, CA	SPECIATE 3.2	SOIL DUST	PM
4131630	Soil Dust - Pasadena, CA	SPECIATE 3.2	SOIL DUST	PM
4131810	Soil Dust - Medford, OR	SPECIATE 3.2	SOIL DUST	PM
4131830	Soil Dust - Medford, OR	SPECIATE 3.2	SOIL DUST	PM
4131910	Soil Dust - Portland OR	SPECIATE 3.2	SOIL DUST	PM
4131930	Soil Dust - Portland OR	SPECIATE 3.2	SOIL DUST	PM
4132010	Soil Dust - Alabama	SPECIATE 3.2	SOIL DUST	PM
4132030	Soil Dust - Alabama	SPECIATE 3.2	SOIL DUST	PM
4132110	Soil Dust - Laurel Md	SPECIATE 3.2	SOIL DUST	PM
4132130	Soil Dust - Laurel Md	SPECIATE 3.2	SOIL DUST	PM
4132210	Soil Dust - Washington, D.C. Area	SPECIATE 3.2	SOIL DUST	PM
4132230	Soil Dust - Washington, D.C. Area	SPECIATE 3.2	SOIL DUST	PM
4132310	Soil Dust - Riverside, CA	SPECIATE 3.2	SOIL DUST	PM
4132330	Soil Dust - Riverside, CA	SPECIATE 3.2	SOIL DUST	PM
4132410	Soil Dust - Hawthorne, CA	SPECIATE 3.2	SOIL DUST	PM
4132430	Soil Dust - Hawthorne, CA	SPECIATE 3.2	SOIL DUST	PM
4132510	Soil Dust - Medford, Oregon	SPECIATE 3.2	SOIL DUST	PM
4132530	Soil Dust - Medford, Oregon	SPECIATE 3.2	SOIL DUST	PM
4132610	Soil Dust - Bend, Oregon	SPECIATE 3.2	SOIL DUST	PM
4132630	Soil Dust - Bend, Oregon	SPECIATE 3.2	SOIL DUST	PM
4132710	Soil Dust - Klamath Falls, Oregon	SPECIATE 3.2	SOIL DUST	PM
4132730	Soil Dust - Klamath Falls, Oregon	SPECIATE 3.2	SOIL DUST	PM
4132810	Soil Dust - Grant's Pass, Oregon	SPECIATE 3.2	SOIL DUST	PM
4132830	Soil Dust - Grant's Pass, Oregon	SPECIATE 3.2	SOIL DUST	PM
4132910	Soil Dust - Eugene, Oregon	SPECIATE 3.2	SOIL DUST	PM

Profile Number	Name	Data Origin	Keyword	Profile Type
4132930	Soil Dust - Eugene, Oregon	SPECIATE 3.2	SOIL DUST	PM
4133010	Soil Dust - Lagrande, Oregon	SPECIATE 3.2	SOIL DUST	PM
4133030	Soil Dust - Lagrande, Oregon	SPECIATE 3.2	SOIL DUST	PM
4133110	Soil Dust - Springfield, Oregon	SPECIATE 3.2	SOIL DUST	PM
4133130	Soil Dust - Springfield, Oregon	SPECIATE 3.2	SOIL DUST	PM
4135010	Soil Dust - Composite	SPECIATE 3.2	SOIL DUST	PM
4135030	Soil Dust - Composite	SPECIATE 3.2	SOIL DUST	PM
4135110	Soil Dust - Scab Composite	SPECIATE 3.2	SOIL DUST	PM
4135130	Soil Dust - Scab Composite	SPECIATE 3.2	SOIL DUST	PM
4135210	Soil Dust - Pocatello, Idaho	SPECIATE 3.2	SOIL DUST	PM
4135230	Soil Dust - Pocatello, Idaho	SPECIATE 3.2	SOIL DUST	PM
4135310	Soil Dust - Oregon Composite	SPECIATE 3.2	SOIL DUST	PM
4135330	Soil Dust - Oregon Composite	SPECIATE 3.2	SOIL DUST	PM
4140110	Road Sand And Salt Mixture	SPECIATE 3.2	ROADWAY, ROAD SAND, ROAD SALT, VEHICLES	PM
4140130	Road Sand And Salt Mixture	SPECIATE 3.2	ROADWAY, ROAD SAND, ROAD SALT, VEHICLES	PM
4150010	Vegetative Detritus	SPECIATE 3.2	VEGITATIVE DETRITUS	PM
4150030	Vegetative Detritus	SPECIATE 3.2	VEGITATIVE DETRITUS	PM
4210110	Wood Stoves - Pine Fuel	SPECIATE 3.2	PINE COMBUSTION, WOOD COMBUSTION, WOOD STOVE	PM
4210130	Wood Stoves - Pine Fuel	SPECIATE 3.2	PINE COMBUSTION, WOOD COMBUSTION, WOOD STOVE	PM
4210210	Wood Stoves - Average, All Fuels	SPECIATE 3.2	WOOD STOVE, WOOD COMBUSTION	PM
4210230	Wood Stoves - Average, All Fuels	SPECIATE 3.2	WOOD STOVE, WOOD COMBUSTION	PM
4210310	Wood Stoves - Oak Fuel	SPECIATE 3.2	OAK COMBUSTION, WOOD COMBUSTION, WOOD STOVE	PM
4210330	Wood Stoves - Oak Fuel	SPECIATE 3.2	OAK COMBUSTION, WOOD COMBUSTION, WOOD STOVE	PM
4210410	Residential Woodstove - Medford, Oregon	SPECIATE 3.2	WOOD COMBUSTION, WOOD STOVE	PM
4210430	Residential Woodstove - Medford, Oregon	SPECIATE 3.2	WOOD COMBUSTION, WOOD STOVE	PM
4210510	Residential Woodstove - Pocatello, Idaho	SPECIATE 3.2	WOOD COMBUSTION, WOOD STOVE	PM
4210530	Residential Woodstove - Pocatello, Idaho	SPECIATE 3.2	WOOD COMBUSTION, WOOD STOVE	PM
4210610	Residential Woodstove - Portland / Seattle	SPECIATE 3.2	WOOD COMBUSTION, WOOD STOVE	PM
4210630	Residential Woodstove - Portland / Seattle	SPECIATE 3.2	WOOD COMBUSTION, WOOD STOVE	PM
4210710	Natural Gas Home Appliances	SPECIATE 3.2	NATURAL GAS COMBUSTION, NATURAL GAS HOME APPLIANCE	PM
4210730	Natural Gas Home Appliances	SPECIATE 3.2	NATURAL GAS COMBUSTION, NATURAL GAS HOME APPLIANCE	PM
4220110	Fireplaces - Softwoods	SPECIATE 3.2	FIREPLACES, SOFTWOOD COMBUSTION, WOOD COMBUSTION	PM
4220130	Fireplaces - Softwoods	SPECIATE 3.2	FIREPLACES, SOFTWOOD COMBUSTION, WOOD COMBUSTION	PM
4220210	Fireplaces - Hardwoods	SPECIATE 3.2	FIREPLACES, HARDWOOD COMBUSTION, WOOD COMBUSTION	PM
4220230	Fireplaces - Hardwoods	SPECIATE 3.2	FIREPLACES, HARDWOOD COMBUSTION, WOOD COMBUSTION	PM
4220310	Fireplaces - Softwoods	SPECIATE 3.2	FIREPLACES, SOFTWOOD COMBUSTION, WOOD COMBUSTION	PM
4220330	Fireplaces - Softwoods	SPECIATE 3.2	FIREPLACES, SOFTWOOD COMBUSTION, WOOD COMBUSTION	PM
4220410	Fireplaces - Hardwoods	SPECIATE 3.2	FIREPLACES, HARDWOOD COMBUSTION, WOOD COMBUSTION	PM
4220430	Fireplaces - Hardwoods	SPECIATE 3.2	FIREPLACES, HARDWOOD COMBUSTION, WOOD COMBUSTION	PM
4220510	Fireplaces - Synthetic Logs	SPECIATE 3.2	FIREPLACES, SYNTHETIC LOGS COMBUSTION, WOOD COMBUSTION	PM
4220530	Fireplaces - Synthetic Logs	SPECIATE 3.2	FIREPLACES, SYNTHETIC LOGS COMBUSTION, WOOD COMBUSTION	PM
4230110	Slash Burning	SPECIATE 3.2	WOOD COMBUSTION, SLASH BURNING	PM
4230130	Slash Burning	SPECIATE 3.2	WOOD COMBUSTION, SLASH BURNING	PM
4230210	Slash Burning	SPECIATE 3.2	WOOD COMBUSTION, SLASH BURNING	PM
4230230	Slash Burning	SPECIATE 3.2	WOOD COMBUSTION, SLASH BURNING	PM
4230310	Residential Wood Combustion - Composite	SPECIATE 3.2	WOOD COMBUSTION, WOOD STOVE, FIREPLACES	PM
4230330	Residential Wood Combustion - Composite	SPECIATE 3.2	WOOD COMBUSTION, WOOD STOVE, FIREPLACES	PM

Profile Number	Name	Data Origin	Keyword	Profile Type
4230410	Agricultural Field Burning	SPECIATE 3.2	FIELD BURNING	PM
4230430	Agricultural Field Burning	SPECIATE 3.2	FIELD BURNING	PM
4230510	Slash Burning (Conifer-Flaming Phase)	SPECIATE 3.2	WOOD COMBUSTION, SLASH BURNING	PM
4230530	Slash Burning (Conifer-Flaming Phase)	SPECIATE 3.2	WOOD COMBUSTION, SLASH BURNING	PM
4230610	Slash Burning (Conifer-Smoldering Phase)	SPECIATE 3.2	WOOD COMBUSTION, SLASH BURNING	PM
4230630	Slash Burning (Conifer-Smoldering Phase)	SPECIATE 3.2	WOOD COMBUSTION, SLASH BURNING	PM
4230710	Slash Burning (Hardwood-Flaming Phase)	SPECIATE 3.2	WOOD COMBUSTION, SLASH BURNING	PM
4230730	Slash Burning (Hardwood-Flaming Phase)	SPECIATE 3.2	WOOD COMBUSTION, SLASH BURNING	PM
4230810	Slash Burning (Hardwood-Smoldering Phase)	SPECIATE 3.2	WOOD COMBUSTION, SLASH BURNING	PM
4230830	Slash Burning (Hardwood-Smoldering Phase)	SPECIATE 3.2	WOOD COMBUSTION, SLASH BURNING	PM
4230910	Slash Burning (Ponderosa Pine-Flaming Phase)	SPECIATE 3.2	WOOD COMBUSTION, SLASH BURNING	PM
4230930	Slash Burning (Ponderosa Pine-Flaming Phase)	SPECIATE 3.2	WOOD COMBUSTION, SLASH BURNING	PM
4231010	Slash Burning (Ponderosa Pine-Smoldering Phase)	SPECIATE 3.2	WOOD COMBUSTION, SLASH BURNING	PM
4231030	Slash Burning (Ponderosa Pine-Smoldering Phase)	SPECIATE 3.2	WOOD COMBUSTION, SLASH BURNING	PM
4231110	Slash Burning (Tractor-Piled; Flaming Phase)	SPECIATE 3.2	WOOD COMBUSTION, SLASH BURNING	PM
4231130	Slash Burning (Tractor-Piled; Flaming Phase)	SPECIATE 3.2	WOOD COMBUSTION, SLASH BURNING	PM
4231210	Slash Burning (Tractor-Piled; Smoldering Phase)	SPECIATE 3.2	WOOD COMBUSTION, SLASH BURNING	PM
4231230	Slash Burning (Tractor-Piled; Smoldering Phase)	SPECIATE 3.2	WOOD COMBUSTION, SLASH BURNING	PM
4231310	Slash Burning (Crane-Piled; Flaming Phase)	SPECIATE 3.2	WOOD COMBUSTION, SLASH BURNING	PM
4231330	Slash Burning (Crane-Piled; Flaming Phase)	SPECIATE 3.2	WOOD COMBUSTION, SLASH BURNING	PM
4231410	Slash Burning (Crane-Piled; Smoldering Phase)	SPECIATE 3.2	WOOD COMBUSTION, SLASH BURNING	PM
4231430	Slash Burning (Crane-Piled; Smoldering Phase)	SPECIATE 3.2	WOOD COMBUSTION, SLASH BURNING	PM
4231510	Slash Burning (Chaparral; Flaming Phase)	SPECIATE 3.2	WOOD COMBUSTION, SLASH BURNING	PM
4231530	Slash Burning (Chaparral; Flaming Phase)	SPECIATE 3.2	WOOD COMBUSTION, SLASH BURNING	PM
4231610	Slash Burning (Chaparral; Smoldering Phase)	SPECIATE 3.2	WOOD COMBUSTION, SLASH BURNING	PM
4231630	Slash Burning (Chaparral; Smoldering Phase)	SPECIATE 3.2	WOOD COMBUSTION, SLASH BURNING	PM
4231710	Wood Combustion - Las Vegas Valley (1987)	SPECIATE 3.2	WOOD COMBUSTION, WOOD STOVE, FIREPLACES	PM
4231730	Wood Combustion - Las Vegas Valley (1987)	SPECIATE 3.2	WOOD COMBUSTION, WOOD STOVE, FIREPLACES	PM
4231810	Residential Wood Combustion	SPECIATE 3.2	WOOD COMBUSTION, WOOD STOVE, FIREPLACES	PM
4231830	Residential Wood Combustion	SPECIATE 3.2	WOOD COMBUSTION, WOOD STOVE, FIREPLACES	PM
4231910	Residential Wood Combustion Composite	SPECIATE 3.2	WOOD COMBUSTION, WOOD STOVE, FIREPLACES	PM
4231930	Residential Wood Combustion Composite	SPECIATE 3.2	WOOD COMBUSTION, WOOD STOVE, FIREPLACES	PM
4232010	Field Burning - Composite	SPECIATE 3.2	FIELD BURNING	PM
4232030	Field Burning - Composite	SPECIATE 3.2	FIELD BURNING	PM
4232110	Forest Prescribed Burning - Broadcast Conifer	SPECIATE 3.2	WOOD COMBUSTION, PRESCRIBED BURN	PM
4232130	Forest Prescribed Burning - Broadcast Conifer	SPECIATE 3.2	WOOD COMBUSTION, PRESCRIBED BURN	PM
4232210	Field Burning - Annual Rye Grass	SPECIATE 3.2	FIELD BURNING	PM
4232230	Field Burning - Annual Rye Grass	SPECIATE 3.2	FIELD BURNING	PM
4232310	Field Burning - Perennial Rye Grass	SPECIATE 3.2	FIELD BURNING	PM
4232330	Field Burning - Perennial Rye Grass	SPECIATE 3.2	FIELD BURNING	PM
4232410	Field Burning - Fescue	SPECIATE 3.2	FIELD BURNING	PM
4232430	Field Burning - Fescue	SPECIATE 3.2	FIELD BURNING	PM
4233010	Composite of Residential Wood Burning Sources	SPECIATE 3.2	WOOD COMBUSTION, WOOD STOVE, FIREPLACES	PM
4233030	Composite of Residential Wood Burning Sources	SPECIATE 3.2	WOOD COMBUSTION, WOOD STOVE, FIREPLACES	PM
4233110	Residential Woodstove Composite	SPECIATE 3.2	WOOD COMBUSTION, WOOD STOVE	PM
4233130	Residential Woodstove Composite	SPECIATE 3.2	WOOD COMBUSTION, WOOD STOVE	PM
4310110	Marine Aerosol	SPECIATE 3.2	MARINE AEROSOL	PM

