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State of California  
Air Resources Board

# Identification of Volatile Organic Compound Species Profiles

ARB Speciation Manual  
Second Edition  
Volume 1 of 2

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## IDENTIFICATION OF VOLATILE ORGANIC COMPOUND SPECIES PROFILES

This document provides information on the Volatile Organic Compound (VOC) speciation profiles used by the Air Resources Board, including the intended applications and limitations of the profiles.

The purpose of the speciation profiles is to identify the chemical species (including some toxic substances) contained in organic gas emissions. The manual contains tables that identify source types and composition of the VOC emissions that are associated with those sources. This edition of the manual includes updates to the first edition which was published by the Air Resources Board in July 1989.

A VOC Species Profile identifies and quantifies the organic species that comprise the total organic gas (TOG) emissions for a particular source category. Each VOC Species Profile is identified by a VOC profile code. Each profile contains a list of the individual chemical species in the organic gas, and a weight fraction associated with the individual species. Species profiles have been developed using a variety of methods, including source testing, literature review, and engineering judgement. Profiles are periodically reviewed and updated as appropriate.

To use the manual, follow the procedure outlined below.

1. Use Tables I-A and I-B to identify the appropriate source category. Table I-A lists the Source Classification Codes (SCC) for point sources; Table I-B lists the Category of Emission Source Codes (CES) for area sources. Tables I-A and I-B also list the VOC profile code corresponding to the

SCC or CES number. Find the appropriate SCC or CES number for the process in question.

2. Use Table II to find the VOC Species Profile. The profiles are listed in order of VOC profile number. Using the profile number found in step 1, find the profile to identify the species names and weight fractions.

### DESCRIPTION OF TABLES

Tables I-A and I-B - Source Codes SCC and CES: These tables contain the Source Classification Codes (SCCs) and Category of Emission Source (CES) categories and subcategories as of July 1991. The SCCs are listed in numerical order, while the CESs are listed by major category.

SCCs and CESs are used to identify and characterize the emitting processes associated with the reported emissions in the Air Resources Board's Emission Data System.

SCCs are assigned by the Environmental Protection Agency for point sources, and consist of eight-digit numbers. SCC numbers marked by a double asterisk (\*\*) in Table I-A have been discontinued and should no longer be used. They are included in the table for ARB and district use in identifying processes so categorized in previous years. SCC numbers listed with "SEE COMMENT" should only be used after consulting the local Air Pollution Control District (APCD) or Air Quality Management District (AQMD). When using these SCC numbers, the process should be explained in all reporting forms sent to the district office. Also, new SCC numbers assigned by EPA which are not currently used by ARB, are not included in the tables. These SCCs do not have VOC species profiles.

CES codes are assigned by the Air Resources Board for area sources, and consist of five-digit numbers.

Tables I-A and I-B also provide the code for the VOC profile that is assigned to each SCC and CES. The profile codes are assigned by ARB, and are numbered from 3 to 801, except for dust emissions categories which have a profile code of 0.

Ideally, each source category would be characterized by a unique VOC profile. However, because this is not always possible given currently available data, a VOC profile may be assigned to other categories that are judged to be similar to the source category(ies) for which the profile was originally developed or intended.

Table II - VOC Species Profiles: This table provides species profiles according to the VOC profile codes presented in Tables I-A and I-B. Each SCC and CES has been assigned a VOC profile code, representing a VOC Species Profile. A VOC Species Profile identifies the organic species and the weight fraction of each of the species that make up the TOG emissions for a particular SCC or CES category. Each profile entry in the table contains the following information:

VOC Profile Number	- unique number assigned to a VOC profile
VOC Profile Name	- describes the applicable source category for which the profile was originally developed
Species	- names of the chemical species
Weight Fraction	- weight fraction of each species

The VOC Species Profiles are primarily documented in the EPA's Volatile Organic Compound (VOC) Species Data Manual.<sup>1</sup> The profiles are developed from chemical analyses of emissions from various sources and the application of good engineering judgement in assigning a profile to

emissions from an unanalyzed source type. The ARB staff uses most of EPA's profiles and has supplemented some of them with species data from other sources. In the case where the speciation for a given source is unknown, a default profile, 600, is assigned. This profile represents an inventory-averaged profile and should be used only with caution and in developmental applications. Dust source categories are assigned a profile code of 0, which has no species profile due to zero or negligible VOC emissions.

The weight fractions of some profiles for some sources do not total to exactly one. This occurs because the test method used to establish the emission factor of Total Organic Gas (TOG) is different from the method used to develop the species profile. The inaccuracy introduced does not significantly affect the accuracy of the emission factors or the use of the profiles.

#### REFERENCE

1. EPA. January 1990. Air Emission Species Manual. Vol. 1: Volatile Organic Compound Species Profiles. Second Ed. EPA-450/2-90-001a. Research Triangle Park, North Carolina.

TABLE II  
VOC SPECIES PROFILE

3 EXTERNAL COMBUSTION BOILER- NATURAL GAS

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
3	BENZENE	.0325
	CYCLOHEXANE	.0087
	FORMALDEHYDE	.0768
	ISOMERS OF HEXANE	.0090
	ISOMERS OF PENTANE	.0810
	METHANE	.5600
	N-BUTANE	.0815
	N-PENTANE	.0540
	PROPANE	.0366
	TOLUENE	.0164
*TOTAL	3	.9565

4 BOILERS- REFINERY GAS

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
4	ETHANE	.1959
	FORMALDEHYDE	.0702
	ISOBUTANE	.0399
	METHANE	.0760
	N-BUTANE	.2093
	PROPANE	.1732
	PROPYLENE	.1530
*TOTAL	4	.9174

5 BOILERS- COKE OVEN GAS

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
5	ACETYLENE	.0065
	BENZENE	.0154
	ETHANE	.0234
	ETHYLENE	.1023
	METHANE	.8280
	PROPYLENE	.0026
*TOTAL	5	.9783

TABLE II  
VOC SPECIES PROFILE

9 INDUSTRIAL ICE- DISTILLATE OIL

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
9	ACETYLENE	.0917
	BENZENE	.0641
	BUTENE	.1172
	ETHANE	.0262
	ETHYLENE	.2509
	METHANE	.1160
	PROPYLENE	.1513
	1,3-BUTADIENE	.0590
*TOTAL	9	.8765

11 COKE OVEN STACK GAS- PRIMARY METALS

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
11	ACETYLENE	.0097
	BENZENE	.1144
	BUTENE	.0009
	ETHANE	.0750
	ETHYLENE	.2422
	METHANE	.4530
	PROPANE	.0046
	PROPYLENE	.0166
	TOLUENE	.0057
	1,3-BUTADIENE	.0042
*TOTAL	11	.9264

13 IRON SINTERING- PRIMARY METALS

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
13	ACETYLENE	.1201
	ETHANE	.0281
	ETHYLENE	.0516
	METHANE	.7330
	PROPYLENE	.0262
*TOTAL	13	.9591



TABLE II  
VOC SPECIES PROFILE

21 ASPHALT ROOFING- BLOWING OPERATION

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
21	FORMALDEHYDE	.0250
	ISOMERS OF HEPTANE	.0360
	ISOMERS OF HEXANE	.0180
	N-HEPTANE	.1580
	N-HEXANE	.0180
	N-OCTANE	.7450
*TOTAL	21	1.0000

22 ASPHALT ROOFING- DIPPING

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
22	ETHANE	.0100
	ETHYLENE	.0200
	ISOBUTANE	.0800
	ISOMERS OF HEPTANE	.1100
	ISOMERS OF HEXANE	.1200
	ISOMERS OF OCTANE	.0100
	N-BUTANE	.1800
	N-HEPTANE	.1400
	N-HEXANE	.0200
	N-PENTANE	.1800
	PROPANE	.1300
*TOTAL	22	1.0000

TABLE II  
VOC SPECIES PROFILE

24 ASPHALT ROOFING - TAR KETTLE

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
24	BENZENE	.0080
	BUTENE	.0700
	CYCLOPENTANE	.0250
	C7 CYCLOPARAFFINS	.0290
	C8 CYCLOPARAFFINS	.0040
	C9 CYCLOPARAFFINS	.0150
	ETHANE	.0540
	ETHYLENE	.0030
	ISOBUTANE	.0070
	ISOMERS OF HEXANE	.0340
	ISOMERS OF OCTANE	.0740
	ISOMERS OF PENTANE	.0110
	ISOMERS OF PENTENE	.0050
	METHANE	.2130
	N-BUTANE	.1160
	N-HEPTANE	.0200
	N-HEXANE	.0490
	N-OCTANE	.0270
	N-PENTANE	.0630
	PROPANE	.1020
	PROPYLENE	.0200
	TOLUENE	.0190
	1-PENTENE	.0320
*TOTAL	24	1.0000

29 REFINERY CO BOILER- FCC

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
29	FORMALDEHYDE	.5031
	ISOMERS OF HEXANE	.1164
	METHANE	.3600
*TOTAL	29	.9795