Profile Number	Name	Data Origin	Keyword	Profile Type
4310130	Marine Aerosol	SPECIATE 3.2	MARINE AEROSOL	PM
4320110	Residential Space Heating - Coal	SPECIATE 3.2	COAL COMBUSTION, SPACE HEATING	PM
4320130	Residential Space Heating - Coal	SPECIATE 3.2	COAL COMBUSTION, SPACE HEATING	PM
4330110	Volcanic Ash	SPECIATE 3.2	VOLCANIC ASH	PM
4330130	Volcanic Ash	SPECIATE 3.2	VOLCANIC ASH	PM
4330210	Orchard Heating - Smudge Pots	SPECIATE 3.2	ORCHARD HEATING, SMUDGE POTS	PM
4330230	Orchard Heating - Smudge Pots	SPECIATE 3.2	ORCHARD HEATING, SMUDGE POTS	PM
4330310	Coal-Fired Power Utility Fly Ash (Srm 1633)	SPECIATE 3.2	COAL COMBUSTION, UTILITY, POWER PLANT, ELECTRIC GENERATION, FLY ASH	PM
4330330	Coal-Fired Power Utility Fly Ash (Srm 1633)	SPECIATE 3.2	COAL COMBUSTION, UTILITY, POWER PLANT, ELECTRIC GENERATION, FLY ASH	PM
4330410	Limestone, Crustal	SPECIATE 3.2	CRUSTAL, LIMESTONE, CRUSTAL	PM
4330430	Limestone, Crustal	SPECIATE 3.2	CRUSTAL, LIMESTONE, CRUSTAL	PM
4330510	Shale, Crustal	SPECIATE 3.2	CRUSTAL, SHALE, CRUSTAL	PM
4330530	Shale, Crustal	SPECIATE 3.2	CRUSTAL, SHALE, CRUSTAL	PM
4330610	Sandstone, Crustal	SPECIATE 3.2	CRUSTAL, SANDSTONE, CRUSTAL	PM
4330630	Sandstone, Crustal	SPECIATE 3.2	CRUSTAL, SANDSTONE, CRUSTAL	PM
4330710	Sediment, Crustal	SPECIATE 3.2	CRUSTAL, SEDIMENT, CRUSTAL	PM
4330730	Sediment, Crustal	SPECIATE 3.2	CRUSTAL, SEDIMENT, CRUSTAL	PM
4330810	Igneous Rock	SPECIATE 3.2	IGNEOUS ROCK	PM
4330830	Igneous Rock	SPECIATE 3.2	IGNEOUS ROCK	PM
4330910	Earth's Crust	SPECIATE 3.2	CRUSTAL	PM
4330930	Earth's Crust	SPECIATE 3.2	CRUSTAL	PM
4410110	Excavation - El Segundo, CA	SPECIATE 3.2	EXCAVATION, SOIL DUST	PM
4410130	Excavation - El Segundo, CA	SPECIATE 3.2	EXCAVATION, SOIL DUST	PM
4410210	Excavation - Haul Road	SPECIATE 3.2	EXCAVATION, SOIL DUST	PM
4410230	Excavation - Haul Road	SPECIATE 3.2	EXCAVATION, SOIL DUST	PM
4410310	Excavation - Rock Crushing	SPECIATE 3.2	ROCK CRUSHING, SOIL DUST, EXCAVATION	PM
4410330	Excavation - Rock Crushing	SPECIATE 3.2	ROCK CRUSHING, SOIL DUST, EXCAVATION	PM
4410410	Soil Dust - Sandblasting & Plastering	SPECIATE 3.2	PLASTERING, SANDBLASTING, SOIL DUST	PM
4410430	Soil Dust - Sandblasting & Plastering	SPECIATE 3.2	PLASTERING, SANDBLASTING, SOIL DUST	PM
9000110	Solid Waste - Average	SPECIATE 3.2	SOLID WASTE	PM
9000130	Solid Waste - Average	SPECIATE 3.2	SOLID WASTE	PM
9000210	Chemical Manufacturing - Average	SPECIATE 3.2	INDUSTRIAL, CHEMICAL MANUFACTURING	PM
9000230	Chemical Manufacturing - Average	SPECIATE 3.2	INDUSTRIAL, CHEMICAL MANUFACTURING	PM
9000310	Food And Agriculture - Average	SPECIATE 3.2	FOOD AND AGRICULTURE, INDUSTRIAL	PM
9000330	Food And Agriculture - Average	SPECIATE 3.2	FOOD AND AGRICULTURE, INDUSTRIAL	PM
9000410	Steel Production - Average	SPECIATE 3.2	STEEL, STEEL PRODUCTION, INDUSTRIAL	PM
9000430	Steel Production - Average	SPECIATE 3.2	STEEL, STEEL PRODUCTION, INDUSTRIAL	PM
9000510	Lead Smelters - Average	SPECIATE 3.2	LEAD, SMELTER, LEAD SMELTER, INDUSTRIAL	PM
9000530	Lead Smelters - Average	SPECIATE 3.2	LEAD, SMELTER, LEAD SMELTER, INDUSTRIAL	PM
9000610	Metal Mining - General Processes - Average	SPECIATE 3.2	METAL, MINING, METAL MINING	PM
9000630	Metal Mining - General Processes - Average	SPECIATE 3.2	METAL, MINING, METAL MINING	PM
9000710	Primary Metal Production - Average	SPECIATE 3.2	METAL, PRIMARY METAL, PRIMARY METAL PRODUCTION, INDUSTRIAL	PM
9000730	Primary Metal Production - Average	SPECIATE 3.2	METAL, PRIMARY METAL, PRIMARY METAL PRODUCTION, INDUSTRIAL	PM
9000810	Secondary Metal Production - Average	SPECIATE 3.2	METAL, SECONDARY METAL, SECONDARY METAL PRODUCTION, INDUSTRIAL	PM
9000830	Secondary Metal Production - Average	SPECIATE 3.2	METAL, SECONDARY METAL, SECONDARY METAL PRODUCTION, INDUSTRIAL	PM
9000910	Secondary Aluminum - Average	SPECIATE 3.2	ALUMINUM, SECONDARY ALUMINUM, INDUSTRIAL	PM
9000930	Secondary Aluminum - Average	SPECIATE 3.2	ALUMINUM, SECONDARY ALUMINUM, INDUSTRIAL	PM

Profile Number	Name	Data Origin	Keyword	Profile Type
9001010	Gray Iron Foundries - Average	SPECIATE 3.2	GRAY IRON, FOUNDRY, GRAY IRON FOUNDRY, INDUSTRIAL	PM
9001030	Gray Iron Foundries - Average	SPECIATE 3.2	GRAY IRON, FOUNDRY, GRAY IRON FOUNDRY, INDUSTRIAL	PM
9001110	Steel Foundry - General	SPECIATE 3.2	FOUNDRY, STEEL, STEEL FOUNDRY, INDUSTRIAL	PM
9001130	Steel Foundry - General	SPECIATE 3.2	FOUNDRY, STEEL, STEEL FOUNDRY, INDUSTRIAL	PM
9001210	Clay And Fly Ash Sintering - Average	SPECIATE 3.2	CLAY AND FLY ASH SINTERING, CLAY, FLY ASH, SINTERING, INDUSTRIAL	PM
9001230	Clay And Fly Ash Sintering - Average	SPECIATE 3.2	CLAY AND FLY ASH SINTERING, CLAY, FLY ASH, SINTERING, INDUSTRIAL	PM
9001310	Mineral Products - Average	SPECIATE 3.2	MINERAL PRODUCTS, INDUSTRIAL	PM
9001330	Mineral Products - Average	SPECIATE 3.2	MINERAL PRODUCTS, INDUSTRIAL	PM
9001410	Petroleum Industry - Average	SPECIATE 3.2	PETROLEUM INDUSTRY, INDUSTRIAL	PM
9001430	Petroleum Industry - Average	SPECIATE 3.2	PETROLEUM INDUSTRY, INDUSTRIAL	PM
9001510	Pulp And Paper Industry	SPECIATE 3.2	PULP AND PAPER INDUSTRY, PULP AND PAPER, INDUSTRIAL	PM
9001530	Pulp And Paper Industry	SPECIATE 3.2	PULP AND PAPER INDUSTRY, PULP AND PAPER, INDUSTRIAL	PM
9001610	Industrial Manufacturing - Average	SPECIATE 3.2	INDUSTRIAL	PM
9001630	Industrial Manufacturing - Average	SPECIATE 3.2	INDUSTRIAL	PM
00000C	Overall Composite	SPECIATE 3.2	OVERALL AVERAGE	PM
11201C	Coal-Fired Power Plant	SPECIATE 3.2	COAL COMBUSTION, UTILITY, POWER PLANT, ELECTRIC GENERATION	PM
11202C	Coal-Fired Power Plant	SPECIATE 3.2	COAL COMBUSTION, UTILITY, POWER PLANT, ELECTRIC GENERATION	PM
11203C	Coal-Fired Power Plant	SPECIATE 3.2	COAL COMBUSTION, UTILITY, POWER PLANT, ELECTRIC GENERATION	PM
11204C	Coal-Fired Power Plant	SPECIATE 3.2	COAL COMBUSTION, UTILITY, POWER PLANT, ELECTRIC GENERATION	PM
11205C	Coal-Fired Power Plant	SPECIATE 3.2	COAL COMBUSTION, UTILITY, POWER PLANT, ELECTRIC GENERATION	PM
11206C	Coal-Fired Power Plant	SPECIATE 3.2	COAL COMBUSTION, UTILITY, POWER PLANT, ELECTRIC GENERATION	PM
11207C	Coal-Fired Power Plant	SPECIATE 3.2	COAL COMBUSTION, UTILITY, POWER PLANT, ELECTRIC GENERATION	PM
11208C	Coal-Fired Power Plant	SPECIATE 3.2	COAL COMBUSTION, UTILITY, POWER PLANT, ELECTRIC GENERATION	PM
11209C	Coal-Fired Power Plant	SPECIATE 3.2	COAL COMBUSTION, UTILITY, POWER PLANT, ELECTRIC GENERATION	PM
11210C	Coal-Fired Power Plant	SPECIATE 3.2	COAL COMBUSTION, UTILITY, POWER PLANT, ELECTRIC GENERATION	PM
11211C	Coal-Fired Power Plant	SPECIATE 3.2	COAL COMBUSTION, UTILITY, POWER PLANT, ELECTRIC GENERATION	PM
11212C	Coal-Fired Power Plant	SPECIATE 3.2	COAL COMBUSTION, UTILITY, POWER PLANT, ELECTRIC GENERATION	PM
11213C	External Combustion - Coal-Fired Composite	SPECIATE 3.2	COAL COMBUSTION	PM
11214C	Uncontrolled Coal-Fired Power Plant Composite	SPECIATE 3.2	COAL COMBUSTION, UTILITY, POWER PLANT, ELECTRIC GENERATION	PM
11215C	Coal-Fired Power Plant/esp Composite	SPECIATE 3.2	COAL COMBUSTION, UTILITY, POWER PLANT, ELECTRIC GENERATION	PM
11301C	Coal- And Refuse Derived Fuel (RDF)-Fired Power Plant	SPECIATE 3.2	COAL COMBUSTION, UTILITY, POWER PLANT, ELECTRIC GENERATION, RDF COMBUSTION	PM
11501C	Oil-Fired Power Plant	SPECIATE 3.2	OIL COMBUSTION, UTILITY, POWER PLANT, ELECTRIC GENERATION	PM
11502C	Oil-Fired Power Plant	SPECIATE 3.2	OIL COMBUSTION, UTILITY, POWER PLANT, ELECTRIC GENERATION	PM
11503C	Oil-Fired Power Plant	SPECIATE 3.2	OIL COMBUSTION, UTILITY, POWER PLANT, ELECTRIC GENERATION	PM
11504C	Oil-Fired Power Plant	SPECIATE 3.2	OIL COMBUSTION, UTILITY, POWER PLANT, ELECTRIC GENERATION	PM
11505C	Oil-Fired Power Plant	SPECIATE 3.2	OIL COMBUSTION, UTILITY, POWER PLANT, ELECTRIC GENERATION	PM
11506C	Oil-Fired Power Plant	SPECIATE 3.2	OIL COMBUSTION, UTILITY, POWER PLANT, ELECTRIC GENERATION	PM
11507C	Oil-Fired Power Plant	SPECIATE 3.2	OIL COMBUSTION, UTILITY, POWER PLANT, ELECTRIC GENERATION	PM
11508C	Oil-Fired Power Plant	SPECIATE 3.2	OIL COMBUSTION, UTILITY, POWER PLANT, ELECTRIC GENERATION	PM
11509C	Oil-Fired Power Plant	SPECIATE 3.2	OIL COMBUSTION, UTILITY, POWER PLANT, ELECTRIC GENERATION	PM
11510C	Oil-Fired Power Plant Composite	SPECIATE 3.2	OIL COMBUSTION, UTILITY, POWER PLANT, ELECTRIC GENERATION	PM
11801C	Wood-Fired Boiler	SPECIATE 3.2	BOILER, WOOD COMBUSTION	PM
12201C	External Combustion Boiler - Coal-Slurry Fired	SPECIATE 3.2	BOILER, COAL-SLURRY COMBUSTION	PM
12301C	External Combustion - Kerosene-Fired Boiler Composite	SPECIATE 3.2	BOILER, KEROSENE COMBUSTION	PM
12704C	Wood-Fired Boiler	SPECIATE 3.2	BOILER, WOOD COMBUSTION	PM
12705C	External Combustion - Wood-Fired Boiler Composite	SPECIATE 3.2	BOILER, WOOD COMBUSTION	PM
12706C	Hogged Fuel Boiler / Plywood Manufacturing	SPECIATE 3.2	BOILER, HOGGED FUEL COMBUSTION, PLYWOOD MANUFACTURING, INDUSTRIAL	PM

Profile Number	Name	Data Origin	Keyword	Profile Type
12707C	Hogged Fuel Boiler / Dutch Oven	SPECIATE 3.2	BOILER, HOGGED FUEL COMBUSTION, DUTCH OVEN, INDUSTRIAL	PM
12708C	Hogged Fuel Boiler / Plywood Manufacturing	SPECIATE 3.2	BOILER, HOGGED FUEL COMBUSTION, PLYWOOD MANUFACTURING, INDUSTRIAL	PM
12709C	Hogged Fuel Boiler / Stoker Boiler	SPECIATE 3.2	BOILER, HOGGED FUEL COMBUSTION, STOKER BOILER, INDUSTRIAL	PM
12710C	Boiler - #2 Fuel Oil Fired	SPECIATE 3.2	BOILER, FUEL OIL COMBUSTION	PM
13501C	Residual Oil Combustion	SPECIATE 3.2	BOILER, RESIDUAL OIL COMBUSTION	PM
13502C	External Combustion - Heavy Oil-Fired Boiler Composite	SPECIATE 3.2	BOILER, HEAVY OIL COMBUSTION	PM
13503C	External Combustion - Indonesian Oil-Fired Boiler Composite	SPECIATE 3.2	BOILER, OIL COMBUSTION	PM
13504C	Oil-Fired Boiler	SPECIATE 3.2	BOILER, OIL COMBUSTION	PM
13505C	Residual Oil-Fired Boiler / Petroleum Refinery	SPECIATE 3.2	BOILER, RESIDUAL OIL COMBUSTION, REFINERY, INDUSTRIAL	PM
14101C	External Combustion - Waste Oil-Fired Boiler	SPECIATE 3.2	BOILER, WASTE OIL COMBUSTION	PM
14102C	External Combustion - Liquid Waste-Fired Boiler	SPECIATE 3.2	BOILER, LIQUID WASTE COMBUSTION	PM
15101C	External Combustion - Solid Waste-Fired Boiler	SPECIATE 3.2	BOILER, SOLID WASTE COMBUSTION	PM
16000C	Meat Cooking - Charbroiling	SPECIATE 3.2	MEAT COOKING, CHARBROILING	PM
16001C	Meat Cooking - Frying	SPECIATE 3.2	MEAT COOKING, FRYING	PM
17105C	Municipal Incinerator (Philadelphia)	SPECIATE 3.2	INCINERATOR, MUNICIPAL WASTE INCINERATION	PM
17106C	Municipal Incinerator Composite	SPECIATE 3.2	INCINERATOR, MUNICIPAL WASTE INCINERATION	PM
17107C	Municipal Incinerator (East Chicago, IN)	SPECIATE 3.2	INCINERATOR, MUNICIPAL WASTE INCINERATION	PM
17108C	Municipal Incinerator (Philadelphia)	SPECIATE 3.2	INCINERATOR, MUNICIPAL WASTE INCINERATION	PM
17109C	Car Shredder	SPECIATE 3.2	CAR SHREDDER, INDUSTRIAL	PM
17120C	Sewage Sludge Incineration - Composite	SPECIATE 3.2	INCINERATOR, SEWAGE SLUDGE INCINERATION	PM
17121C	Sewage Sludge Incineration	SPECIATE 3.2	INCINERATOR, SEWAGE SLUDGE INCINERATION	PM
17122C	Sewage Sludge Incineration	SPECIATE 3.2	INCINERATOR, SEWAGE SLUDGE INCINERATION	PM
17123C	Sewage Sludge Incineration	SPECIATE 3.2	INCINERATOR, SEWAGE SLUDGE INCINERATION	PM
17124C	Sewage Sludge Incineration	SPECIATE 3.2	INCINERATOR, SEWAGE SLUDGE INCINERATION	PM
18000C	Cigarette Smoke	SPECIATE 3.2	CIGARETTE SMOKE	PM
19101C	Scrap Copper Incinerator	SPECIATE 3.2	COPPER, INCINERATOR, SCRAP COPPER INCINERATION, INDUSTRIAL	PM
20101C	Aluminum Foundry-Reverberatory Furnace	SPECIATE 3.2	ALUMINUM FOUNDRY, FOUNDRY, ALUMINUM, REVERBERATORY FURNACE, FURNACE, INDUSTRIAL	PM
20102C	Secondary Aluminum Plant - Dross Recovery Furnace	SPECIATE 3.2	ALUMINUM, FURNACE, DROSS RECOVERY FURNACE, SECONDARY ALUMINUM, INDUSTRIAL	PM
20103C	Secondary Aluminum - Dross Recovery Furnace	SPECIATE 3.2	ALUMINUM, FURNACE, DROSS RECOVERY FURNACE, SECONDARY ALUMINUM, INDUSTRIAL	PM
20401C	Secondary Lead Smelter - Blast Furnace	SPECIATE 3.2	BLAST FURNACE, FURNACE, LEAD, SECONDARY LEAD, SMELTER, SECONDARY LEAD SMELTER, INDUSTRIAL	PM
20402C	Secondary Lead - Sanitary Baghouse	SPECIATE 3.2	LEAD, SECONDARY LEAD, INDUSTRIAL	PM
20403C	Secondary Lead - Reverberatory Furnace	SPECIATE 3.2	LEAD, SECONDARY LEAD, INDUSTRIAL, FURNACE, REVERBERATORY FURNACE	PM
20404C	Secondary Lead - Melting Pot Fugitives	SPECIATE 3.2	LEAD, SECONDARY LEAD, MELTING POT, INDUSTRIAL	PM
20405C	Secondary Lead - Melting Pot Stack	SPECIATE 3.2	LEAD, SECONDARY LEAD, MELTING POT, INDUSTRIAL	PM
20406C	Secondary Lead - Yard Dust	SPECIATE 3.2	LEAD, SECONDARY LEAD, YARD DUST, INDUSTRIAL	PM
20501C	Zinc Oxide Kiln	SPECIATE 3.2	KILN, ZINC OXIDE, INDUSTRIAL	PM
20502C	Antimony Oxide Plant - Antimony Roasting	SPECIATE 3.2	ANTIMONY OXIDE, ANTIMONY ROASTING, INDUSTRIAL	PM
20503C	Antimony Oxide Plant - Antimony Roasting	SPECIATE 3.2	ANTIMONY OXIDE, ANTIMONY ROASTING, INDUSTRIAL	PM
21101C	Limestone Dust	SPECIATE 3.2	LIMESTONE	PM
21102C	Primary Lead Smelting - Ore Concentrate	SPECIATE 3.2	LEAD ORE CONCENTRATE, LEAD, PRIMARY LEAD, PRIMARY LEAD SMELTING, SMELTER, INDUSTRIAL	PM
21103C	Primary Lead Smelting - Ore Concentrate Composite	SPECIATE 3.2	LEAD ORE CONCENTRATE, LEAD, PRIMARY LEAD, PRIMARY LEAD SMELTING, SMELTER, INDUSTRIAL	PM
21150C	Primary Lead Smelting Materials Handling - Composite	SPECIATE 3.2	LEAD ORE CONCENTRATE, LEAD, PRIMARY LEAD, PRIMARY LEAD SMELTING, INDUSTRIAL	PM
21203C	Coke Dust	SPECIATE 3.2	COKE, COKE DUST, INDUSTRIAL	PM
21204C	Coal Dust	SPECIATE 3.2	COAL DUST, INDUSTRIAL	PM
21205C	Primary Lead Smelting - Speiss Fugitive Dust	SPECIATE 3.2	SMELTER, PRIMARY LEAD, PRIMARY LEAD SMELTING, INDUSTRIAL	PM
21206C	Primary Lead Smelting - Soda Flux Fugitive Dust	SPECIATE 3.2	PRIMARY LEAD, LEAD, SODA FLUX, PRIMARY LEAD SMELTING, SMELTER, INDUSTRIAL	PM
21301C	Copper Ore Crushing	SPECIATE 3.2	COPPER, COPPER ORE CRUSHING, COPPER ORE, INDUSTRIAL	PM

Profile Number	Name	Data Origin	Keyword	Profile Type
21302C	Copper Ore Mill Wastepile	SPECIATE 3.2	COPPER, COPPER ORE MILL, INDUSTRIAL	PM
21303C	Copper Ore Concentrate	SPECIATE 3.2	COPPER, COPPER ORE, INDUSTRIAL	PM
21304C	Copper Mining Waste	SPECIATE 3.2	COPPER, MINING, COPPER MINING, COPPER MINING WASTE, INDUSTRIAL	PM
21320C	Copper Ore - Composite	SPECIATE 3.2	COPPER, COPPER ORE, INDUSTRIAL	PM
21340C	Composite Of Copper Ore Concentrate And Mining Waste	SPECIATE 3.2	COPPER, MINING, COPPER MINING, COPPER MINING WASTE, INDUSTRIAL, COPPER ORE	PM
21401C	Feed And Grain Handling Dust	SPECIATE 3.2	INDUSTRIAL, FEED, MINING	PM
21501C	Primary Lead Smelting - Slag Dust	SPECIATE 3.2	LEAD, PRIMARY LEAD, SLAG DUST, SMELTER, PRIMARY LEAD SMELTING, INDUSTRIAL	PM
22101C	Particle Board Dryer	SPECIATE 3.2	DRYER, PARTICLE BOARD, WOOD, PARTICLE BOARD DRYER, INDUSTRIAL	PM
22102C	Particle Board Dryer	SPECIATE 3.2	DRYER, PARTICLE BOARD, WOOD, PARTICLE BOARD DRYER, INDUSTRIAL	PM
22103C	Particleboard Dryer / Direct - Fired	SPECIATE 3.2	DRYER, WOOD COMBUSTION, PARTICLE BOARD DRYER, INDUSTRIAL	PM
22201C	Wood Products - Sander dust	SPECIATE 3.2	WOOD, SANDERDUST, INDUSTRIAL	PM
22202C	Sawdust	SPECIATE 3.2	SAWDUST, WOOD, INDUSTRIAL	PM
22203C	Wood Sander Dust	SPECIATE 3.2	SANDER, WOOD, INDUSTRIAL	PM
22301C	Veneer Dryer	SPECIATE 3.2	DRYER, VENEER DRYER, INDUSTRIAL	PM
22302C	Veneer Dryer / Steam - Heated	SPECIATE 3.2	DRYER, VENEER DRYER, INDUSTRIAL	PM
22303C	Veneer Dryer / Wood - Fired	SPECIATE 3.2	DRYER, VENEER DRYER, INDUSTRIAL, WOOD COMBUSTION, SANDER	PM
23103C	Kraft Recovery Furnace	SPECIATE 3.2	FURNACE, KRAFT RECOVERY FURNACE, INDUSTRIAL	PM
23104C	Kraft Recovery Furnace	SPECIATE 3.2	FURNACE, KRAFT RECOVERY FURNACE, INDUSTRIAL	PM
23202C	Lime Kiln	SPECIATE 3.2	KILN, LIME, LIME KILN, INDUSTRIAL	PM
24101C	Sulfite Recovery Boiler	SPECIATE 3.2	BOILER, SULFITE, SULFITE RECOVERY BOILER, INDUSTRIAL	PM
25201C	Calcium Carbide Furnace	SPECIATE 3.2	CALCIUM CARBIDE, CALCIUM CARBIDE FURNACE, FURNACE, INDUSTRIAL	PM
25302C	Charcoal Manufacturing	SPECIATE 3.2	CHARCOAL, CHARCOAL MANUFACTURING, INDUSTRIAL	PM
25401C	Silica Manufacturing	SPECIATE 3.2	SILICA, SILICA MANUFACTURING, INDUSTRIAL	PM
25402C	Asphalt Roofing Manufacturing	SPECIATE 3.2	ASPHALT, ASPHALT ROOFING, ASPHALT ROOFING MANUFACTURING, INDUSTRIAL	PM
25403C	Paint Spray Booth	SPECIATE 3.2	PAINT, SPRAY BOOTH, SURFACE COATING, INDUSTRIAL	PM
25404C	Urea Fertilizer Production	SPECIATE 3.2	FERTILIZER, FERTILIZER PRODUCTION, UREA, UREA FERTILIZER PRODUCTION, UREA FERTILIZER, INDUSTRIAL	PM
25405C	Boric Acid Manufacturing	SPECIATE 3.2	BORIC ACID, BORIC ACID MANUFACTURING, INDUSTRIAL	PM
25406C	Carborundum Manufacturing	SPECIATE 3.2	CARBORUNDUM, CARBORUNDUM MANUFACTURING, INDUSTRIAL	PM
25407C	Phosphorous Plant Plume	SPECIATE 3.2	PHOSPHOROUS, PHOSPHOROUS MANUFACTURING, INDUSTRIAL	PM
25408C	Fertilizer Production - Phosphate Rock Dust	SPECIATE 3.2	FERTILIZER PRODUCTION, FERTILIZER, PHOSPHATE, PHOSPHATE ROCK, INDUSTRIAL	PM
25409C	Ammonium Nitrate - Prill Tower	SPECIATE 3.2	AMMONIUM NITRATE, PRILL TOWER, INDUSTRIAL	PM
25410C	Ammonium Sulfate Production	SPECIATE 3.2	AMMONIUM SULFATE, AMMONIUM SULFATE PRODUCTION, INDUSTRIAL	PM
25411C	Diammonium Phosphate Plant	SPECIATE 3.2	DIAMMONIUM PHOSPHATE, DIAMMONIUM PHOSPHATE PRODUCTION, INDUSTRIAL	PM
25412C	Superphosphate Plant	SPECIATE 3.2	FERTILIZER, SUPERPHOSPHATE, SUPERPHOSPHATE PLANT, INDUSTRIAL	PM
25413C	Superphosphate Granulation	SPECIATE 3.2	SUPERPHOSPHATE, INDUSTRIAL	PM
25414C	Sodium Tripolyphosphate - Cyclone Dust	SPECIATE 3.2	SODIUM TRIPOLYPHOSPHATE, INDUSTRIAL	PM
25415C	Npk Fertilizer	SPECIATE 3.2	FERTILIZER, NPK, NPK FERTILIZER, INDUSTRIAL	PM
25416C	Phosphoric Acid Plant	SPECIATE 3.2	PHOSPHORIC ACID, PHOSPHORIC ACID PLANT, INDUSTRIAL	PM
25417C	Monoammonium Phosphate Dryer	SPECIATE 3.2	DRYER, MONOAMMONIUM PHOSPHATE, MONOAMMONIUM PHOSPHATE DRYER, INDUSTRIAL	PM
25418C	Phosphate Fertilizer Calciner	SPECIATE 3.2	PHOSPHATE FERTILIZER CALCINER, FERTILIZER, PHOSPHATE FERTILIZER, INDUSTRIAL	PM
25419C	Triple Super Phosphate Stack	SPECIATE 3.2	PHOSPHATE, SUPERPHOSPHATE, TRIPLE, SUPERPHOSPHATE, INDUSTRIAL	PM
25420C	Slag Loadout Fugitives - Elemental Phosphorus Plant	SPECIATE 3.2	SLAG, PHOSPHOROUS, ELEMENTAL PHOSPHOROUS, ELEMENTAL PHOSPHOROUS PLANT, INDUSTRIAL	PM
25421C	Calciner - Elemental Phosphorus Plant	SPECIATE 3.2	INDUSTRIAL, ELEMENTAL PHOSPHOROUS, PHOSPHOROUS, ELEMENTAL PHOSPHOROUS PLANT, CALCINER	PM
25422C	Furnace Tapping - Elemental Phosphorus Plant	SPECIATE 3.2	ELEMENTAL PHOSPHORUS, PHOSPHORUS, FURNACE, ELEMENTAL PHOSPHORUS PLANT, INDUSTRIAL	PM
25500C	Tar Pot	SPECIATE 3.2	TAR POT, ROOFING, ASPHALT ROOFING, ASPHALT	PM
25701C	Metal Fabrication - Galvanizing (ZnO)	SPECIATE 3.2	METAL FABRICATION, GALVANIZING, ZINC OXIDE, INDUSTRIAL	PM
25702C	Metal Fabrication - Sandblasting	SPECIATE 3.2	METAL FABRICATION, SANDBLASTING, INDUSTRIAL	PM