TABLE II  
VOC SPECIES PROFILE

31 REFINERY- FUGITIVE EMISSIONS FROM COVERED  
DRAINAGE/SEPARATION PITS

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
31	BENZENE	.0240
	C7 CYCLOPARAFFINS	.1690
	C8 CYCLOPARAFFINS	.0520
	ETHANE	.0170
	ISOBUTANE	.0450
	ISOMERS OF HEXANE	.1220
	ISOMERS OF PENTANE	.1010
	METHANE	.0290
	N-BUTANE	.1430
	N-HEXANE	.1190
	N-PENTANE	.1200
	PROPANE	.0590
*TOTAL	31	1.0000

35 REFINERY COOLING TOWERS FUGITIVE EMISSIONS

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
35	ISOMERS OF PENTANE	1.0000
*TOTAL	35	1.0000

51 REFINERY FLARES- NATURAL GAS

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
51	ETHANE	.2812
	FORMALDEHYDE	.1912
	METHANE	.2000
	PROPANE	.2749
*TOTAL	51	.9473

TABLE II  
VOC SPECIES PROFILE

66 VARNISH MANUFACTURING

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
66	ACETONE	.3870
	GLYCOL ETHER	.0300
	METHYL ETHYL KETONE	.4160
	METHYL ISOBUTYL KETONE	.1670
*TOTAL	66	1.0000

TABLE II  
VOC SPECIES PROFILE

72 PRINTING INK COOKING- GENERAL

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
72	A-PINENE	.0003
	ACETONE	.0550
	BENZOTHIAZOLE	.0001
	BUTYLCYCLOHEXANE	.0043
	CHLOROBENZENE (MONOCHLOROBENZE CYCLOHEXANE	.0007
	C10 OLEFINS	.0500
	C10 PARAFFIN	.0055
	C11 OLEFINS	.0019
	C12 OLEFINS	.0025
	C4 ALKYLPHENOLS	.0003
	C5 ALKYL BENZENES	.0010
	C5 ALKYLPHENOLS	.0003
	C8 OLEFINS	.0004
	C9 OLEFINS	.0000
	DECALIN	.0001
	DIETHYLCYCLOHEXANE	.0015
	DIETHYLMETHYLCYCLOHEXANE	.0011
	DIETHYLBENZYLALCOHOL	.0014
	DIMETHYLBUTYLCYCLOHEXANE	.0004
	DIMETHYLCYCLOHEXANE	.0001
	DIMETHYLDECANE	.0012
	DIMETHYLETHYLCYCLOHEXANE	.0007
	DIMETHYLHEPTANE	.0024
	DIMETHYLNONANE	.0014
	DIMETHYLOCTYNE	.0063
	DIMETHYLPENTENE	.0003
	DIMETHYLUNDECANE	.0011
	ETHYL ALCOHOL	.0006
	ETHYLBENZENE	.0250
	ETHYLCYCLOHEXANE	.0309
	ETHYLHEXANE	.0015
	ETHYLMETHYLCYCLOHEXANE	.0009
	ETHYLMETHYLHEXANE	.0109
	ETHYLOCTANE	.0003
	ETHYLPROPYLCYCLOHEXANE	.0005
	INDENE	.0013
	ISOMERS OF BUTYLBENZENE	.0009
	ISOMERS OF DECANE	.0095
	ISOMERS OF DECYNE	.0288
	ISOMERS OF DIETHYLBENZENE	.0002
	ISOMERS OF DODECANE	.0350
	ISOMERS OF TRIDECANE	.0029
	ISOMERS OF UNDECANE	.0001
		.0202

TABLE II  
VOC SPECIES PROFILE

72 PRINTING INK COOKING- GENERAL

PROFILE NUMBER -----	SPECIES -----	WEIGHT FRACTION -----
72	ISOMERS OF UNDECYNE	.0006
	ISOPROPYL ALCOHOL	.3800
	ISOPROPYLMETHYLCYCLOHEXANE	.0011
	M-XYLENE	.0058
	METHYL ALCOHOL	.0500
	METHYL ETHYL KETONE	.0500
	METHYLCYCLOHEXANE	.0001
	METHYLDECALINS	.0014
	METHYLDECENE	.0017
	METHYLNAPHTHALENE	.0000
	METHYLNONANE	.0106
	METHYLPROPYLCYCLOHEXANE	.0153
	METHYLUNDECANE	.0023
	N-BUTYL ACETATE	.0400
	N-BUTYL ALCOHOL	.0300
	N-NONANE	.0177
	N-PROPYLBENZENE	.0000
	NAPHTHALENE	.0009
	NONADIENE	.0004
	O-ETHYLTOLUENE	.0010
	O-XYLENE	.0040
	OCTAHYDROINDENES	.0004
	OCTAHYDROPENTALENE	.0003
	OCTANOL	.0003
	P-DICHLOROBENZENE	.0000
	PENTYLINDENECYCLOHEXANE	.0004
	PROPENYLCYCLOHEXANE	.0020
	PROPYL HEPTENE	.0014
	PROPYLBENZENE	.0025
	PROPYLCYCLOHEXANE	.0054
	TERT-BUTYLBENZENE	.0008
	TETRAMETHYLCYCLOPENTANE	.0014
	TETRAMETHYLPENTANONE	.0016
	TETRAMETHYLTHIOUREA	.0001
	TOLUENE	.0013
	TRIMETHYLBENZENE	.0057
	TRIMETHYLCYCLOHEXANE	.0051
	TRIMETHYLCYCLOHEXANOL	.0004
	TRIMETHYLCYCLOPENTANONE	.0004
	TRIMETHYLDECANE	.0001
	TRIMETHYLHEXENE	.0009
	TRIMETHYLOCTANE	.0009
	UNK C9 PARAFFIN	.0000
	2-METHYLDECANE	.0107

TABLE II  
VOC SPECIES PROFILE

72 PRINTING INK COOKING- GENERAL

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
72	2-METHYLOCTANE	.0038
	2-METHYLPENTANE	.0001
	2,4-DIMETHYLOCTANE	.0165
	2,4,5-TRIMETHYLHEPTANE	.0150
*TOTAL	72	1.0002

76 PESTICIDE USE- COMPOSITE DOMESTIC & COMMERCIAL

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
76	A-PINENE	.0001
	BENZENE	.1230
	BENZOTHAZOLE	.0001
	BUTYLCYCLOHEXANE	.0025
	CHLOROBENZENE (MONOCHLOROBENZE	.0004
	C10 OLEFINS	.0032
	C10 PARAFFIN	.0011
	C11 OLEFINS	.0015
	C12 OLEFINS	.0002
	C4 ALKYLPHENOLS	.0006
	C5 ALKYL BENZENES	.0001
	C5 ALKYLPHENOLS	.0003
	C7 CYCLOPARAFFINS	.1540
	C8 CYCLOPARAFFINS	.0160
	C8 OLEFINS	.0000
	C9 OLEFINS	.0000
	DECALIN	.0009
	DIETHYLCYCLOHEXANE	.0007
	DIETHYLMETHYLCYCLOHEXANE	.0008
	DIMETHYLBENZULALCOHOL	.0002
	DIMETHYLBUTYLCYCLOHEXANE	.0001
	DIMETHYLCYCLOHEXANE	.0007
	DIMETHYLDECANE	.0004
	DIMETHYLETHYLCYCLOHEXANE	.0014
	DIMETHYLHEPTANE	.0008
	DIMETHYLNONANE	.0037
	DIMETHYLOCTYNE	.0001
	DIMETHYLPENTENE	.0006
	DIMETHYLUDECANE	.0004
	ETHYLBENZENE	.0005
	ETHYLCYCLOHEXANE	.0009
	ETHYLHEXANE	.0005

TABLE II  
VOC SPECIES PROFILE

76 PESTICIDE USE- COMPOSITE DOMESTIC & COMMERCIAL

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
76	ETHYLMETHYLCYCLOHEXANE	.0064
	ETHYLMETHYLHEXANE	.0001
	ETHYLOCTANE	.0003
	ETHYLPROPYLCYCLOHEXANE	.0007
	INDENE	.0005
	ISOBUTANE	.0140
	ISOMERS OF BUTYLBENZENE	.0056
	ISOMERS OF DECANE	.0169
	ISOMERS OF DECYLENE	.0001
	ISOMERS OF DODECANE	.0017
	ISOMERS OF HEXANE	.0810
	ISOMERS OF PENTANE	.0310
	ISOMERS OF TRIDECANE	.0001
	ISOMERS OF UNDECANE	.0119
	ISOMERS OF UNDECYLENE	.0003
	ISOMERS OF XYLENE	.1500
	ISOPROPYLMETHYLCYCLOHEXANE	.0006
	M-XYLENE	.0034
	METHYLCYCLOHEXANE	.0000
	METHYLDECALINS	.0008
	METHYLDECENE	.0010
	METHYLENE BROMIDE	.1000
	METHYLNAPHTHALENE	.0000
	METHYLNONANE	.0063
	METHYLPROPYLCYCLOHEXANE	.0090
	METHYLUNDECANE	.0014
	N-BUTANE	.0440
	N-HEXANE	.0370
	N-NONANE	.0104
	N-PENTANE	.0320
	N-PROPYLBENZENE	.0000
	NAPHTHALENE	.0005
	NONADIENE	.0003
	O-ETHYLTOLUENE	.0006
	O-XYLENE	.0023
	OCTAHYDROINDENES	.0003
	OCTAHYDROPENTALENE	.0001
	OCTANOL	.0001
	P-DICHLOROBENZENE	.0000
	PENTYLINDENECYCLOHEXANE	.0003
	PROPANE	.0180
	PROPENYLCYCLOHEXANE	.0012
	PROPYL HEPTENE	.0008
	PROPYLBENZENE	.0015
	PROPYLCYCLOHEXANE	.0032
	TERT-BUTYLBENZENE	.0005