Profile Number	Name	Data Origin	Keyword	Profile Type
25703C	Metal Fabrication - Welding	SPECIATE 3.2	METAL FABRICATION, WELDING, INDUSTRIAL	PM
26101C	Refinery Process Heaters (Gas)	SPECIATE 3.2	HEATERS, PROCESS HEATERS, REFINERY, NATURAL GAS COMBUSTION, INDUSTRIAL	PM
26202C	Petroleum Refinery Catalytic Cracker	SPECIATE 3.2	CATALYTIC CRACKER, REFINERY, INDUSTRIAL	PM
26203C	Petroleum Refinery Catalytic Cracker	SPECIATE 3.2	CATALYTIC CRACKER, REFINERY, INDUSTRIAL	PM
26204C	Petroleum Refinery Catalytic Cracker	SPECIATE 3.2	CATALYTIC CRACKER, REFINERY, INDUSTRIAL	PM
26205C	Petroleum Refinery Catalytic Cracker	SPECIATE 3.2	CATALYTIC CRACKER, REFINERY, INDUSTRIAL	PM
26206C	Coke Calciner	SPECIATE 3.2	CALCINER, COKE, COKE CALCINER, INDUSTRIAL	PM
26207C	Green Coke Dust	SPECIATE 3.2	COKE, GREEN COKE, INDUSTRIAL	PM
26208C	Coke Cooler	SPECIATE 3.2	COKE, COKE COOLER, INDUSTRIAL	PM
26209C	Catalytic Cracker Composite	SPECIATE 3.2	CATALYTIC CRACKER, INDUSTRIAL	PM
27102C	Glass Furnace	SPECIATE 3.2	FURNACE, GLASS, GLASS FURNACE, INDUSTRIAL	PM
27201C	Cement Kiln (Gas-Fired)	SPECIATE 3.2	CEMENT, NATURAL GAS COMBUSTION, KILN, CEMENT KILN, INDUSTRIAL	PM
27203C	Cement Kiln (Coal-Fired)	SPECIATE 3.2	CEMENT, COAL COMBUSTION, KILN, CEMENT KILN, INDUSTRIAL	PM
27204C	Portland Cement Dust	SPECIATE 3.2	CEMENT, PORTLAND CEMENT, INDUSTRIAL	PM
27205C	Cement Ball Mill	SPECIATE 3.2	CEMENT BALL MILL, CEMENT, INDUSTRIAL	PM
27501C	Gypsum Calciner	SPECIATE 3.2	CALCINER, GYPSUM, GYPSUM CALCINER, INDUSTRIAL	PM
27502C	Gypsum Handling	SPECIATE 3.2	INDUSTRIAL, GYPSUM	PM
27503C	Gypsum Kiln	SPECIATE 3.2	INDUSTRIAL, KILN, GYPSUM	PM
27504C	Gypsum Pile Dust	SPECIATE 3.2	INDUSTRIAL, GYPSUM	PM
27601C	Lime Handling	SPECIATE 3.2	LIME, INDUSTRIAL	PM
27602C	Lime Kiln	SPECIATE 3.2	KILN, LIME, INDUSTRIAL	PM
28201C	Cast Iron Induction Furnace	SPECIATE 3.2	CAST IRON, FURNACE, CAST IRON INDUCTION FURNACE, INDUCTION FURNACE, INDUSTRIAL	PM
28202C	Cast Iron Cupola	SPECIATE 3.2	CAST IRON, CUPOLA, INDUSTRIAL	PM
28301C	Steel Production - Steel Sinter Plant	SPECIATE 3.2	STEEL PRODUCTION, STEEL SINTER PLANT, STEEL, INDUSTRIAL	PM
28302C	Steel Production - Open Hearth Furnace	SPECIATE 3.2	STEEL PRODUCTION, FURNACE, OPEN HEARTH FURNACE, STEEL, INDUSTRIAL	PM
28303C	Steel Production - Basic Oxygen Furnace	SPECIATE 3.2	STEEL PRODUCTION, FURNACE, BASIC OXYGEN FURNACE, STEEL, INDUSTRIAL	PM
28304C	Iron Ore Dust - Sinter	SPECIATE 3.2	IRON ORE, SINTER, INDUSTRIAL	PM
28305C	Steel Electric Arc Furnace	SPECIATE 3.2	STEEL ELECTRIC ARC FURNACE, ELECTRIC ARC FURNACE, FURNACE, STEEL, INDUSTRIAL	PM
28306C	Steel Desulfurization Baghouse Dust	SPECIATE 3.2	STEEL DESULFURIZATION, STEEL, INDUSTRIAL	PM
28307C	Steel Production - Basic Oxygen Furnace	SPECIATE 3.2	STEEL PRODUCTION, FURNACE, BASIC OXYGEN FURNACE, STEEL, INDUSTRIAL	PM
28401C	Ferromanganese Furnace	SPECIATE 3.2	FERROMANGANESE, FURNACE, FERROMANGANESE FURNACE, INDUSTRIAL	PM
28601C	Steel Foundry - Steel Heat Treating (Salt Quench)	SPECIATE 3.2	SALT QUENCH, FOUNDRY, STEEL, STEEL FOUNDRY, STEEL HEAT TREATING, INDUSTRIAL	PM
29101C	Aluminum Processing	SPECIATE 3.2	ALUMINUM, ALUMINUM PROCESSING, INDUSTRIAL	PM
29102C	Aluminum Reduction Potline	SPECIATE 3.2	ALUMINUM, ALUMINUM REDUCTION POTLINE, INDUSTRIAL	PM
29201C	Copper Oxide Kiln	SPECIATE 3.2	KILN, COPPER OXIDE, COPPER OXIDE KILN, INDUSTRIAL	PM
29202C	Primary Copper Smelter	SPECIATE 3.2	COPPER, PRIMARY COPPER, SMELTER, PRIMARY COPPER SMELTER, INDUSTRIAL	PM
29203C	Primary Copper Reverberatory Furnace - Slag Tap	SPECIATE 3.2	COPPER, FLASH FURNACE, FURNACE, PRIMARY COPPER, SLAG, REVERBERATORY FURNACE, INDUSTRIAL	PM
29204C	Primary Copper Reverberatory Furnace - Slag Skim & Pour	SPECIATE 3.2	COPPER, FLASH FURNACE, FURNACE, PRIMARY COPPER, SLAG, PRIMARY COPPER REVERB FURNACE, INDUSTRIAL	PM
29205C	Primary Copper Converter - Secondary Hood	SPECIATE 3.2	COPPER, PRIMARY COPPER CONVERTER, PRIMARY COPPER, INDUSTRIAL	PM
29206C	Primary Copper Converter - Secondary Hood	SPECIATE 3.2	COPPER, PRIMARY COPPER CONVERTER, PRIMARY COPPER, INDUSTRIAL	PM
29207C	Primary Copper Flash Furnace - Matte & Slag Tap	SPECIATE 3.2	COPPER, FLASH FURNACE, FURNACE, PRIMARY COPPER, SLAG, PRIMARY COPPER FLASH FURNACE, INDUSTRIAL	PM
29208C	Primary Copper - Process Stack	SPECIATE 3.2	COPPER, PRIMARY COPPER, INDUSTRIAL	PM
29209C	Primary Copper Roaster	SPECIATE 3.2	COPPER, PRIMARY COPPER, ROASTER, PRIMARY COPPER ROASTER, INDUSTRIAL	PM
29210C	Primary Copper Reverberatory Furnace Fugitives Composite	SPECIATE 3.2	COPPER, FLASH FURNACE, FURNACE, PRIMARY COPPER, REVERBERATORY FURNACE, PRIMARY COPPER REVERB FURNACE, INDUSTRIAL	PM



Profile Number	Name	Data Origin	Keyword	Profile Type
29211C	Primary Copper Converter - Secondary Hood Composite	SPECIATE 3.2	COPPER, PRIMARY COPPER CONVERTER, PRIMARY COPPER, CONVERTER, INDUSTRIAL	PM
29301C	Primary Lead Smelting - Slag Pouring	SPECIATE 3.2	LEAD, PRIMARY LEAD, SLAG, SMELTER, PRIMARY LEAD SMELTING, INDUSTRIAL	PM
29302C	Primary Lead Smelting - Blast Furnace	SPECIATE 3.2	BLAST FURNACE, FURNACE, LEAD, PRIMARY LEAD, SMELTER, PRIMARY LEAD SMELTING, INDUSTRIAL	PM
29303C	Primary Lead Smelting - Zinc Fuming	SPECIATE 3.2	ZINC FUMING, LEAD, SMELTER, PRIMARY LEAD, PRIMARY LEAD SMELTING, INDUSTRIAL	PM
29304C	Primary Lead Smelting - Sintering	SPECIATE 3.2	SINTERING, LEAD, PRIMARY LEAD, PRIMARY LEAD SMELTING, SMELTER, INDUSTRIAL	PM
29305C	Primary Lead Smelting - Blast Furnace Upset	SPECIATE 3.2	BLAST FURNACE, FURNACE, LEAD, PRIMARY LEAD, SMELTER, PRIMARY LEAD SMELTING, INDUSTRIAL	PM
29306C	Primary Lead Smelting-Zinc Baghouse	SPECIATE 3.2	ZINC, LEAD, PRIMARY LEAD, SMELTER, PRIMARY LEAD SMELTING, INDUSTRIAL	PM
29307C	Primary Lead Smelting-Dross Reverberatory Furnace	SPECIATE 3.2	FURNACE, LEAD, PRIMARY LEAD, REVERBERATORY FURNACE, SMELTER, PRIMARY LEAD SMELTING, DROSS REVERBERATORY FURNACE, INDUSTRIAL	PM
29309C	Primary Lead Smelting-Sinter Production	SPECIATE 3.2	SINTER, LEAD, PRIMARY LEAD, SMELTER, PRIMARY LEAD SMELTING, INDUSTRIAL	PM
29310C	Primary Lead - Dross Building	SPECIATE 3.2	DROSS BUILDING, LEAD, PRIMARY LEAD, SMELTER, INDUSTRIAL	PM
29311C	Primary Lead - Slag Pour	SPECIATE 3.2	SLAG, LEAD, PRIMARY LEAD, SMELTER, INDUSTRIAL	PM
29330C	Primary Lead Smelting - Composite	SPECIATE 3.2	LEAD, PRIMARY LEAD, SMELTER, PRIMARY LEAD SMELTING, INDUSTRIAL	PM
29501C	Secondary Copper Pyrometal - Cathode Charge	SPECIATE 3.2	CATHODE CHARGE, COPPER, SECONDARY PYROMETAL, INDUSTRIAL	PM
29502C	Secondary Copper Pyrometal - Regular Charge	SPECIATE 3.2	SMELTER, COPPER, SECONDARY COPPER PYROMETAL, INDUSTRIAL, SECONDARY COPPER	PM
31101C	Light Duty Vehicles-Leaded	SPECIATE 3.2	LIGHT DUTY VEHICLES, LEADED GASOLINE COMBUSTION, GASOLINE COMBUSTION, VEHICLES	PM
31102C	Heavy Duty Vehicles - Leaded	SPECIATE 3.2	GASOLINE COMBUSTION, LEADED GASOLINE COMBUSTION, VEHICLES, HEAVY DUTY VEHICLES	PM
31103C	Light Duty Vehicles - Leaded	SPECIATE 3.2	LIGHT DUTY VEHICLES, LEADED GASOLINE COMBUSTION, GASOLINE COMBUSTION, VEHICLES	PM
31104C	Light Duty Vehicles - Leaded	SPECIATE 3.2	LIGHT DUTY VEHICLES, LEADED GASOLINE COMBUSTION, GASOLINE COMBUSTION, VEHICLES	PM
31105C	Light Duty Vehicles - Leaded Composite	SPECIATE 3.2	LIGHT DUTY VEHICLES, LEADED GASOLINE COMBUSTION, GASOLINE COMBUSTION, VEHICLES	PM
31106C	Light Duty Vehicle - Leaded	SPECIATE 3.2	GASOLINE COMBUSTION, LEADED/UNLEADED GASOLINE COMBUSTION, LIGHT DUTY VEHICLES, VEHICLES	PM
31107C	Light Duty Vehicle - With Catalyst	SPECIATE 3.2	GASOLINE COMBUSTION, CATALYST VEHICLES, LIGHT DUTY VEHICLES, VEHICLES	PM
31108C	Light Duty Vehicle - Non-Catalyst	SPECIATE 3.2	GASOLINE COMBUSTION, NON-CATALYST VEHICLES, LIGHT DUTY VEHICLES, VEHICLES	PM
31201C	Light Duty Vehicles - Unleaded	SPECIATE 3.2	LIGHT DUTY VEHICLES, UNLEADED GASOLINE COMBUSTION, GASOLINE COMBUSTION, VEHICLES	PM
31202C	Light Duty Vehicles - Unleaded	SPECIATE 3.2	LIGHT DUTY VEHICLES, UNLEADED GASOLINE COMBUSTION, GASOLINE COMBUSTION, VEHICLES	PM
31203C	Light Duty Vehicles - Unleaded	SPECIATE 3.2	LIGHT DUTY VEHICLES, UNLEADED GASOLINE COMBUSTION, GASOLINE COMBUSTION, VEHICLES	PM
31230C	Light Duty Vehicles - Composite	SPECIATE 3.2	LIGHT DUTY VEHICLES, VEHICLES	PM
32101C	Light Duty Vehicles - Diesel	SPECIATE 3.2	DIESEL COMBUSTION, LIGHT DUTY VEHICLES, VEHICLES	PM
32102C	Light Duty Vehicles - Diesel	SPECIATE 3.2	DIESEL COMBUSTION, LIGHT DUTY VEHICLES, VEHICLES	PM
32103C	Light Duty Vehicles - Diesel	SPECIATE 3.2	DIESEL COMBUSTION, LIGHT DUTY VEHICLES, VEHICLES	PM
32104C	Light Duty Vehicles - Diesel Composite	SPECIATE 3.2	DIESEL COMBUSTION, LIGHT DUTY VEHICLES, VEHICLES	PM
32202C	Heavy Duty Diesel	SPECIATE 3.2	DIESEL COMBUSTION, VEHICLES, HEAVY DUTY VEHICLES	PM
32203C	Heavy Duty Vehicles - Diesel	SPECIATE 3.2	DIESEL COMBUSTION, VEHICLES, HEAVY DUTY VEHICLES	PM
32204C	Heavy Duty Vehicles - Diesel	SPECIATE 3.2	DIESEL COMBUSTION, VEHICLES, HEAVY DUTY VEHICLES	PM
32205C	Diesel Vehicles - Las Vegas Valley (1987)	SPECIATE 3.2	DIESEL COMBUSTION, VEHICLES	PM
32206C	Heavy Duty Vehicles - Diesel Composite	SPECIATE 3.2	DIESEL COMBUSTION, VEHICLES, HEAVY DUTY VEHICLES	PM
32207C	Heavy Duty Vehicles - Diesel	SPECIATE 3.2	DIESEL COMBUSTION, VEHICLES, HEAVY DUTY VEHICLES	PM
32208C	Heavy Duty Diesel Trucks	SPECIATE 3.2	DIESEL COMBUSTION, HEAVY DUTY VEHICLES	PM
33001C	Leaded/unleaded Gasoline Composite - 1977	SPECIATE 3.2	GASOLINE COMBUSTION, LEADED/UNLEADED GASOLINE COMBUSTION, VEHICLES	PM
33002C	Transportation Composite - Medford, OR (1980)	SPECIATE 3.2	TRANSPORTATION COMPOSITE, VEHICLES, GASOLINE COMBUSTION, DIESEL COMBUSTION, LEADED/UNLEADED COMBUSTION, TIRE WEAR, ROADWAY	PM
33003C	Transportation Composite - Portland, OR (1979)	SPECIATE 3.2	TRANSPORTATION COMPOSITE, VEHICLES, GASOLINE COMBUSTION, LEADED/UNLEADED COMBUSTION,	PM
33004C	Transportation Composite	SPECIATE 3.2	TRANSPORTATION COMPOSITE, TIRE WEAR, VEHICLES	PM
33005C	Transportation Composite	SPECIATE 3.2	TRANSPORTATION COMPOSITE, VEHICLES	PM
33006C	Transportation Composite	SPECIATE 3.2	TRANSPORTATION COMPOSITE, VEHICLES	PM
33007C	Transportation Composite	SPECIATE 3.2	TRANSPORTATION COMPOSITE, VEHICLES	PM
33008C	Transportation Composite	SPECIATE 3.2	TRANSPORTATION COMPOSITE, TIRE WEAR, VEHICLES, ASBESTOS BRAKES	PM

Profile Number	Name	Data Origin	Keyword	Profile Type
33009C	Transportation Composite	SPECIATE 3.2	TRANSPORTATION COMPOSITE, VEHICLES	PM
33010C	Gasoline Vehicles - Las Vegas Valley (1987)	SPECIATE 3.2	GASOLINE COMBUSTION, VEHICLES	PM
33011C	Highway Vehicles - Composite	SPECIATE 3.2	VEHICLES	PM
33020C	Transportation - Composite	SPECIATE 3.2	TRANSPORTATION COMPOSITE, VEHICLES	PM
34001C	Jet Aircraft	SPECIATE 3.2	AIRCRAFT, JET AIRCRAFT	PM
34002C	Tire Wear	SPECIATE 3.2	VEHICLES, TIRE WEAR	PM
34003C	Tire Wear	SPECIATE 3.2	VEHICLES, TIRE WEAR	PM
34004C	Brake Lining, Asbestos	SPECIATE 3.2	ASBESTOS BRAKES, BRAKE LINING, VEHICLES	PM
34005C	Motor Oil	SPECIATE 3.2	MOTOR OIL, VEHICLES	PM
34006C	Semimetal Disk Brake Pads	SPECIATE 3.2	BRAKE PADS, SEMIMETAL BRAKE PADS, VEHICLES	PM
34007C	Organometallic Brake Dust	SPECIATE 3.2	BRAKE PADS, ORGANOMETALLIC BRAKE PADS, VEHICLES	PM
34008C	Tire Wear	SPECIATE 3.2	VEHICLES, TIRE WEAR	PM
41101C	Paved Road Dust Missoula, Montana	SPECIATE 3.2	ROADWAY, PAVED ROAD, VEHICLES	PM
41102C	Paved Road Dust - Juneau, Alaska	SPECIATE 3.2	ROADWAY, PAVED ROAD, VEHICLES	PM
41103C	Paved Road Dust - Lewiston, Idaho	SPECIATE 3.2	ROADWAY, PAVED ROAD, VEHICLES	PM
41104C	Paved Road Dust - Butte, Montana	SPECIATE 3.2	ROADWAY, PAVED ROAD, VEHICLES	PM
41105C	Paved Road Dust - East Helena, Montana	SPECIATE 3.2	ROADWAY, PAVED ROAD, VEHICLES	PM
41106C	Paved Road Dust - Medford Or	SPECIATE 3.2	ROADWAY, PAVED ROAD, VEHICLES	PM
41107C	Paved Road Dust - Portland, OR	SPECIATE 3.2	ROADWAY, PAVED ROAD, VEHICLES	PM
41109C	Paved Road Dust - Alabama	SPECIATE 3.2	ROADWAY, PAVED ROAD, VEHICLES	PM
41110C	Paved Road Dust - Spokane, WA	SPECIATE 3.2	ROADWAY, PAVED ROAD, VEHICLES	PM
41111C	Paved Road Dust - Pasadena Freeway (CA)	SPECIATE 3.2	ROADWAY, PAVED ROAD, VEHICLES	PM
41112C	Paved Road Dust - Artesia Freeway (CA)	SPECIATE 3.2	ROADWAY, PAVED ROAD, VEHICLES	PM
41113C	Paved Road Dust - Long Beach Blvd. (CA)	SPECIATE 3.2	ROADWAY, PAVED ROAD, VEHICLES	PM
41114C	Paved Road Dust - Long Beach, CA	SPECIATE 3.2	ROADWAY, PAVED ROAD, VEHICLES	PM
41115C	Paved Road Dust - La Cienega Blvd. (CA)	SPECIATE 3.2	ROADWAY, PAVED ROAD, VEHICLES	PM
41116C	Paved Road Dust - Hawthorne, CA	SPECIATE 3.2	ROADWAY, PAVED ROAD, VEHICLES	PM
41117C	Paved Road Dust - Victory Blvd. (CA)	SPECIATE 3.2	ROADWAY, PAVED ROAD, VEHICLES	PM
41118C	Paved Road Dust - Burbank, CA	SPECIATE 3.2	ROADWAY, PAVED ROAD, VEHICLES	PM
41119C	Paved Road Dust - North Main St., Los Angeles, CA	SPECIATE 3.2	ROADWAY, PAVED ROAD, VEHICLES	PM
41120C	Paved Road Dust - Los Angeles, CA	SPECIATE 3.2	ROADWAY, PAVED ROAD, VEHICLES	PM
41121C	Paved Road Dust - South Harbor Blvd., Anaheim, CA	SPECIATE 3.2	ROADWAY, PAVED ROAD, VEHICLES	PM
41122C	Paved Road Dust - Anaheim, CA	SPECIATE 3.2	ROADWAY, PAVED ROAD, VEHICLES	PM
41123C	Paved Road Dust - Riverside, CA	SPECIATE 3.2	ROADWAY, PAVED ROAD, VEHICLES	PM
41124C	Paved Road Dust - Sepulveda Tunnel, Los Angeles, CA	SPECIATE 3.2	ROADWAY, PAVED ROAD, VEHICLES	PM
41130C	Paved Road Dust - Composite	SPECIATE 3.2	ROADWAY, PAVED ROAD, VEHICLES	PM
41131C	Paved Road Dust - Freeway Composite	SPECIATE 3.2	ROADWAY, PAVED ROAD, VEHICLES	PM
41132C	Paved Road Dust - Composite-Long Beach, CA	SPECIATE 3.2	ROADWAY, PAVED ROAD, VEHICLES	PM
41133C	Paved Road Dust - Hawthorne Composite	SPECIATE 3.2	ROADWAY, PAVED ROAD, VEHICLES	PM
41134C	Paved Road Dust - Burbank Composite	SPECIATE 3.2	ROADWAY, PAVED ROAD, VEHICLES	PM
41135C	Paved Road Dust - Los Angeles Composite	SPECIATE 3.2	ROADWAY, PAVED ROAD, VEHICLES	PM
41136C	Paved Road Dust - Anaheim Composite	SPECIATE 3.2	ROADWAY, PAVED ROAD, VEHICLES	PM
41137C	Paved Road Dust - Scab Composite	SPECIATE 3.2	ROADWAY, PAVED ROAD, VEHICLES	PM
41138C	Paved Road Dust - Pocatello, Idaho	SPECIATE 3.2	ROADWAY, PAVED ROAD, VEHICLES	PM
41139C	Paved Road Dust - Pocatello, Idaho	SPECIATE 3.2	ROADWAY, PAVED ROAD, VEHICLES	PM
41140C	Paved Road Dust - Pocatello, Idaho	SPECIATE 3.2	ROADWAY, PAVED ROAD, VEHICLES	PM
41141C	Paved Road Dust - Pocatello, Idaho	SPECIATE 3.2	ROADWAY, PAVED ROAD, VEHICLES	PM

Profile Number	Name	Data Origin	Keyword	Profile Type
41142C	Paved Road Dust - Pasadena CA	SPECIATE 3.2	ROADWAY, PAVED ROAD, VEHICLES	PM
41201C	Unpaved Road Dust (Copper Mine)	SPECIATE 3.2	COPPER MINING, ROADWAY, UNPAVED ROAD, VEHICLES	PM
41203C	Unpaved Road Dust - Haul Road	SPECIATE 3.2	ROADWAY, UNPAVED ROAD, VEHICLES	PM
41204C	Unpaved Road Dust - East Helena, Montana	SPECIATE 3.2	ROADWAY, UNPAVED ROAD, VEHICLES	PM
41205C	Unpaved Road Dust - Riverside, CA	SPECIATE 3.2	ROADWAY, UNPAVED ROAD, VEHICLES	PM
41206C	Ore And Road Dust Fugitives - Pocatello, Idaho	SPECIATE 3.2	ROADWAY, ORE DUST, VEHICLES	PM
41207C	Unpaved Road Dust - Pocatello, Idaho	SPECIATE 3.2	ROADWAY, UNPAVED ROAD, VEHICLES	PM
41220C	Unpaved Road Dust - Composite	SPECIATE 3.2	ROADWAY, UNPAVED ROAD, VEHICLES	PM
41301C	Soil Dust - Des Moines, IA	SPECIATE 3.2	SOIL DUST	PM
41302C	Soil Dust - Seattle, WA	SPECIATE 3.2	SOIL DUST	PM
41303C	Soil Dust - Visalia, CA	SPECIATE 3.2	SOIL DUST	PM
41304C	Soil Dust - South Bend, Indiana	SPECIATE 3.2	SOIL DUST	PM
41305C	Soil Dust - Houston, TX	SPECIATE 3.2	SOIL DUST	PM
41306C	Soil Dust - East Helena, Montana	SPECIATE 3.2	SOIL DUST	PM
41307C	Soil Dust - Idaho	SPECIATE 3.2	SOIL DUST	PM
41308C	Soil Dust - Creston, Iowa	SPECIATE 3.2	SOIL DUST	PM
41309C	Soil Dust - Council Bluffs, Iowa	SPECIATE 3.2	SOIL DUST	PM
41310C	Soil Dust - Sioux City, Iowa	SPECIATE 3.2	SOIL DUST	PM
41311C	Soil Dust - Cedar Rapids, Iowa	SPECIATE 3.2	SOIL DUST	PM
41312C	Soil Dust - Davenport, Iowa	SPECIATE 3.2	SOIL DUST	PM
41313C	Soil Dust - Spokane, WA	SPECIATE 3.2	SOIL DUST	PM
41314C	Soil Dust - Boise, Idaho	SPECIATE 3.2	SOIL DUST	PM
41315C	Soil Dust - Bakersfield, CA	SPECIATE 3.2	SOIL DUST	PM
41316C	Soil Dust - Pasadena, CA	SPECIATE 3.2	SOIL DUST	PM
41318C	Soil Dust - Medford, OR	SPECIATE 3.2	SOIL DUST	PM
41319C	Soil Dust - Portland OR	SPECIATE 3.2	SOIL DUST	PM
41320C	Soil Dust - Alabama	SPECIATE 3.2	SOIL DUST	PM
41321C	Soil Dust - Laurel Md	SPECIATE 3.2	SOIL DUST	PM
41322C	Soil Dust - Washington, D.C. Area	SPECIATE 3.2	SOIL DUST	PM
41323C	Soil Dust - Riverside, CA	SPECIATE 3.2	SOIL DUST	PM
41324C	Soil Dust - Hawthorne, CA	SPECIATE 3.2	SOIL DUST	PM
41325C	Soil Dust - Medford, Oregon	SPECIATE 3.2	SOIL DUST	PM
41326C	Soil Dust - Bend, Oregon	SPECIATE 3.2	SOIL DUST	PM
41327C	Soil Dust - Klamath Falls, Oregon	SPECIATE 3.2	SOIL DUST	PM
41328C	Soil Dust - Grant's Pass, Oregon	SPECIATE 3.2	SOIL DUST	PM
41329C	Soil Dust - Eugene, Oregon	SPECIATE 3.2	SOIL DUST	PM
41330C	Soil Dust - Lagrange, Oregon	SPECIATE 3.2	SOIL DUST	PM
41331C	Soil Dust - Springfield, Oregon	SPECIATE 3.2	SOIL DUST	PM
41350C	Soil Dust - Composite	SPECIATE 3.2	SOIL DUST	PM
41351C	Soil Dust - Scab Composite	SPECIATE 3.2	SOIL DUST	PM
41352C	Soil Dust - Pocatello, Idaho	SPECIATE 3.2	SOIL DUST	PM
41353C	Soil Dust - Oregon Composite	SPECIATE 3.2	SOIL DUST	PM
41401C	Road Sand And Salt Mixture	SPECIATE 3.2	ROADWAY, ROAD SAND, ROAD SALT, VEHICLES	PM
41500C	Vegetative Detritus	SPECIATE 3.2	VEGETATIVE DETRITUS	PM
42101C	Wood Stoves - Pine Fuel	SPECIATE 3.2	PINE COMBUSTION, WOOD COMBUSTION, WOOD STOVE	PM
42102C	Wood Stoves - Average, All Fuels	SPECIATE 3.2	WOOD STOVE, WOOD COMBUSTION	PM
42103C	Wood Stoves - Oak Fuel	SPECIATE 3.2	OAK COMBUSTION, WOOD COMBUSTION, WOOD STOVE	PM