TABLE II  
VOC SPECIES PROFILE

76 PESTICIDE USE- COMPOSITE DOMESTIC & COMMERCIAL

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
76	TETRAMETHYLCYCLOPENTANE	.0008
	TETRAMETHYLPENTANONE	.0010
	TETRAMETHYLTHIOUREA	.0001
	TOLUENE	.0507
	TRIMETHYLBENZENE	.0033
	TRIMETHYLCYCLOHEXANE	.0030
	TRIMETHYLCYCLOHEXANOL	.0003
	TRIMETHYLCYCLOPENTANONE	.0002
	TRIMETHYLDECANE	.0000
	TRIMETHYLHEXENE	.0005
	TRIMETHYLOCTANE	.0005
	UNK C9 PARAFFIN	.0000
	2-METHYLDECANE	.0063
	2-METHYLOCTANE	.0022
	2-METHYLPENTANE	.0000
	2,4-DIMETHYLOCTANE	.0097
	2,4,5-TRIMETHYLHEPTANE	.0088
*TOTAL	76	.9994

78 ETHYLENE DICHLORIDE MANUFACTURING

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
78	ETHYLENE DICHLORIDE	1.0000
*TOTAL	78	1.0000

TABLE II  
VOC SPECIES PROFILE

79 FLARES- CHEMICAL MANUFACTURING

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
79	ACETALDEHYDE	.0071
	ACETYLENE	.0081
	ACRYLONITRILE	.0302
	BENZENE	.0812
	BUTENE	.0358
	BUTYRALDEHYDE	.0081
	CYCLOHEXANE	.0157
	ETHYL ACRYLATE	.0081
	ETHYL ALCOHOL	.0141
	ETHYL CHLORIDE	.1448
	ETHYLENE	.1889
	ETHYLENE OXIDE	.0464
	FORMALDEHYDE	.0171
	ISOMERS OF BUTENE	.0778
	ISOMERS OF XYLENE	.0108
	ISOPROPYL ALCOHOL	.0252
	METHYL ALCOHOL	.0544
	METHYL CHLORIDE	.0283
	N-BUTYL ALCOHOL	.0050
	PHENOL (CARBOLIC ACID)	.0202
	PROPYLENE	.0787
	PROPYLENE OXIDE	.0141
	STYRENE	.0276
	TEREPHTHALIC ACID	.0168
	TOLUENE	.0336
	VINYL CHLORIDE	.0117
*TOTAL	79	1.0099

85 PERCHLOROETHYLENE CLEANING SOLVENT

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
85	PERCHLOROETHYLENE	1.0000
*TOTAL	85	1.0000

TABLE II  
VOC SPECIES PROFILE

86 STODDARD CLEANING SOLVENT

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
86	ISOMERS OF DECANE	.6930
	ISOMERS OF NONANE	.2730
	ISOMERS OF OCTANE	.0080
	ISOMERS OF UNDECANE	.0260
*TOTAL	86	1.0000

87 1,1,1-TRICHLOROETHANE CLEANING SOLVENT

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
87	1,1,1-TRICHLOROETHANE	1.0000
*TOTAL	87	1.0000

90 DEGREASING- TOLUENE

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
90	TOLUENE	1.0000
*TOTAL	90	1.0000

TABLE II  
VOC SPECIES PROFILE

96 SURFACE COATING SOLVENT- GENERAL

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
96	ACETONE	.1000
	ETHYL ALCOHOL	.0560
	ISOMERS OF DECANE	.2780
	ISOMERS OF NONANE	.1090
	ISOMERS OF OCTANE	.0040
	ISOMERS OF UNDECANE	.0100
	ISOMERS OF XYLENE	.0400
	ISOPROPYL ALCOHOL	.0570
	METHYL ALCOHOL	.0560
	METHYL ETHYL KETONE	.1000
	METHYL ISOBUTYL KETONE	.0500
	PERCHLOROETHYLENE	.1000
	TOLUENE	.0400
*TOTAL	96	1.0000

100 JET FUEL EVAPORATION

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
100	N-DECANE	.1960
	N-DODECANE	.1820
	N-HEPTANE	.0010
	N-NONANE	.0470
	N-OCTANE	.0050
	N-PENTADECANE	.0720
	N-TETRADECANE	.1170
	N-TRIDECANE	.1770
	N-UNDECANE	.2030
*TOTAL	100	1.0000

TABLE II  
VOC SPECIES PROFILE

122 BAR SCREEN WASTE INCINERATOR- SOLID WASTE

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
122	BENZENE	.0625
	ETHANE	.0253
	ETHYLENE	.0761
	METHANE	.8040
	PROPYLENE	.0044
*TOTAL	122	.9722

127 SURFACE COATING EVAPORATION- GENERAL VARNISH/SHELLAC

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
127	ACETONE	.3870
	GLYCOL ETHER	.0300
	METHYL ETHYL KETONE	.4160
	METHYL ISOBUTYL KETONE	.1670
*TOTAL	127	1.0000

182 EVAPORATION- GRAVURE PRINTING- GENERAL SOLVENT

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
182	A-PINENE	.0005
	BENZOTHAZOLE	.0003
	BUTYLCYCLOHEXANE	.0086
	CHLOROBENZENE (MONOCHLOROBENZE	.0013
	CYCLOHEXANE	.1000
	C10 OLEFINS	.0110
	C10 PARAFFIN	.0038
	C11 OLEFINS	.0050
	C12 OLEFINS	.0006
	C4 ALKYLPHENOLS	.0019
	C6 ALKYL BENZENES	.0005
	C6 ALKYLPHENOLS	.0009
	C8 OLEFINS	.0000
	C9 OLEFINS	.0001
	DECALIN	.0031
	DIETHYLCYCLOHEXANE	.0023
	DIETHYLMETHYLCYCLOHEXANE	.0028
	DIMETHYLBENZULALCOHOL	.0008

TABLE II  
VOC SPECIES PROFILE

182 EVAPORATION- GRAVURE PRINTING- GENERAL SOLVENT

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
-----	-----	-----
182	DIMETHYLBUTYLCYCLOHEXANE	.0003
	DIMETHYLCYCLOHEXANE	.0024
	DIMETHYLDECANE	.0015
	DIMETHYLETHYLCYCLOHEXANE	.0048
	DIMETHYLHEPTANE	.0028
	DIMETHYLNONANE	.0126
	DIMETHYLOCTYNE	.0005
	DIMETHYLPENTENE	.0022
	DIMETHYLUNDECANE	.0012
	ETHYLBENZENE	.0618
	ETHYLCYCLOHEXANE	.0030
	ETHYLHEXANE	.0017
	ETHYLMETHYLCYCLOHEXANE	.0218
	ETHYLMETHYLHEXANE	.0005
	ETHYLOCTANE	.0011
	ETHYLPROPYLCYCLOHEXANE	.0025
	INDENE	.0017
	ISOMERS OF BUTYLBENZENE	.0191
	ISOMERS OF DECANE	.0575
	ISOMERS OF DECYNE	.0004
	ISOMERS OF DIETHYLBENZENE	.0700
	ISOMERS OF DODECANE	.0057
	ISOMERS OF TRIDECANE	.0003
	ISOMERS OF UNDECANE	.0404
	ISOMERS OF UNDECYNE	.0011
	ISOPROPYL ALCOHOL	.0600
	ISOPROPYLMETHYLCYCLOHEXANE	.0022
	M-XYLENE	.0115
	METHYL ALCOHOL	.0600
	METHYLCYCLOHEXANE	.0001
	METHYLDECALINS	.0028
	METHYLDECENE	.0034
	METHYLNAPHTHALENE	.0000
	METHYLNONANE	.0213
	METHYLPROPYLCYCLOHEXANE	.0305
	METHYLUNDECANE	.0046
	N-BUTYL ACETATE	.0800
	N-BUTYL ALCOHOL	.0600
	N-NONANE	.0355
	N-PROPYLBENZENE	.0000
	NAPHTHALENE	.0018
	NONADIENE	.0009
	O-ETHYLTOLUENE	.0019
	O-XYLENE	.0080
	OCTAHYDROINDENES	.0009