Profile Number	Name	Data Origin	Keyword	Profile Type
42104C	Residential Woodstove - Medford, Oregon	SPECIATE 3.2	WOOD COMBUSTION, WOOD STOVE	PM
42105C	Residential Woodstove - Pocatello, Idaho	SPECIATE 3.2	WOOD COMBUSTION, WOOD STOVE	PM
42106C	Residential Woodstove - Portland / Seattle	SPECIATE 3.2	WOOD COMBUSTION, WOOD STOVE	PM
42107C	Natural Gas Home Appliances	SPECIATE 3.2	NATURAL GAS COMBUSTION, NATURAL GAS HOME APPLIANCE	PM
42201C	Fireplaces - Softwoods	SPECIATE 3.2	FIREPLACES, SOFTWOOD COMBUSTION, WOOD COMBUSTION	PM
42202C	Fireplaces - Hardwoods	SPECIATE 3.2	FIREPLACES, HARDWOOD COMBUSTION, WOOD COMBUSTION	PM
42203C	Fireplaces - Softwoods	SPECIATE 3.2	FIREPLACES, SOFTWOOD COMBUSTION, WOOD COMBUSTION	PM
42204C	Fireplaces - Hardwoods	SPECIATE 3.2	FIREPLACES, HARDWOOD COMBUSTION, WOOD COMBUSTION	PM
42205C	Fireplaces - Synthetic Logs	SPECIATE 3.2	FIREPLACES, SYNTHETIC LOGS COMBUSTION, WOOD COMBUSTION	PM
42301C	Slash Burning	SPECIATE 3.2	WOOD COMBUSTION, SLASH BURNING	PM
42302C	Slash Burning	SPECIATE 3.2	WOOD COMBUSTION, SLASH BURNING	PM
42303C	Residential Wood Combustion - Composite	SPECIATE 3.2	WOOD COMBUSTION, WOOD STOVE, FIREPLACES	PM
42304C	Agricultural Field Burning	SPECIATE 3.2	FIELD BURNING	PM
42305C	Slash Burning (Conifer-Flaming Phase)	SPECIATE 3.2	WOOD COMBUSTION, SLASH BURNING	PM
42306C	Slash Burning (Conifer-Smoldering Phase)	SPECIATE 3.2	WOOD COMBUSTION, SLASH BURNING	PM
42307C	Slash Burning (Hardwood-Flaming Phase)	SPECIATE 3.2	WOOD COMBUSTION, SLASH BURNING	PM
42308C	Slash Burning (Hardwood-Smoldering Phase)	SPECIATE 3.2	WOOD COMBUSTION, SLASH BURNING	PM
42309C	Slash Burning (Ponderosa Pine-Flaming Phase)	SPECIATE 3.2	WOOD COMBUSTION, SLASH BURNING	PM
42310C	Slash Burning (Ponderosa Pine-Smoldering Phase)	SPECIATE 3.2	WOOD COMBUSTION, SLASH BURNING	PM
42311C	Slash Burning (Tractor-Piled: Flaming Phase)	SPECIATE 3.2	WOOD COMBUSTION, SLASH BURNING	PM
42312C	Slash Burning (Tractor-Piled: Smoldering Phase)	SPECIATE 3.2	WOOD COMBUSTION, SLASH BURNING	PM
42313C	Slash Burning (Crane-Piled: Flaming Phase)	SPECIATE 3.2	WOOD COMBUSTION, SLASH BURNING	PM
42314C	Slash Burning (Crane-Piled: Smoldering Phase)	SPECIATE 3.2	WOOD COMBUSTION, SLASH BURNING	PM
42315C	Slash Burning (Chaparral: Flaming Phase)	SPECIATE 3.2	WOOD COMBUSTION, SLASH BURNING	PM
42316C	Slash Burning (Chaparral: Smoldering Phase)	SPECIATE 3.2	WOOD COMBUSTION, SLASH BURNING	PM
42317C	Wood Combustion - Las Vegas Valley (1987)	SPECIATE 3.2	WOOD COMBUSTION, WOOD STOVE, FIREPLACES	PM
42318C	Residential Wood Combustion	SPECIATE 3.2	WOOD COMBUSTION, WOOD STOVE, FIREPLACES	PM
42319C	Residential Wood Combustion Composite	SPECIATE 3.2	WOOD COMBUSTION, WOOD STOVE, FIREPLACES	PM
42320C	Field Burning - Composite	SPECIATE 3.2	FIELD BURNING	PM
42321C	Forest Prescribed Burning - Broadcast Conifer	SPECIATE 3.2	WOOD COMBUSTION, PRESCRIBED BURN	PM
42322C	Field Burning - Annual Rye Grass	SPECIATE 3.2	FIELD BURNING	PM
42323C	Field Burning - Perennial Rye Grass	SPECIATE 3.2	FIELD BURNING	PM
42324C	Field Burning - Fescue	SPECIATE 3.2	FIELD BURNING	PM
42330C	Composite of Residential Wood Burning Sources	SPECIATE 3.2	WOOD COMBUSTION, WOOD STOVE, FIREPLACES	PM
42331C	Residential Woodstove Composite	SPECIATE 3.2	WOOD COMBUSTION, WOOD STOVE	PM
43101C	Marine Aerosol	SPECIATE 3.2	MARINE AEROSOL	PM
43201C	Residential Space Heating - Coal	SPECIATE 3.2	COAL COMBUSTION, SPACE HEATING	PM
43301C	Volcanic Ash	SPECIATE 3.2	VOLCANIC ASH	PM
43302C	Orchard Heating - Smudge Pots	SPECIATE 3.2	ORCHARD HEATING, SMUDGE POTS	PM
43303C	Coal-Fired Power Utility Fly Ash (Srm 1633)	SPECIATE 3.2	COAL COMBUSTION, UTILITY, POWER PLANT, ELECTRIC GENERATION, FLY ASH	PM
43304C	Limestone, Crustal	SPECIATE 3.2	CRUSTAL, LIMESTONE, CRUSTAL	PM
43305C	Shale, Crustal	SPECIATE 3.2	CRUSTAL, SHALE, CRUSTAL	PM
43306C	Sandstone, Crustal	SPECIATE 3.2	CRUSTAL, SANDSTONE, CRUSTAL	PM
43307C	Sediment, Crustal	SPECIATE 3.2	CRUSTAL, SEDIMENT, CRUSTAL	PM
43308C	Igneous Rock	SPECIATE 3.2	IGNEOUS ROCK	PM
43309C	Earth's Crust	SPECIATE 3.2	CRUSTAL	PM
44101C	Excavation - El Segundo, CA	SPECIATE 3.2	EXCAVATION, SOIL DUST	PM

Profile Number	Name	Data Origin	Keyword	Profile Type
44102C	Excavation - Haul Road	SPECIATE 3.2	EXCAVATION, SOIL DUST	PM
44103C	Excavation - Rock Crushing	SPECIATE 3.2	ROCK CRUSHING, SOIL DUST, EXCAVATION	PM
44104C	Soil Dust - Sandblasting & Plastering	SPECIATE 3.2	PLASTERING, SANDBLASTING, SOIL DUST	PM
90001C	Solid Waste - Average	SPECIATE 3.2	SOLID WASTE	PM
90002C	Chemical Manufacturing - Average	SPECIATE 3.2	INDUSTRIAL, CHEMICAL MANUFACTURING	PM
90003C	Food And Agriculture - Average	SPECIATE 3.2	FOOD AND AGRICULTURE, INDUSTRIAL	PM
90004C	Steel Production - Average	SPECIATE 3.2	STEEL, STEEL PRODUCTION, INDUSTRIAL	PM
90005C	Lead Smelters - Average	SPECIATE 3.2	LEAD, SMELTER, LEAD SMELTER, INDUSTRIAL	PM
90006C	Metal Mining - General Processes - Average	SPECIATE 3.2	METAL, MINING, METAL MINING	PM
90007C	Primary Metal Production - Average	SPECIATE 3.2	METAL, PRIMARY METAL, PRIMARY METAL PRODUCTION, INDUSTRIAL	PM
90008C	Secondary Metal Production - Average	SPECIATE 3.2	METAL, SECONDARY METAL, SECONDARY METAL PRODUCTION, INDUSTRIAL	PM
90009C	Secondary Aluminum - Average	SPECIATE 3.2	ALUMINUM, SECONDARY ALUMINUM, INDUSTRIAL	PM
90010C	Gray Iron Foundries - Average	SPECIATE 3.2	GRAY IRON, FOUNDRY, GRAY IRON FOUNDRY, INDUSTRIAL	PM
90011C	Steel Foundry - General	SPECIATE 3.2	FOUNDRY, STEEL, STEEL FOUNDRY, INDUSTRIAL	PM
90012C	Clay And Fly Ash Sintering - Average	SPECIATE 3.2	CLAY AND FLY ASH SINTERING, CLAY, FLY ASH, SINTERING, INDUSTRIAL	PM
90013C	Mineral Products - Average	SPECIATE 3.2	MINERAL PRODUCTS, INDUSTRIAL	PM
90014C	Petroleum Industry - Average	SPECIATE 3.2	PETROLEUM INDUSTRY, INDUSTRIAL	PM
90015C	Pulp And Paper Industry	SPECIATE 3.2	PULP AND PAPER INDUSTRY, PULP AND PAPER, INDUSTRIAL	PM
90016C	Industrial Manufacturing - Average	SPECIATE 3.2	INDUSTRIAL	PM

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## **APPENDIX B. PROTOCOL FOR EXPANSION OF SPECIATE DATABASE**

### **MEMORANDUM**

Date: May 30, 2005

To: Lee Beck, U.S. Environmental Protection Agency, Office of Research and Development

From: Y. Hsu and S. Roe, E.H. Pechan & Associates, Inc.

Subject: Protocol for Expansion of the SPECIATE Database  
EPA Contract No. 68-D-00-265, WA No. 4-46

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This memorandum is intended to guide profile data collectors on how to collect and present source profile data to maximize their utility to SPECIATE users, to assist future SPECIATE managers in assessing whether the data should be incorporated, and to facilitate the process for preparing profiles in SPECIATE format.

#### **Background**

In order to ensure that future profile development meets the needs of the SPECIATE user community, the SPECIATE Workgroup has prepared several recommendations for speciation profile developers based on recent SPECIATE database updates and previous guidance from EPA (EPA, 2002) and other scientists (Watson and Chow, 2002). For this discussion, SPECIATE users are defined as individuals who: (1) conduct regional haze, PM<sub>2.5</sub>, and ozone modeling; (2) prepare speciated emissions inventories; (3) use the Chemical Mass Balance or other receptor models; (4) and/or verify profiles derived from ambient monitoring measurements by multivariate receptor models such as UNMIX.

#### **Speciation Data Collection**

Profiles are defined as the weight percent of chemical species that make up a source-specific emission stream. Volatile organic compound (VOC) profiles should include the weight percent of each of the species present. When all organic gas species are present (e.g. methane), these profiles are referred to as total organic gas (TOG) profiles. At a minimum, these profiles should include the 56 Photochemical Assessment Monitoring Station (PAMS) species, as well as any other species that are available.

Particulate matter (PM) profiles should include the weight percent for each of the species present. Minimum data requirements are for the major elements reported by the IMPROVE and PM<sub>2.5</sub> Speciation Trends networks, water-soluble ions (sulfates and nitrates at a minimum, plus ammonium, potassium, sodium, chloride, fluoride, phosphate, calcium, and magnesium, if available), and carbon fractions (Total Carbon (TC), Organic Carbon (OC), and Elemental

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Carbon (EC)), preferably with other fractions that are defined by the method, such as the eight IMPROVE carbon fractions and carbonate carbon). Organic fractions, isotopic abundances, organic compounds, and single particle properties should be included, where they are reported and well-defined. Test results from dilution sampling trains are recommended for use in SPECIATE, since these results come closest to representing the composition of emissions in the ambient air.

Profile data must contain information on the chemical abundance of each species noted above. These data can be defined as the fraction of mass emissions of PM/VOC/TOG or the mass emission rate of each species (e.g. lb/ton, g/VMT, etc.). In addition to the estimate of central tendency for each species (e.g. mean, median), an estimate of the variability of each species should also be provided (e.g. standard deviation). Priority should be given to profiles that express the mean and standard deviation of individual test profiles for representative samples. If statistics other than the mean and standard deviation are provided, the method used to estimate central tendency and variability should be described.

Available information on the analytical uncertainty for individual test profiles should be identified and described separately. For example, if the analytical method for a certain species is known to have a precision of +/- 20%, then this information should be listed for each applicable species.

## **Documentation**

The primary reference for the profile should be cited as the source of documentation, not secondary references that might have compiled profile data from one or more primary references. Secondary references should be cited only when original profiles have been modified (i.e. by aerosol aging, different sample compositing, different normalization methods, etc.). The notes column in the SPECIATE database should be used to store this information, as well as additional descriptive information on the profile, such as vehicle model year, engine size, vehicle identification number, and other descriptors that might be used to document a mobile source profile.

Profile developers must provide extensive documentation of their results. This should include documentation of the entire experimental program. Where appropriate, this should include fuel type, operating parameters, type of facility, location, and date of test. Non-detects or incomplete analyses should be documented so that the reader fully understands the analytical results.