TABLE II  
VOC SPECIES PROFILE

182 EVAPORATION- GRAVURE PRINTING- GENERAL SOLVENT

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
182	OCTAHYDROPENTALENE	.0005
	OCTANOL	.0005
	P-DICHLOROBENZENE	.0000
	PENTYLINDENECYCLOHEXANE	.0009
	PROPENYLCYCLOHEXANE	.0039
	PROPYL HEPTENE	.0028
	PROPYLBENZENE	.0050
	PROPYLCYCLOHEXANE	.0108
	TERT-BUTYLBENZENE	.0016
	TETRAMETHYLCYCLOPENTANE	.0028
	TETRAMETHYLPENTANONE	.0033
	TETRAMETHYLTHIOUREA	.0003
	TOLUENE	.0025
	TRIMETHYLBENZENE	.0114
	TRIMETHYLCYCLOHEXANE	.0103
	TRIMETHYLCYCLOHEXANOL	.0009
	TRIMETHYLCYCLOPENTANONE	.0008
	TRIMETHYLDECANE	.0001
	TRIMETHYLHEXENE	.0018
	TRIMETHYLOCTANE	.0018
	UNK C9 PARAFFIN	.0000
	2-METHYLDECANE	.0214
	2-METHYLOCTANE	.0076
	2-METHYLPENTANE	.0001
	2,4-DIMETHYLOCTANE	.0331
	2,4,5-TRIMETHYLHEPTANE	.0300
*TOTAL	182	1.0000

195 METHANE SOURCE

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
195	METHANE	1.0000
*TOTAL	195	1.0000

TABLE II  
VOC SPECIES PROFILE

196 ARCHITECTURAL SURFACE COATINGS- COMPOSITE SOLVENT

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
196	ACETONE	.0320
	CYCLOHEXANE	.2070
	DIMETHYL FORMAMIDE	.0050
	ETHYL ALCOHOL	.0060
	ETHYLBENZENE	.0430
	ETHYLENE GLYCOL	.0060
	ISOBUTYL ACETATE	.0150
	ISOBUTYL ALCOHOL	.0060
	ISOBUTYL ISOBUTYRATE	.0610
	ISOMERS OF XYLENE	.0260
	ISOPROPYL ALCOHOL	.1640
	METHYL ALCOHOL	.0390
	METHYL ETHYL KETONE	.0560
	METHYL ISOBUTYL KETONE	.0060
	METHYL N-BUTYL KETONE	.0070
	N-BUTYL ACETATE	.0250
	N-BUTYL ALCOHOL	.0160
	N-HEXANE	.2070
	PROPYLENE GLYCOL	.0080
	TOLUENE	.0520
	2-ETHOXYETHYL ACETATE	.0130
*TOTAL	196	1.0000



TABLE II  
VOC SPECIES PROFILE

197 DOMESTIC SOLVENTS- GENERAL COMPOSITE

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
-----	-----	-----
197	A-PINENE	
	ACETONE	.0000
	BENZOTHAZOLE	.0140
	BUTYLCYCLOHEXANE	.0000
	CHLOROBENZENE (MONOCHLOROBENZE	.0008
	C10 OLEFINS	.0001
	C10 PARAFFIN	.0010
	C11 OLEFINS	.0003
	C12 OLEFINS	.0004
	C4 ALKYLPHENOLS	.0001
	C5 ALKYL BENZENES	.0002
	C5 ALKYLPHENOLS	.0000
	C8 OLEFINS	.0001
	C9 OLEFINS	.0000
	DECALIN	.0000
	DIETHYLCYCLOHEXANE	.0003
	DIETHYLMETHYLCYCLOHEXANE	.0002
	DIMETHYLBENZYLALCOHOL	.0002
	DIMETHYLBUTYLCYCLOHEXANE	.0001
	DIMETHYLCYCLOHEXANE	.0000
	DIMETHYLDECANE	.0002
	DIMETHYLETHYLCYCLOHEXANE	.0001
	DIMETHYLHEPTANE	.0004
	DIMETHYLNONANE	.0002
	DIMETHYLOCTYNE	.0011
	DIMETHYLPENTENE	.0000
	DIMETHYLUNDECANE	.0002
	ETHYL ALCOHOL	.0001
	ETHYLBENZENE	.3690
	ETHYLCYCLOHEXANE	.0002
	ETHYLHEXANE	.0003
	ETHYLMETHYLCYCLOHEXANE	.0002
	ETHYLMETHYLHEXANE	.0019
	ETHYLOCTANE	.0000
	ETHYLPROPYLCYCLOHEXANE	.0001
	FORMALDEHYDE	.0002
	GLYCOL ETHER	.0060
	INDENE	.0830
	ISOBUTANE	.0002
	ISOMERS OF BUTYLBENZENE	.0530
	ISOMERS OF DECANE	.0017
	ISOMERS OF DECYLENE	.0051
	ISOMERS OF DODECANE	.0000
	ISOMERS OF TRIDECANE	.0005
		.0000

TABLE II  
VOC SPECIES PROFILE

197 DOMESTIC SOLVENTS- GENERAL COMPOSITE

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
197	ISOMERS OF UNDECANE	.0036
	ISOMERS OF UNDECYNE	.0001
	ISOPROPYL ALCOHOL	.3850
	ISOPROPYLMETHYLCYCLOHEXANE	.0002
	M-XYLENE	.0010
	METHYLCYCLOHEXANE	.0000
	METHYLDECALINS	.0002
	METHYLDECENE	.0003
	METHYLNAPHTHALENE	.0000
	METHYLNONANE	.0019
	METHYLPROPYLCYCLOHEXANE	.0027
	METHYLUNDECANE	.0004
	N-BUTYL ACETATE	.0130
	N-NONANE	.0031
	N-PROPYLBENZENE	.0000
	NAPHTHALENE	.0002
	NONADIENE	.0001
	O-ETHYLTOLUENE	.0002
	O-XYLENE	.0007
	OCTAHYDROINDENES	.0001
	OCTAHYDROPENTALENE	.0000
	OCTANOL	.0000
	P-DICHLOROBENZENE	.0000
	PENTYLINDENECYCLOHEXANE	.0001
	PROPENYLCYCLOHEXANE	.0003
	PROPYL HEPTENE	.0002
	PROPYLBENZENE	.0004
	PROPYLCYCLOHEXANE	.0009
	PROPYLENE GLYCOL	.0320
	TERT-BUTYLBENZENE	.0001
	TETRAMETHYLCYCLOPENTANE	.0002
	TETRAMETHYLPENTANONE	.0003
	TETRAMETHYLTHIOUREA	.0000
	TOLUENE	.0002
	TRIMETHYLBENZENE	.0010
	TRIMETHYLCYCLOHEXANE	.0009
	TRIMETHYLCYCLOHEXANOL	.0001
	TRIMETHYLCYCLOPENTANONE	.0001
	TRIMETHYLDECANE	.0000
	TRIMETHYLHEXENE	.0002
	TRIMETHYLOCTANE	.0002
	UNK C9 PARAFFIN	.0000
	2-METHYLDECANE	.0019
	2-METHYLOCTANE	.0007

TABLE II  
VOC SPECIES PROFILE

197 DOMESTIC SOLVENTS- GENERAL COMPOSITE

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
197	2-METHYLPENTANE	.0000
	2,4-DIMETHYLOCTANE	.0029
	2,4,5-TRIMETHYLHEPTANE	.0027
*TOTAL 197		.9997

202 LANDFILL EMISSIONS

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
202	CYCLOPENTANE	.0020
	ETHANE	.0010
	ISOBUTANE	.0010
	ISOMERS OF XYLENE	.0010
	METHANE	.9860
	N-BUTANE	.0020
	N-PENTANE	.0010
	PERCHLOROETHYLENE	.0030
	PROPANE	.0010
	TERPENES	.0010
	TOLUENE	.0010
*TOTAL 202		1.0000

203 ANIMAL WASTE DECOMPOSITION

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
203	ACETONE	.0200
	ETHANE	.2000
	ETHYL ALCOHOL	.0200
	ETHYLAMINE	.0100
	ISOPROPYL ALCOHOL	.0200
	METHANE	.7000
	PROPYL ACETATE	.0200
	TRIMETHYL AMINE	.0100
*TOTAL 203		1.0000

TABLE II  
VOC SPECIES PROFILE

211 BEER FERMENTATION- ETHANOL

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
211	ETHYL ALCOHOL	1.0000
*TOTAL	211	1.0000

217 COKE OVEN BLAST FURNACE- PROCESS GAS

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
217	BENZENE	.3490
	BUTENE	.0560
	ETHANE	.0131
	ETHYLENE	.0245
	METHANE	.4090
	PROPYLENE	.0481
*TOTAL	217	.8997

219 ACETONE- PAINT SOLVENT

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
219	ACETONE	1.0000
*TOTAL	219	1.0000

220 SURFACE COATING EVAPORATION- ETHYL ACETATE

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
220	ETHYL ACETATE	1.0000
*TOTAL	220	1.0000

TABLE II  
VOC SPECIES PROFILE

221 SURFACE COATING EVAPORATION- METHYL ETHYL KETONE

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
221	METHYL ETHYL KETONE	1.0000
*TOTAL	221	1.0000

222 SURFACE COATING EVAPORATION- CELLOSOLVE ACETATE

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
222	2-ETHOXYETHYL ACETATE	1.0000
*TOTAL	222	1.0000

223 SURFACE COATING EVAPORATION- XYLENE SOLVENT

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
223	ISOMERS OF XYLENE	1.0000
*TOTAL	223	1.0000

226 SURFACE COATING SOLVENT- ETHYL ALCOHOL

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
226	ETHYL ALCOHOL	1.0000
*TOTAL	226	1.0000

227 SURFACE COATING EVAPORATION- SOLVENT- ISOPROPYL ALCOHOL

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
227	ISOPROPYL ALCOHOL	1.0000
*TOTAL	227	1.0000

TABLE II  
VOC SPECIES PROFILE

228 SURFACE COATING EVAPORATION- SOLVENT- ISOPROPYL ACETATE

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
228	ISOPROPYL ACETATE	1.0000
*TOTAL	228	1.0000

230 PETRO STORAGE- FIXED ROOF- HEXANE

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
230	N-HEXANE	1.0000
*TOTAL	230	1.0000

271 TRICHLOROETHYLENE CLEANING SOLVENT

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
271	TRICHLOROETHYLENE	1.0000
*TOTAL	271	1.0000

274 SYNTHETIC RUBBER AUTO TIRE PRODUCTION

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
274	CYCLOHEXANE	.0004
	C7 CYCLOPARAFFINS	.9984
	C8 CYCLOPARAFFINS	.0008
	METHYLCYCLOPENTANE	.0004
*TOTAL	274	1.0000

TABLE II  
VOC SPECIES PROFILE

280 SURFACE COATING PRIMER- WATER BASED AUTO PAINT SPRAY BOOTH

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
280	ACETONE	.6890
	BENZENE	.2240
	TOLUENE	.0870
*TOTAL	280	1.0000

289 SURFACE COATING EVAPORATION- SOLVENT- BUTYL ALCOHOL

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
289	N-BUTYL ALCOHOL	1.0000
*TOTAL	289	1.0000

290 SURFACE COATING EVAPORATION- SOLVENT- CELLOSOLVE

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
290	2-ETHOXYETHANOL	1.0000
*TOTAL	290	1.0000

TABLE II  
VOC SPECIES PROFILE

297 CRUDE OIL EVAPORATION- VAPOR COMPOSITE FROM FIXED ROOF TANKS

PROFILE  
NUMBER  
-----  
297

SPECIES  
-----  
BENZENE  
ETHANE  
ISOBUTANE  
ISOMERS OF HEPTANE  
ISOMERS OF HEXANE  
ISOMERS OF OCTANE  
ISOMERS OF PENTANE  
METHANE  
N-BUTANE  
N-HEPTANE  
N-HEXANE  
N-PENTANE  
PROPANE  
TOLUENE

WEIGHT  
FRACTION  
-----

.0240 +  
.0270 -  
.0930 +  
.0500 -  
.0510 -  
.0040 -  
.1120 +  
.0880 -  
.2080 +  
.0200  
.0470  
.1010  
.1610 +  
.0140

no C7 cyclo  
paraffins  
no C8 cyclo  
paraffins

} extra  
} extra

-----  
1.0000

\*TOTAL 297

298 PETRO STORAGE- FIXED ROOF- BENZENE

PROFILE  
NUMBER  
-----  
298

SPECIES  
-----  
BENZENE

WEIGHT  
FRACTION  
-----

1.0000  
-----  
1.0000

\*TOTAL 298

299 PETRO STORAGE- FIXED ROOF- CYCLOHEXANE

PROFILE  
NUMBER  
-----  
299

SPECIES  
-----  
CYCLOHEXANE

WEIGHT  
FRACTION  
-----

1.0000  
-----  
1.0000

\*TOTAL 299



TABLE II  
VOC SPECIES PROFILE

301 PETRO STORAGE- FIXED ROOF- HEPTANE

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
301	N-HEPTANE	1.0000
*TOTAL	301	1.0000

303 PETRO STORAGE- FIXED ROOF- PENTANE

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
303	N-PENTANE	1.0000
*TOTAL	303	1.0000

304 EVAPORATION- FLEXOGRAPHIC PRINTING PRESS- N-PROPYL ALCOHOL

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
304	ETHYL ACETATE	.2500
	ETHYL ALCOHOL	.2500
	ISOPROPYL ALCOHOL	.2500
	METHYL ETHYL KETONE	.2500
*TOTAL	304	1.0000

306 OPEN HEARTH WITH OXYGEN LANCE- STEEL PRODUCTION

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
306	BENZENE	.0305
	N-HEPTANE	.0686
	N-HEXANE	.0167
	TOLUENE	.0456
	TRIMETHYLFLUROSILANE	.8386
*TOTAL	306	1.0000

TABLE II  
VOC SPECIES PROFILE

307 FOREST FIRES

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
-----	-----	-----
307	ACETYLENE	.1231
	BUTENE	.0128
	ETHANE	.1772
	ETHYLENE	.3016
	ISOBUTANE	.0018
	ISOMERS OF BUTENE	.0145
	ISOMERS OF PENTANE	.0024
	METHANE	.1772
	METHYLACETYLENE	.0062
	N-BUTANE	.0039
	PROPANE	.0058
	PROPYLENE	.0620
	1,3-BUTADIENE	.0079
	3-METHYL-1-BUTENE	.0027
		-----
*TOTAL	307	.8990

TABLE II  
VOC SPECIES PROFILE

316 REFINERY- PIPES, VALVES & FLANGES- COMPOSITE

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
-----	-----	-----
316	BENZENE	.0010
	CYCLOHEXANE	.0010
	C7 CYCLOPARAFFINS	.0020
	C9 CYCLOPARAFFINS	.0010
	ETHANE	.0580
	ISOBUTANE	.0740
	ISOMERS OF DECANE	.0030
	ISOMERS OF HEPTANE	.0080
	ISOMERS OF HEXANE	.0160
	ISOMERS OF NONANE	.0050
	ISOMERS OF OCTANE	.0040
	ISOMERS OF PENTANE	.0780
	ISOMERS OF XYLENE	.0020
	METHANE	.2860
	N-BUTANE	.1830
	N-DECANE	.0080
	N-HEPTANE	.0140
	N-HEXANE	.0340
	N-NONANE	.0060
	N-OCTANE	.0180
	N-PENTANE	.0770
	PROPANE	.1150
	PROPYLENE	.0010
	TOLUENE	.0050
*TOTAL	316	----- 1.0000

TABLE II  
VOC SPECIES PROFILE

321 REFINERY- PUMP SEALS- COMPOSITE

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
-----	-----	-----
321	BENZENE	.0050
	CYCLOHEXANE	.0050
	C7 CYCLOPARAFFINS	.0110
	C8 CYCLOPARAFFINS	.0010
	C9 CYCLOPARAFFINS	.0080
	ETHANE	.0120
	ISOBUTANE	.0080
	ISOMERS OF DECANE	.0190
	ISOMERS OF HEPTANE	.0410
	ISOMERS OF HEXANE	.0550
	ISOMERS OF NONANE	.0310
	ISOMERS OF OCTANE	.0280
	ISOMERS OF PENTANE	.0660
	ISOMERS OF XYLENE	.0130
	METHANE	.0330
	N-BUTANE	.0810
	N-DECANE	.0510
	N-HEPTANE	.0850
	N-HEXANE	.1100
	N-NONANE	.0390
	N-OCTANE	.1200
	N-PENTANE	.1110
	PROPANE	.0370
	TOLUENE	.0300
		-----
*TOTAL	321	1.0000

TABLE II  
VOC SPECIES PROFILE

500 CATALYST LIGHT DUTY VEHICLES- EXHAUST

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
500	ACETALDEHYDE	.0155
	ACETYLENE	.0296
	BENZENE	.0103
	ETHANE	.0280
	ETHYLBENZENE	.0071
	ETHYLENE	.0614
	FORMALDEHYDE	.0616
	ISOMERS OF BUTENE	.0331
	ISOMERS OF BUTYLBENZENE	.0004
	ISOMERS OF DECANE	.0014
	ISOMERS OF HEPTANE	.0824
	ISOMERS OF HEXANE	.0297
	ISOMERS OF NONANE	.0128
	ISOMERS OF OCTANE	.1267
	ISOMERS OF PENTANE	.1586
	ISOMERS OF PENTENE	.0392
	ISOMERS OF XYLENE	.0311
	METHANE	.1736
	N-BUTANE	.0449
	PROPYLENE	.0338
	TOLUENE	.0978
	TRIMETHYLBENZENE	.0182
	1-HEXENE	.0144
*TOTAL	500	1.1116