## **Data Format**

Profile developers should transmit data in a form that can be easily added to the SPECIATE database. The new SPECIATE database is a Microsoft Access relational database containing eight tables as described in Table C-1 of this appendix. The SPECIATE data structure is completely documented in the final report for SPECIATE 4.0. Information should be filled in as completely as possible, including references, test methods, analytical methods, Chemical Abstracts Service (CAS) numbers, data quality ratings, normalization basis, etc.

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## Data Normalization

Methods for profile normalization should be clearly documented, and the rationale for selecting the normalization basis should be stated. Normalization of organic gas data should be mass specific (i.e. mass species/mass TOG; emission rate species/emission rate TOG). Volume carbon basis is not recommended because it is more objective (assumptions are needed regarding the composition of unresolved species). Whenever possible, the total gas chromatography (GC)-elutable organic gases normalization basis should be used and documented.

Normalization of PM data should be size-specific. Ideally, the profile will be normalized on total PM (with a specified upper size limit), PM<sub>10</sub> and PM<sub>2.5</sub>. However, normalization based on other size fractions can also be accommodated in SPECIATE. The normalized mass can be measured or be the weighted sum of major chemical components (sulfate, nitrate, ammonium, soil elements with assumed or measured oxides, organic carbon, elemental carbon, and sea salt). Profiles normalized on total gravimetric mass are preferred; however, if the sum of measured species basis is used, this should be noted and the reasoning for selecting this method stated.

## Speciation Data Quality

Recommendations for or against inclusion of profiles in SPECIATE will be based on the perceived overall quality of the profiles. There are no simple criteria that can be set to scrutinize speciation data for inclusion in the SPECIATE database. The supporting information housed within SPECIATE is therefore critically important. The SPECIATE database provides structure sufficient to thoroughly document profiles and their underlying analysis, and should be completed as thoroughly as possible when preparing profiles for potential inclusion in the database.

Each profile has a quality rating that is assigned by the profile developer. The quality rating protocol is completely documented in the final report for SPECIATE 4.0. Speciation profiles developed from the following methods should be given a lower data quality rating:

1. Samples from combustion sources not collected by dilution sampling;
2. Low total speciated percentage (less than 80%);
3. PM profiles normalized by the “sum of species” mass, which assumes profiles of this type are fully speciated; and
4. Any noticeable outliers or other unreasonable test results (see examples provided below).

Additional profile quality considerations include:

- **Appropriate Method** – Reviewers experienced in analytical methods and application of speciation profiles will need to determine if characteristic compounds are present and properly measured. Sampling and analytical procedures need to be specific to the source and documented as thoroughly as possible. For example, the EPA Method TO-14 is not an appropriate method for dairy farm emission speciation. Since this method was



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developed to test industrial sources, fatty acids and other important organic species were not included in the target species list.

- **Measurement Precision** – Low precision is expected for certain species; the data quality ratings should reflect this issue. In cases where the sampling or analytical methods are found to be wholly inappropriate for a given species, these data should not be included in SPECIATE. For example, the wet chemistry using 2,4-Dinitrophenylhydrazine sampling procedure is not appropriate for acrolein measurement due to its poor recovery according to a study by California Air Resources Board (CARB) (Halm, 2003).
- **Overall Test Program Confidence** – Results obtained from the test program should be consistent with expectations for that source, and if not, the differences should be sufficiently accounted for. For example, in an U.S. Air Force sponsored study (AFIERA/RSEQ, 1998) measuring aircraft exhaust compositions, a brief discussion in the measurement section showed that the contractor measured essentially the same concentrations of target compounds in the background air as in the samples collected from aircraft exhaust. As a result, toxic species were reported at relatively low emission rates in this study. In cases where there are significant unexplainable results, the data should not be included in the SPECIATE database.
- **Source Category-specific Considerations** – For certain source categories such as the pulp and paper industry, oxygenated compounds contribute significantly to organic gas emissions. The generic total hydrocarbon (THC) method using flame ionization detectors (FID) calibrated with hydrocarbon standards (e.g. hexane) does not properly characterize the total TOG or VOC emissions. For processes whose emissions are dominated by methanol, this compound (and other oxygenated species) should be sampled and quantified separately using GC calibrated with a methanol standard (see Someshwar, 2003). Due to poor detector performance, the emission rates measured for THC were observed to be less than those measured specifically for methanol using an appropriate standard. Consequently, for this case, the THC is not suitable to serve as the normalization basis for this gas profile. The solution is to collect fully speciated data using appropriate methods and to consolidate all organic gases into a total organic gas profile for normalization.

**Table B-1. Descriptive Data Dictionary**

	Field	Type <sup>1</sup>	Length <sup>2</sup>	Decimals	Description
<b>PM_PROFILE Table</b>					
Primary key	P_NUMBER	C	10		PM Profile Number
	NAME	C	255		PM Profile Name
	QUALITY	C	3		Overall Subjective Profile Quality Rating (A-E) of the profile (related to the products of the V and D ratings, see section II.E of the final report for SPECIATE 4.0 for an explanation)
	CONTROLS	C	100		Emission Controls Description
	P_DATE	D			Date profile added
	NOTES	M			Notes
	TOTAL	N	6	2	Sum of species percentages for a given profile, excluding organic species, inorganic gases, and elemental sulfur in individual PM profiles. (See Section IV.F "Double Counting Compounds" of this report for rationale.)
	MASTER_POL	C	5		Indicates the pollutant to be used in calculation. Allowed value: 'PM' In the future, other values may be allowed (e.g., PM_PRI, PM_FIL, PM_CON)
	T_METHOD	M			Description of sampling method
	NORM_BASIS	C	25		Description of how profile was normalized (see section IV.E for details)
	ORIG_COMPO	C	1		Specifies whether the profile is original or composite. Allowed values: 'C','O'
	STANDARD	L	1		Indicates whether the profile is provided by EPA SPECIATE (standard) or user-added. The database is constructed to allow users to add profiles.
	INCL_GAS	L	1		Indicates whether or not the profile includes inorganic gas species (e.g., sulfur dioxide, hydrogen sulfide, oxides of nitrogen, etc.)
	TEST_YEAR	N	4	0	Indicates year testing was conducted
	J_RATING	N	4	2	Subjective expert judgment rating based on general merit (see section II.E of the final report for SPECIATE 4.0 for an explanation)
	V_RATING	N	4	2	Vintage based on TEST_YEAR field (see section II.E of the final report for SPECIATE 4.0 for an explanation)
	D_RATING	N	4	2	Data quality rating based on number of observations, robustness (see section II.E for an explanation)
	REGION	C	50		Geographic region of applicability
	LOWER_SIZE	N	5	2	Identifies lower end of aerodynamic diameter particle size, micrometers
	UPPER_SIZE	N	5	2	Identifies upper end of aerodynamic diameter particle size, micrometers

**Table B-1 (continued)**

	<b>Field</b>	<b>Type<sup>1</sup></b>	<b>Length<sup>2</sup></b>	<b>Decimals</b>	<b>Description</b>
Foreign key	SIBLING	C	10		GAS Profile number; samples taken from the same source and study, if available.
	LEGACY	L	1		Was the profile taken from SPECIATE 3.2?
	SIMPLIFIED	L	1		Is the profile a PM Simplified Profile?
<b>PM_SPECIE Table</b>					
Primary key	ID	N	9	0	Unique Identifier
Foreign key	SPECIE_ID	N	9	0	Specie Identifier (The same as ID in SPECIE_PROPERTIES)
Foreign key	P_NUMBER	C	10		PM Profile number (Link to PM_Profile Table)
	WEIGHT_PER	N	7	3	Weight percent of pollutant (%)
	UNCERTAINT	N	7	3	Uncertainty percent of pollutant
	UNC_METHOD	C	25		Description of method used to calculate uncertainty
	ANLYMETHOD	C	50		Description of Analytical method (e.g., X-ray fluorescence spectroscopy, ion chromatography, etc.)
<b>REFERENCE Table</b>					
Primary key	ID	N	9	0	Unique Identifier
Foreign key	P_TYPE	C	1		Indicates PM or GAS. Allowed values: P (PM), G (Gas)
Foreign key	P_NUMBER	C	10		Profile number (Link to PM_PROFILE and GAS_PROFILE tables)
	DATA_ORIGN	C	50		Source of data (e.g., EPA Air Pollution Prevention and Control Division (APPCD), Schauer, CARB, Desert Research Institute (DRI), Literature)
	PRIMARY	L			Designates a reference as primary. When a profile is based on multiple references, this field allows one reference to be tagged as the primary reference.
	DESCRIPTIO	M			Stores the descriptive information about the profile.
	DOCUMENT	M			Complete reference citation.
<b>GAS_PROFILE Table</b>					
Primary key	P_NUMBER	C	10		GAS Profile Number
	NAME	C	255		GAS Profile Name
	QUALITY	C	3		Overall Subjective Profile Quality Rating (A-E) of the profile (related to the products of the V and D ratings, see section II.E of the final report for SPECIATE 4.0 for an explanation)
	CONTROLS	C	100		Emission Controls Description
	P_DATE	D			Date profile added
	NOTES	M			Notes

**Table B-1 (continued)**

	<b>Field</b>	<b>Type<sup>1</sup></b>	<b>Length<sup>2</sup></b>	<b>Decimals</b>	<b>Description</b>
	TOTAL	N	6	2	Sum of organic gas species percentages for a given profile
	MASTER_POL	C	4		Indicates the pollutant to be used in calculation. Allowed values: 'VOC', 'TOG'. When methane was not measured in a study, ethane, acetone and other non-VOCs are removed from the profile and it is defined as a VOC profile.
	T_METHOD	M			Description of sampling method
	NORM_BASIS	C	25		Description of how profile was normalized
	ORIG_COMPO	C	1		Specifies whether the profile is original or composite. Allowed values: 'C','O'
	STANDARD	L	1		Indicates whether the profile is provided by EPA SPECIATE (standard) or user-added. The database is constructed to allow users to add profiles.
	TEST_YEAR	N	4		Indicates year testing was conducted
	J_RATING	N	4	2	Subjective expert judgment rating based on general merit (see section II.E of the final report for SPECIATE 4.0 for an explanation)
	V_RATING	N	4	2	Vintage based on TEST_YEAR field (see section II.E of the final report for SPECIATE 4.0 for an explanation)
	D_RATING	N	4	2	Data quality rating based on number of observations, robustness (see section II.E of the final report for SPECIATE 4.0 for an explanation)
	REGION	C	50		Geographic region of source
Foreign key	SIBLING	C	10		PM Profile number; samples taken from the same source and study, if available.
	LEGACY	L	1		Was the profile taken from SPECIATE 3.2?
	VOCtoTOG	N	7	3	VOC to TOG conversion factor
<b>GAS_SPECIE Table</b>					
Primary key	ID	N	9	0	Unique Identifier
Foreign key	SPECIE_ID	N	9	0	Species Identifier (Must be the same as ID in SPECIE_PROPERTIES)
Foreign key	P_NUMBER	C	10		GAS Profile Number (Link to GAS_PROFILE table)
	WEIGHT_PER	N	6	2	Weight percent of pollutant (%)
	UNCERTAINT	N	7	3	Uncertainty percent of pollutant
	UNC_METHOD	C	25		Description of method used to calculate uncertainty
	ANLYMETHOD	C	50		Description of Analytical method (e.g., gas chromatography (GC)/flame ionization detector (FID), GC/mass spectrometer (MS), high performance liquid chromatography (HPLC)/ultraviolet-visible (UV))

**Table B-1 (continued)**

	<b>Field</b>	<b>Type<sup>1</sup></b>	<b>Length<sup>2</sup></b>	<b>Decimals</b>	<b>Description</b>
<b>KEYWORD Table</b>					
Primary key	ID	N	9	0	Unique Identifier
Foreign key	P_TYPE	C	1		Indicates PM or GAS. Allowed values: P, G
Foreign key	P_NUMBER	C	10		Profile Number (Link to PM_PROFILE and GAS_PROFILE Tables)
	KEYWORD	C	255		Keyword describing profile
<b>SPECIE_PROPERTIES Table</b>					
Primary key	ID	N	9	0	Unique Identifier (Link to PM_SPECIES and GAS_SPECIES tables)
	CAS	C	50		Chemical Abstracts Service number assigned to pollutant (with hyphens) (blank if no CAS)
	EPA_ID	C	50		EPA Chemical Identifier; to be provided by EPA Substance Registry System (SRS) for species without CAS numbers
	SAROAD	C	5		Storage and Retrieval of Aerometric Data (SAROAD) code
	PAMS	L	1		Is PAMS pollutant? (Yes or No)
	HAPS	L	1		Is Hazardous Air Pollutant? (Yes or No)
	NAME	C	255		Pollutant name
	SYMBOL	C	9		Standard chemical abbreviation (provided by Eric Fujita, DRI)
	SPEC_MW	N	6	2	Species molecular weight
	NonVOCTOG	L	1		Is this species not regarded as a volatile organic gas?
	EPAITN	C	9		EPA Internal Tracking Number
	SPECIATETempID	C	25		SPECIATE Temporary ID
<b>MNEMONIC Table</b>					
Primary key	ID	N	9	0	Unique Identifier
Foreign key	P_TYPE	C	1		Indicates PM or GAS. Allowed values: P (PM), G (Gas)
Foreign key	P_NUMBER	C	10		Profile number (Link to PM_PROFILE and GAS_PROFILE tables)
	DRI_PNUMBR	C	6		DRI profile number (Original DRI profile numbers)
	MNEMONIC	C	60		Alphanumeric code unique to each profile. Used in CMB input files.

<sup>1</sup> Field types. C: Character; D: Date; L: Logical; M: Memo; N: Numeric; Object.

<sup>2</sup> Length – length allowed.

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**References:**

AFIERA/RSEQ, 1998. *Aircraft Engine and Auxiliary Power Unit Emissions Testing for the US Air Force*, Environmental Quality Management Inc, and Roy F. Weston Inc., December 1998.

EPA, 2002. *Draft Guidelines for the Development of Total Organic Compound and Particulate Matter Chemical Profiles*, developed by Emission Factors and Inventory Group, U.S. EPA, September 25, 2002.

Halm, 2003. Halm, C. of California Air Resources Board personal communication with Ying Hsu of E.H. Pechan & Associates, Inc., 2003.

Someshwar, 2003. Arun Someshwar, *Compilation of 'Air Toxic' and Total Hydrocarbon Emissions Data for Sources at Kraft, Sulfite and Non-Chemical Pulp Mills – an Update*, Technical Bulletin No. 858, National Council for Air and Stream Improvement, February, 2003.