TABLE II  
VOC SPECIES PROFILE

502 NON-CATALYST LIGHT DUTY VEHICLES- EXHAUST

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
-----	-----	-----
502	ACETALDEHYDE	.0199
	ACETYLENE	.0908
	BENZENE	.0385
	ETHANE	.0077
	ETHYLBENZENE	.0074
	ETHYLENE	.1233
	FORMALDEHYDE	.0299
	ISOMERS OF BUTENE	.0461
	ISOMERS OF BUTYLBENZENE	.0007
	ISOMERS OF DECANE	.0034
	ISOMERS OF HEPTANE	.0565
	ISOMERS OF HEXANE	.0452
	ISOMERS OF NONANE	.0133
	ISOMERS OF OCTANE	.0897
	ISOMERS OF PENTANE	.0538
	ISOMERS OF PENTENE	.0219
	ISOMERS OF XYLENE	.0364
	METHANE	.0924
	N-BUTANE	.0341
	PROPYLENE	.0903
	TOLUENE	.1188
	TRIMETHYLBENZENE	.0208
	1-HEPTENE	.0108
	1-HEXENE	.0083
		-----
*TOTAL	502	1.0600

TABLE II  
VOC SPECIES PROFILE

504 EXTERNAL COMBUSTION BOILERS- DISTILLATE OR RESIDUAL

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
504	A-PINENE	.0002
	ACETYLENE	.0351
	BENZENE	.0175
	BENZOTHAZOLE	.0001
	BUTYLCYCLOHEXANE	.0030
	CHLOROBENZENE (MONOCHLOROBENZE)	.0006
	C10 OLEFINS	.0038
	C10 PARAFFIN	.0013
	C11 OLEFINS	.0017
	C12 OLEFINS	.0002
	C4 ALKYLPHENOLS	.0007
	C5 ALKYL BENZENES	.0002
	C5 ALKYLPHENOLS	.0003
	C8 OLEFINS	.0000
	C9 OLEFINS	.0000
	DECALIN	.0010
	DIETHYLCYCLOHEXANE	.0008
	DIETHYLMETHYLCYCLOHEXANE	.0009
	DIMETHYLBENZYLALCOHOL	.0003
	DIMETHYLBUTYLCYCLOHEXANE	.0001
	DIMETHYLCYCLOHEXANE	.0008
	DIMETHYLDECANE	.0005
	DIMETHYLETHYLCYCLOHEXANE	.0017
	DIMETHYLHEPTANE	.0010
	DIMETHYLNONANE	.0044
	DIMETHYLOCTYNE	.0002
	DIMETHYLPENTENE	.0008
	DIMETHYLUNDECANE	.0004
	ETHANE	.0043
	ETHYLBENZENE	.0006
	ETHYLCYCLOHEXANE	.0010
	ETHYLENE	.1066
	ETHYLHEXANE	.0006
	ETHYLMETHYLCYCLOHEXANE	.0075
	ETHYLMETHYLHEXANE	.0002
	ETHYLOCTANE	.0004
	ETHYLPROPYLCYCLOHEXANE	.0009
	FORMALDEHYDE	.0009
	INDENE	.0006
	ISOMERS OF BUTYLBENZENE	.0063
	ISOMERS OF DECANE	.0200
	ISOMERS OF DECYLENE	.0001
	ISOMERS OF DODECANE	.0019
	ISOMERS OF TRIDECANE	.0001

TABLE II  
VOC SPECIES PROFILE

504 EXTERNAL COMBUSTION BOILERS- DISTILLATE OR RESIDUAL

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
504	ISOMERS OF UNDECANE	.0141
	ISOMERS OF UNDECYNE	.0003
	ISOMERS OF XYLENE	.0028
	ISOPROPYLMETHYLCYCLOHEXANE	.0008
	M-XYLENE	.0037
	METHANE	.0501
	METHYLCYCLOHEXANE	.0000
	METHYLDECALINS	.0009
	METHYLDECENE	.0011
	METHYLNAPHTHALENE	.0000
	METHYLNONANE	.0075
	METHYLPROPYLCYCLOHEXANE	.0105
	METHYLUNDECANE	.0016
	N-BUTANE	.0330
	N-HEPTANE	.0041
	N-HEXANE	.0142
	N-NONANE	.0165
	N-OCTANE	.0041
	N-PENTADECANE	.3530
	N-PENTANE	.0184
	N-PROPYLBENZENE	.0000
	NAPHTHALENE	.0006
	NONADIENE	.0003
	O-ETHYLTOLUENE	.0007
	O-XYLENE	.0026
	OCTAHYDROINDENES	.0003
	OCTAHYDROPENTALENE	.0002
	OCTANOL	.0002
	P-DICHLOROBENZENE	.0000
	PENTYLINDENECYCLOHEXANE	.0002
	PROPENYLCYCLOHEXANE	.0015
	PROPYL HEPTENE	.0010
	PROPYLBENZENE	.0017
	PROPYLCYCLOHEXANE	.0037
	PROPYLENE	.0399
	TERT-BUTYLBENZENE	.0005
	TETRAMETHYLCYCLOPENTANE	.0010
	TETRAMETHYLPENTANONE	.0011
	TETRAMETHYLTHIOUREA	.0002
	TOLUENE	.0176
TRIMETHYLBENZENE	.0057	
TRIMETHYLCYCLOHEXANE	.0036	
TRIMETHYLCYCLOHEXANOL	.0003	
TRIMETHYLCYCLOPENTANONE	.0003	



TABLE II  
VOC SPECIES PROFILE

504 EXTERNAL COMBUSTION BOILERS- DISTILLATE OR RESIDUAL

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
-----	-----	-----
504	TRIMETHYLDECANE	.0000
	TRIMETHYLHEXENE	.0006
	TRIMETHYLOCTANE	.0006
	UNK C9 PARAFFIN	.0000
	2-METHYLDECANE	.0074
	2-METHYLOCTANE	.0027
	2-METHYLPENTANE	.0000
	2,4-DIMETHYLOCTANE	.0115
	2,4,5-TRIMETHYLHEPTANE	.0105
		-----
*TOTAL 504		.8825

506 HALOGENATED CLEANING SOLVENTS- MIXED

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
-----	-----	-----
506	PERCHLOROETHYLENE	.2500
	TRICHLOROFUOROMETHANE	.0500
	TRICHLOROTRIFLUOROETHANE-F113	.2500
	1,1,1-TRICHLOROETHANE	.4500
		-----
*TOTAL 506		1.0000

508 JET EXHAUST- COMPOSITE

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
-----	-----	-----
508	ACETYLENE	.0019
	BENZENE	.0056
	C8 ALDEHYDE	.0994
	C8 OLEFINS	.1738
	ETHANE	.0174
	ISOMERS OF ETHYLTOLUENE	.1330
	ISOMERS OF XYLENE	.1244
	N-NONANE	.2219
	TERT-BUTYLBENZENE	.0397
	TRI/TETRAALKYL BENZENE	.0441
		-----
*TOTAL 508		.8612

TABLE II  
VOC SPECIES PROFILE

510 PLASTICS MFG- VINYL CHLORIDE

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
510	VINYL CHLORIDE	1.0000
*TOTAL	510	1.0000

511 PLASTICS MFG- POLYPROPYLENE

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
511	PROPYLENE	1.0000
*TOTAL	511	1.0000

512 ORGANIC SOLVENT- DICHLOROMETHANE

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
512	DICHLOROMETHANE (METHYLENE CHL	1.0000
*TOTAL	512	1.0000

513 SURFACE COATING EVAPORATION- METHYL ISOBUTYL KETONE

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
513	METHYL ISOBUTYL KETONE	1.0000
*TOTAL	513	1.0000

TABLE II  
VOC SPECIES PROFILE

514 EVAPORATION- CHEVRON WEED OIL

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
514	ANTHRACENE	.0080
	DIMETHYLNAPHTHALENE	.2770
	DM-2,3,DH-1H-INDENE	.0150
	ETHYLNAPHTHALENE	.0410
	HEPTADECANE	.0390
	HEXADECANE	.0480
	METHYLANTHRACENE	.0080
	METHYLNAPHTHALENE	.2060
	N-PENTADECANE	.0510
	N-TETRADECANE	.0480
	N-TRIDECANE	.0120
	NONADECANE	.0270
	OCTADECANE	.0360
	PROPYLNAPHTHALENE	.0690
	TRIMETHYLNAPHTHALENE	.1110
*TOTAL 514		.9960

515 COMPOSITE INDUSTRIAL DEGREASERS

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
515	ISOMERS OF DECANE	.1386
	ISOMERS OF NONANE	.0546
	ISOMERS OF OCTANE	.0016
	ISOMERS OF UNDECANE	.0052
	PERCHLOROETHYLENE	.2000
	TRICHLOROETHYLENE	.2000
	TRICHLOROTRIFLUOROETHANE-F113	.2000
	1,1,1-TRICHLOROETHANE	.2000
*TOTAL 515		1.0000

TABLE II  
VOC SPECIES PROFILE

516 COMPOSITE DRY-CLEANING SOLVENTS

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
516	PERCHLOROETHYLENE	.6000
	1,1,1-TRICHLOROETHANE	.4000
*TOTAL	516	1.0000

517 PRINTING EVAPORATION LOSS- GENERAL

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
517	A-PINENE	.0006
	BENZOTHAZOLE	.0003
	BUTYLCYCLOHEXANE	.0101
	CHLOROBENZENE (MONOCHLOROBENZE	.0016
	C10 OLEFINS	.0129
	C10 PARAFFIN	.0044
	C11 OLEFINS	.0059
	C12 OLEFINS	.0007
	C4 ALKYLPHENOLS	.0023
	C5 ALKYL BENZENES	.0006
	C5 ALKYLPHENOLS	.0010
	C8 OLEFINS	.0000
	C9 OLEFINS	.0001
	DECALIN	.0036
	DIETHYLCYCLOHEXANE	.0027
	DIETHYLMETHYLCYCLOHEXANE	.0033
	DIMETHYLBENZYLALCOHOL	.0009
	DIMETHYLBUTYLCYCLOHEXANE	.0003
	DIMETHYLCYCLOHEXANE	.0028
	DIMETHYLDECANE	.0017
	DIMETHYLETHYLCYCLOHEXANE	.0057
	DIMETHYLHEPTANE	.0033
	DIMETHYLNONANE	.0149
	DIMETHYLOCTYNE	.0006
	DIMETHYLPENTENE	.0026
	DIMETHYLUNDECANE	.0014
	ETHYL ALCOHOL	.2000
	ETHYLBENZENE	.0021
	ETHYLCYCLOHEXANE	.0035
	ETHYLHEXANE	.0020
	ETHYLMETHYLCYCLOHEXANE	.0256
	ETHYLMETHYLHEXANE	.0006
	ETHYLOCTANE	.0013
	ETHYLPROPYLCYCLOHEXANE	.0030

TABLE II  
VOC SPECIES PROFILE

517 PRINTING EVAPORATION LOSS- GENERAL

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
517	INDENE	.0020
	ISOMERS OF BUTYLBENZENE	.0224
	ISOMERS OF DECANE	.0677
	ISOMERS OF DECYNE	.0004
	ISOMERS OF DODECANE	.0067
	ISOMERS OF TRIDECANE	.0003
	ISOMERS OF UNDECANE	.0475
	ISOMERS OF UNDECYNE	.0013
	ISOPROPYL ALCOHOL	.2000
	ISOPROPYLMETHYLCYCLOHEXANE	.0026
	M-XYLENE	.0136
	METHYLCYCLOHEXANE	.0001
	METHYLDECALINS	.0033
	METHYLDECENE	.0040
	METHYLNAPHTHALENE	.0000
	METHYLNONANE	.0250
	METHYLPROPYLCYCLOHEXANE	.0359
	METHYLUNDECANE	.0055
	N-NONANE	.0418
	N-PROPYLBENZENE	.0000
	NAPHTHALENE	.0021
	NONADIENE	.0010
	O-ETHYLTOLUENE	.0023
	O-XYLENE	.0094
	OCTAHYDROINDENES	.0010
	OCTAHYDROPENTALENE	.0006
	OCTANOL	.0006
	P-DICHLOROBENZENE	.0000
	PENTYLINDENECYCLOHEXANE	.0010
	PROPENYLCYCLOHEXANE	.0046
	PROPYL HEPTENE	.0033
	PROPYLBENZENE	.0059
	PROPYLCYCLOHEXANE	.0127
	TERT-BUTYLBENZENE	.0019
	TETRAMETHYLCYCLOPENTANE	.0033
	TETRAMETHYLPENTANONE	.0038
	TETRAMETHYLTHIOUREA	.0003
	TOLUENE	.0030
	TRIMETHYLBENZENE	.0134
	TRIMETHYLCYCLOHEXANE	.0121
	TRIMETHYLCYCLOHEXANOL	.0010
	TRIMETHYLCYCLOPENTANONE	.0009
	TRIMETHYLDECANE	.0001
	TRIMETHYLHEXENE	.0021
	TRIMETHYLOCTANE	.0021

TABLE II  
VOC SPECIES PROFILE

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
517	UNK C9 PARAFFIN	.0000
	2-METHYLDECANE	.0251
	2-METHYLOCTANE	.0089
	2-METHYLPENTANE	.0001
	2,4-DIMETHYLOCTANE	.0389
	2,4,5-TRIMETHYLHEPTANE	.0353
*TOTAL	517	.9993

518 AEROSOL SPRAYS- NON-SYNTHETIC

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
518	DIMETHYL ETHER	.1000
	ISOBUTANE	.2250
	N-BUTANE	.2250
	PROPANE	.4500
*TOTAL	518	1.0000

519 AEROSOL SPRAYS- SYNTHETIC

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
519	CRYOFLUORANE (F-114)	.3334
	DICHLORODIFLUOROMETHANE (F-12)	.3333
	TRICHLOROFUOROMETHANE	.3333
*TOTAL	519	1.0000

520 COMPOSITE NATURAL GAS

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
520	ETHANE	.0510
	ISOBUTANE	.0010
	METHANE	.9370
	N-BUTANE	.0010
	PROPANE	.0100
*TOTAL	520	1.0000

TABLE II  
VOC SPECIES PROFILE

522 FORMICA MANUFACTURING

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
522	FORMALDEHYDE	.0290
	METHYL ALCOHOL	.8000
	PHENOL (CARBOLIC ACID)	.1710
*TOTAL	522	1.0000

523 OPEN BURNING DUMP- LANDSCAPE/PRUNING (MODIFIED KVB 121)

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
523	ACETYLENE	.0046
	BUTENE	.0154
	ETHYLENE	.1749
	ISOBUTANE	.0052
	ISOMERS OF PENTENE	.0307
	METHANE	.5600
	N-BUTANE	.0051
	N-HEPTANE	.0369
	N-HEXANE	.0371
	N-OCTANE	.0366
	N-PENTANE	.0051
	PROPANE	.0051
	1-PENTENE	.0307
*TOTAL	523	.9474

524 METHYLENE CHLORIDE

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
524	DICHLOROMETHANE (METHYLENE CHL)	1.0000
*TOTAL	524	1.0000

TABLE II  
VOC SPECIES PROFILE

526 1979 EXHAUST COMPOSITE 50/50 (ALDEHYDES IN EMISSIONS)

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
-----	-----	-----
526	ACETALDEHYDE	.0169
	ACETYLENE	.0569
	BENZENE	.0230
	ETHANE	.0114
	ETHYLBENZENE	.0067
	ETHYLENE	.0871
	FORMALDEHYDE	.0424
	ISOMERS OF BUTENE	.0370
	ISOMERS OF BUTYLBENZENE	.0073
	ISOMERS OF DECANE	.0021
	ISOMERS OF HEPTANE	.0651
	ISOMERS OF HEXANE	.0353
	ISOMERS OF NONANE	.0123
	ISOMERS OF OCTANE	.1015
	ISOMERS OF PENTANE	.0995
	ISOMERS OF PENTENE	.0289
	ISOMERS OF XYLENE	.0316
	METHANE	.1413
	N-BUTANE	.0372
	PROPYLENE	.0506
	TOLUENE	.1022
	TRIMETHYLBENZENE	.0188
	1-HEPTENE	.0051
	1-HEXENE	.0106
		-----
*TOTAL	526	1.0307



TABLE II  
VOC SPECIES PROFILE

527 NON-CATALYST EXHAUST (ALDEHYDES IN EMISSIONS)

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
-----	-----	-----
527	ACETALDEHYDE	.0190
	ACETYLENE	.0865
	BENZENE	.0367
	ETHANE	.0074
	ETHYLBENZENE	.0071
	ETHYLENE	.1175
	FORMALDEHYDE	.0285
	ISOMERS OF BUTENE	.0439
	ISOMERS OF BUTYLBENZENE	.0007
	ISOMERS OF DECANE	.0033
	ISOMERS OF HEPTANE	.0538
	ISOMERS OF HEXANE	.0430
	ISOMERS OF NONANE	.0127
	ISOMERS OF OCTANE	.0855
	ISOMERS OF PENTANE	.0513
	ISOMERS OF PENTENE	.0209
	ISOMERS OF XYLENE	.0347
	METHANE	.0880
	N-BUTANE	.0325
	PROPYLENE	.0861
	TOLUENE	.1132
	TRIMETHYLBENZENE	.0199
	1-HEPTENE	.0103
	1-HEXENE	.0079
		-----
*TOTAL	527	1.0101

528 OCS PRODUCTION PLATFORM FUGITIVES

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
-----	-----	-----
528	ETHANE	.0330
	ISOBUTANE	.0240
	ISOMERS OF PENTANE	.0160
	METHANE	.7670
	N-HEXANE	.1350
	PROPANE	.0250
		-----
*TOTAL	528	1.0000