Watson and Chow, 2002. Watson, J. and J. Chow, *Considerations in Identifying and Compiling PM and VOC Source Profiles for the SPECIATE Database*, Desert Research Institute, August, 2002.

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## APPENDIX C. SPECIATION PROFILES FOR EXAMPLE MIXTURES

**Table C-1. New SPECIATE Profile #3141 for Mineral Spirits**

Chemical Name	Weight Percent	CAS
METHYLCYCLOHEXANE	9.80	108872
N-HEPTANE	5.10	142825
N-UNDECANE	4.47	1120214
N-DECANE	4.34	124185
TOLUENE	4.15	108883
N-OCTANE	3.86	111659
ACETONE	3.48	67641
CIS-1,3-DIMETHYLCYCLOHEXANE	2.46	638040
ETHYL ALCOHOL	2.37	64175
2-METHYLHEPTANE	2.18	592278
2,6-DIMETHYLNONANE	1.40	17302282
3-METHYLHEPTANE	1.38	589811
1,2,4-TRIMETHYLBENZENE {1,3,4-TRIMETHYLBENZENE}	1.38	95636
1,2,4-TRIMETHYLCYCLOPENTANE	1.33	99073
2-METHYLHEXANE	1.29	591764
TRANS,TRANS-1,2,4-TRIMETHYLCYCLOHEXANE	1.21	1678804
N-NONANE	1.17	111842
1,2-DIMETHYLCYCLOPENTANE	1.15	2452995
N-BUTYL ACETATE	1.14	123864
M-XYLENE	1.12	108383
ETHYL PROPYLCYCLOHEXANES	1.10	90090
ETHYLCYCLOHEXANE	1.01	1678917
4-METHYLNONANE	0.94	17301949
METHYL AMYL KETONE	0.86	110430
TRANS-1,4-DIMETHYLCYCLOHEXANE	0.85	2207047
TRANS-1,3-DIMETHYLCYCLOHEXANE	0.83	2207036
2-METHYLDECANE	0.83	6975980
METHYL PROPYLCYCLOHEXANES	0.82	26967646
2,6-DIMETHYLHEPTANE	0.76	1072055
3-METHYLDECANE	0.75	13151343
CIS-1,CIS-3,5-TRIMETHYLCYCLOHEXANE	0.69	1795273
1,2,3-TRIMETHYLCYCLOPENTANE	0.68	99074
TRANS,CIS-1,2,4-TRIMETHYLCYCLOHEXANE	0.67	99075
1,1,3-TRIMETHYLCYCLOPENTANE	0.66	4516692
1,1,3-TRIMETHYLCYCLOHEXANE	0.65	3073663
4-METHYLDECANE	0.64	2847725
1,2,3-TRIMETHYLBENZENE	0.63	526738
TRANS,TRANS-1,3,5-TRIMETHYLCYCLOHEXANE	0.63	99076
5-METHYLDECANE	0.63	13151354
4-METHYLHEPTANE	0.60	589537
BUTYLCYCLOHEXANE	0.58	1678939
N-DODECANE	0.57	112403



**Table C-1 (continued)**

<b>Chemical Name</b>	<b>Weight Percent</b>	<b>CAS</b>
2-METHYLNONANE	0.56	871830
ETHYLCYCLOPENTANE	0.56	1640897
TRANS-1,3-DIMETHYLCYCLOPENTANE	0.54	1759586
2,6-DIMETHYLOCTANE	0.54	2051301
5-METHYLINDAN	0.52	874351
1-METHYL-4N-PROPYLBENZENE	0.51	1074551
2,3-DIMETHYLOCTANE	0.49	7146603
BUTYL CELLOSOLVE {2-BUTOXYETHANOL} {EGBE}	0.48	111762
2,4-DIMETHYLHEXANE	0.45	589435
1-METHYL-4-ETHYLBENZENE	0.45	622968
4-METHYLOCTANE	0.45	2216344
2,5-DIMETHYLHEPTANE	0.44	2216300
3,7-DIMETHYLNONANE	0.44	17302328
CIS-1-ETHYL-3-METHYLCYCLOHEXANE	0.44	19489102
ETHYLBENZENE	0.43	100414
PROPYLCYCLOHEXANE	0.43	1678928
CIS-1,3-DIMETHYLCYCLOPENTANE	0.41	2532583
1-METHYLINDAN	0.41	767588
1-METHYL-3-ISOPROPYLBENZENE	0.41	535773
3-METHYLOCTANE	0.40	2216333
1,2,3-TRIMETHYLCYCLOHEXANE	0.40	1678973
OTHER C12	0.39	99035
METHYL ALCOHOL	0.37	67561
1-METHYL-2-ETHYLBENZENE	0.37	611143
2,5-DIMETHYLNONANE	0.37	17302271
P-XYLENE	0.35	106423
1-METHYL-3-ISOPROPYLCYCLOHEXANE	0.35	99040
1,2-DIMETHYL-4-ETHYLBENZENE	0.34	934805
3-METHYLNONANE	0.33	5911046
1-METHYL-3-ETHYLBENZENE	0.33	620144
O-XYLENE	0.32	95476
2,3-DIMETHYLHEXANE	0.32	584941
PENTYLCYCLOPENTANE	0.32	3741002
1-METHYL-2-ISOPROPYLCYCLOHEXANE	0.32	99041
3-ETHYLHEXANE	0.32	619998
2-METHYLOCTANE	0.31	3221612
OTHER C9	0.30	99032
ISOBUTYLCYCLOHEXANE	0.30	1678984
2-METHYLUDECANE {ISODODECANE}	0.30	7045718
ISOPROPYLCYCLOHEXANE	0.29	696297
1,2,3,5-TETRAMETHYLBENZENE	0.29	527537
CIS,TRANS-1,2,4-TRIMETHYLCYCLOHEXANE	0.28	99079
1,3-DIMETHYL-2-ETHYLBENZENE	0.26	2870044
2,6-DIMETHYLDECANE	0.26	13150817
1,3-DIMETHYL-5-ETHYLBENZENE	0.26	934747
1,1-DIMETHYLCYCLOHEXANE	0.26	590669

**Table C-1 (continued)**

<b>Chemical Name</b>	<b>Weight Percent</b>	<b>CAS</b>
NAPHTHALENE	0.25	91203
ISOPROPYLBENZENE (CUMENE)	0.24	98828
DIETHYLCYCLOHEXANE	0.24	98062
2,4-DIMETHYLHEPTANE	0.23	2213232
TRANS-1-ETHYL-3-METHYLCYCLOHEXANE	0.23	99080
1,1,2-TRIMETHYLCYCLOPENTANE	0.22	4259001
1,2,4,5-TETRAMETHYLBENZENE	0.22	95932
1,4-DIMETHYL-2-ETHYLBENZENE	0.21	1758889
PENTYLCYCLOHEXANE	0.21	4292926
TRANS-1-ETHYL-4-METHYLCYCLOHEXANE	0.21	99082
INDAN	0.20	496117
3-ETHYL-2-METHYLHEPTANE	0.19	14676290
4,5-DIMETHYLOCTANE	0.19	15869962
1,1,3,4-TETRAMETHYLCYCLOHEXANE	0.18	99043
6-ETHYL-2-METHYLOCTANE	0.18	99044
3-PHENYLPENTANE	0.18	1196583
6-METHYLUDECANE	0.18	99045
2,3-DIMETHYLPENTANE	0.17	565593
1-ETHYL-2-METHYLCYCLOPENTANE	0.17	99083
1-ETHYL-3-METHYLCYCLOPENTANE	0.17	99048
1,2-DIMETHYL-3-ETHYLCYCLOHEXANE	0.17	99046
CYCLOHEXANE	0.16	110827
3-ETHYLHEPTANE	0.16	15869804
4-ETHYLDECANE	0.16	99049
CIS-1,4-DIMETHYLCYCLOHEXANE	0.16	624293
OTHER C10	0.16	99033
3-METHYLHEXANE	0.15	589344
1-ETHYL-4-ISOPROPYLBENZENE	0.15	4218488
CIS-BICYCLO[4.3.0]NONANE	0.15	4551513
3,4-DIMETHYLHEXANE	0.15	583482
1,1,4-TRIMETHYLCYCLOHEXANE	0.15	7094271
1,3-DIMETHYL-4-ETHYLBENZENE	0.14	874419
OTHER C11	0.14	99034
3-ETHYL-3-METHYLOCTANE	0.14	99051
2-METHYLDECALIN	0.14	99050
3,6-DIMETHYLOCTANE	0.13	15869940
TRANS-1-ETHYL-2-METHYLCYCLOHEXANE	0.13	4923788
(2-METHYLBUTYL)CYCLOHEXANE	0.13	99052
1,2-DIETHYL-1-METHYLCYCLOHEXANE	0.13	99053
CIS,CIS-1,2,4-TRIMETHYLCYCLOHEXANE	0.13	99054
3-METHYLUDECANE	0.13	1002433
1,3,5-TRIMETHYLBENZENE	0.12	108678
2,2,5-TRIMETHYLHEXANE	0.12	3522949
3,5-DIMETHYLOCTANE	0.12	15869939
4-METHYLUDECANE	0.12	2980690
(1-METHYLPROPYL)BENZENE	0.11	135988

**Table C-1 (continued)**

<b>Chemical Name</b>	<b>Weight Percent</b>	<b>CAS</b>
5-METHYLUNDECANE	0.11	1632708
HEXYLCYCLOPENTANE	0.11	99057
5-ISOPROPYLNONANE	0.11	99056
2-ETHYL-1,3-DIMETHYLCYCLOHEXANE	0.11	99055
3,4-DIMETHYLOCTANE	0.11	15869928
3-ETHYLOCTANE	0.11	5881174
CIS-1,2-DIMETHYLCYCLOHEXANE	0.10	2207014
1,1-DIMETHYLCYCLOPENTANE	0.10	1638262
2,3,4-TRIMETHYLPENTANE	0.09	565753
2-METHYL-3-ETHYLPENTANE	0.09	609267
CIS,TRANS-1,2,3-TRIMETHYLCYCLOHEXANE	0.09	20348725
2,6-DIMETHYLUNDECANE	0.09	17301234
4-METHYLINDAN	0.09	824226
2,4-DIMETHYLPENTANE	0.08	108087
PROPYLCYCLOPENTANE	0.08	2040962
2,7-DIMETHYLOCTANE	0.08	1072168
1,1-DIMETHYL-2-PROPYLCYCLOHEXANE	0.08	99059
1-ETHYL-2,2,6-TRIMETHYLCYCLOHEXANE	0.08	99060
1,1-METHYLETHYLCYCLOPENTANE	0.07	16747505
1,1,2-TRIMETHYLCYCLOHEXANE	0.07	7094260
1-ETHYL-1,2-DIMETHYLCYCLOHEXANE	0.07	99061
TRANS-1,2-DIMETHYLCYCLOHEXANE	0.07	6876239
1,1,2,3-TETRAMETHYLCYCLOHEXANE	0.06	99062
3,3,5-TRIMETHYLHEPTANE	0.06	7154805
2,4-DIMETHYLNONANE	0.06	17302248
CIS-DECALIN	0.06	493016
1-ETHYL-2,4-DIMETHYLCYCLOHEXANE	0.06	99063
1-METHYL-4-ISOBUTYLBENZENE	0.06	99064
N-TRIDECANE	0.05	629505
3-ETHYLDECANE	0.05	17085960
CIS-1-ETHYL-2-METHYLCYCLOHEXANE	0.05	4923777
CIS-1-ETHYL-4-METHYLCYCLOHEXANE	0.05	3728561
CIS-BICYCLO[3.3.0]OCTANE	0.05	694724
4,5-DIMETHYLDECANE	0.05	99066
1,3-DIMETHYL-4-ISOPROPYLBENZENE	0.05	99065
1-METHYL-4-ISOPROPYLBENZENE	0.05	99876
N-PROPYLBENZENE	0.05	103651
2-METHYLNAPHTHALENE	0.04	91576
2,2,3,3-TETRAMETHYLPENTANE	0.04	7154792
CIS-1-ETHYL-2-METHYLCYCLOPENTANE	0.04	930892
OTHER C13	0.04	99037
2,5-DIMETHYLHEXANE	0.03	592132
1-METHYL-3-BUTYLBENZENE	0.03	99084
2,2-DIMETHYLHEPTANE	0.03	1071267
METHYL ISOBUTYL KETONE	0.03	108101
2,7-DIMETHYLDECANE	0.03	99067

**Table C-1 (continued)**

<b>Chemical Name</b>	<b>Weight Percent</b>	<b>CAS</b>
3,5-DIMETHYLNONANE	0.03	99068
2,3-DIMETHYLHEPTANE	0.03	3074713
OTHER C8	0.03	99031
N-BUTYL ALCOHOL	0.02	71363
3-ETHYL-4-METHYLHEPTANE	0.02	52896910
2,3,5-TRIMETHYLHEPTANE	0.02	20278857
1,1,3,5-TETRAMETHYLCYCLOHEXANE	0.02	4306654
HEXYLCYCLOHEXANE	0.02	4292755
TRANS-1-ETHYL-3-METHYLCYCLOPENTANE	0.02	99085
CIS-1-ETHYL-3-METHYLCYCLOPENTANE	0.02	99071
1,2,3-TRIMETHYL-4-ETHYLBENZENE	0.02	99070
OTHER C14	0.02	99038
STYRENE	0.02	100425
2,5-DIMETHYLOCTANE	0.02	15869893
METHYLCYCLOPENTANE	0.01	96377
2,4-DIMETHYLOCTANE	0.01	4032944
METHYL ETHYL KETONE (MEK) (2-BUTANONE)	0.01	78933
1-METHYL-4-ISOPROPYLCYCLOHEXANE	0.01	99821
METHYL PENTYLCYCLOHEXANE	0.01	99072

**Table C-2. New SPECIATE Profile #4439 For Xylene Mixtures**

<b>Chemical Name</b>	<b>Weight Percent</b>	<b>CAS</b>
M-XYLENE	44.63	108383
O-XYLENE	19.82	95476
P-XYLENE	19.35	106423
ETHYL BENZENE	15.45	100414
TOLUENE	0.21	108883
1-ETHYL-3-METHYL BENZENE	0.15	620144
PROPYL BENZENE	0.15	98828
ISOPROPYL BENZENE	0.08	103651
1,2,4-TRIMETHYL BENZENE	0.06	95636
1-ETHYL-4-METHYL BENZENE	0.05	622968
1,3,5-TRIMETHYL BENZENE	0.03	108678
1-ETHYL-2-METHYL BENZENE	0.02	611143