TABLE II  
VOC SPECIES PROFILE

529 OIL & GAS EXTRACTION - PIPELINE VALVES & FITTINGS

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
529	BENZENE	.0110
	ETHANE	.0120
	ISOBUTANE	.0410
	ISOMERS OF HEPTANE	.0220
	ISOMERS OF HEXANE	.0230
	ISOMERS OF OCTANE	.0020
	ISOMERS OF PENTANE	.0480
	METHANE	.5970
	N-BUTANE	.0920
	N-HEPTANE	.0090
	N-HEXANE	.0210
	N-PENTANE	.0450
	PROPANE	.0710
	TOLUENE	.0060
*TOTAL	529	1.0000

530 OIL & GAS EXTRACTION - PUMP SEALS

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
530	BENZENE	.0130
	ETHANE	.0150
	ISOBUTANE	.0520
	ISOMERS OF HEPTANE	.0280
	ISOMERS OF HEXANE	.0280
	ISOMERS OF OCTANE	.0020
	ISOMERS OF PENTANE	.0620
	METHANE	.4930
	N-BUTANE	.1160
	N-HEPTANE	.0110
	N-HEXANE	.0260
	N-PENTANE	.0560
	PROPANE	.0900
	TOLUENE	.0080
*TOTAL	530	1.0000

TABLE II  
VOC SPECIES PROFILE

531 OIL & GAS EXTRACTION - COMPRESSOR SEALS

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
531	BENZENE	.0070
	ETHANE	.0080
	ISOBUTANE	.0280
	ISOMERS OF HEPTANE	.0150
	ISOMERS OF HEXANE	.0150
	ISOMERS OF OCTANE	.0010
	ISOMERS OF PENTANE	.0330
	METHANE	.7300
	N-BUTANE	.0610
	N-HEPTANE	.0060
	N-HEXANE	.0140
	N-PENTANE	.0300
	PROPANE	.0480
	TOLUENE	.0040
*TOTAL 531		1.0000

532 OIL & GAS EXTRACTION - WELL HEADS & CELLARS/OIL&WATER SEPARAT

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
532	BENZENE	.0160
	ETHANE	.0190
	ISOBUTANE	.0640
	ISOMERS OF HEPTANE	.0340
	ISOMERS OF HEXANE	.0350
	ISOMERS OF OCTANE	.0030
	ISOMERS OF PENTANE	.0770
	METHANE	.3750
	N-BUTANE	.1420
	N-HEPTANE	.0140
	N-HEXANE	.0320
	N-PENTANE	.0690
	PROPANE	.1100
	TOLUENE	.0100
*TOTAL 532		1.0000

*ROC = 0.600  
TOA*

TABLE II  
VOC SPECIES PROFILE

533 DAYTIME BIOGENIC PROFILE- KERN CROPS

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
-----	-----	-----
533	A-PINENE	.0400
	B-PINENE	.0200
	D-LIMONENE	.0600
	ETHANE	.1000
	ETHYLBENZENE	.0200
	ETHYLENE	.0600
	ISOPRENE	.2000
	M-XYLENE	.0070
	METHANE	.2500
	O-XYLENE	.0060
	P-XYLENE	.0070
	PROPANE	.1000
	TOLUENE	.0200
	TRIMETHYLBENZENE	.0200
	1-HEXENE	.0167
	1-PENTENE	.0167
	1,3-BUTADIENE	.0166
	1,3,5-TRIMETHYLBENZENE	.0200
	3-CARENE	.0200
		-----
*TOTAL	533	1.0000

TABLE II  
VOC SPECIES PROFILE

534 NIGHTTIME BIOGENIC PROFILE - KERN CROPS

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
534	A-PINENE	.0300
	B-PINENE	.0100
	D-LIMONENE	.0400
	ETHANE	.0700
	ETHYLBENZENE	.0160
	ETHYLENE	.0400
	ISOPRENE	.0200
	M-XYLENE	.0053
	METHANE	.6000
	O-XYLENE	.0053
	P-XYLENE	.0054
	PROPANE	.0700
	TOLUENE	.0160
	TRIMETHYLBENZENE	.0160
	1-HEXENE	.0100
	1-PENTENE	.0100
	1,3-BUTADIENE	.0100
	1,3,5-TRIMETHYLBENZENE	.0160
	3-CARENE	.0100
*TOTAL	534	1.0000

535 COAL COMBUSTION - BITUMINOUS - FLUIDIZED BED

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
535	ETHANE	.1230
	ETHYLENE	.0519
	METHANE	.8921
*TOTAL	535	1.0670

TABLE II  
VOC SPECIES PROFILE

537 CRUDE OIL - SUMPS, WELLS, HOTS - KERN COUNTY

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
-----	-----	-----
537	ETHYLENE BOND	.0460
	OLEFIN BOND	.0090
	PARAFFIN BOND	.8570
	UNREACTIVE BOND	.0880
		-----
*TOTAL	537	1.0000

546 CRUDE OIL - STORAGE TANKS - KERN COUNTY

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
-----	-----	-----
546	BENZENE	.0184
	ETHANE	.0207
	ISOBUTANE	.0714
	ISOMERS OF HEPTANE	.0384
	ISOMERS OF HEXANE	.0391
	ISOMERS OF OCTANE	.0031
	ISOMERS OF PENTANE	.0860
	METHANE	.3000
	N-BUTANE	.1596
	N-HEPTANE	.0154
	N-HEXANE	.0361
	N-PENTANE	.0775
	PROPANE	.1236
	TOLUENE	.0107
		-----
*TOTAL	546	1.0000

547 PROPANE

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
-----	-----	-----
547	PROPANE	1.0000
		-----
*TOTAL	547	1.0000

TABLE II  
VOC SPECIES PROFILE

548 BUTANE

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
548	N-BUTANE	1.0000
*TOTAL	548	1.0000

549 RED OAK COMBUSTION - WOOD STOVE (W/O CATALYST)

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
549	ACETALDEHYDE	.0379
	ACETONE	.0280
	ETHANE	.0053
	ETHYLENE	.0138
	FORMALDEHYDE	.0408
	ISOMERS OF HEPTANE	.1680
	ISOMERS OF PENTANE	.0318
	ISOMERS OF XYLENE	.0062
	METHANE	.5110
	N-BUTANE	.0322
	PROPANE	.0050
	PROPRIONALDEHYDE	.0597
	PROPYLENE	.0092
	TOLUENE	.0102
*TOTAL	549	.9592

550 OCS - GAS SEEPS

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
550	ETHANE	.0600
	ISOMERS OF HEPTANE	.0100
	ISOMERS OF HEXANE	.0100
	ISOMERS OF PENTANE	.0300
	METHANE	.7500
	N-BUTANE	.0700
	PROPANE	.0700
*TOTAL	550	1.0000

TABLE II  
VOC SPECIES PROFILE

551 OCS - OIL SEEPS - VOLATILE FRACTION

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
-----	-----	-----
551	BENZENE	.0100
	ETHANE	.0100
	ISOMERS OF DECANE	.1200
	ISOMERS OF DODECANE	.1200
	ISOMERS OF HEPTANE	.1200
	ISOMERS OF HEXANE	.0800
	ISOMERS OF NONANE	.1200
	ISOMERS OF OCTANE	.1200
	ISOMERS OF PENTANE	.0700
	ISOMERS OF UNDECANE	.1200
	N-BUTANE	.0700
	PROPANE	.0300
	TOLUENE	.0100
		-----
*TOTAL	551	1.0000

552 PHENOL

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
-----	-----	-----
552	PHENOL (CARBOLIC ACID)	1.0000
		-----
*TOTAL	552	1.0000

553 ETHYLENE DICHLORIDE

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
-----	-----	-----
553	ETHYLENE DICHLORIDE	1.0000
		-----
*TOTAL	553	1.0000



TABLE II  
VOC SPECIES PROFILE

554 ETHYLENE DIBROMIDE

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
554	ETHYLENE DIBROMIDE	1.0000
*TOTAL	554	1.0000

555 METHYL METHACRYLATE

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
555	METHYL METHACRYLATE	1.0000
*TOTAL	555	1.0000

556 VINYL ACETATE

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
556	VINYL ACETATE	1.0000
*TOTAL	556	1.0000

557 METHYL ACRYLATE

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
557	METHYL ACRYLATE	1.0000
*TOTAL	557	1.0000

558 ACRYLONITRILE

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
558	ACRYLONITRILE	1.0000
*TOTAL	558	1.0000

TABLE II  
VOC SPECIES PROFILE

560 DIESEL EXHAUST(ALDEHYDES NOT IN EMISSIONS) EPA 4/88

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
560	A-PINENE	.0002
	ACETALDEHYDE	.0345
	ACETYLENE	.0400
	BENZALDEHYDE	.0070
	BENZENE	.0200
	BENZOTHAZOLE	.0002
	BUTYLCYCLOHEXANE	.0034
	CHLOROBENZENE (MONOCHLOROBENZE	.0008
	CROTONALDEHYDE	.0148
	C10 OLEFINS	.0043
	C11 OLEFINS	.0019
	C12 OLEFINS	.0002
	C4 ALKYLPHENOLS	.0008
	C5 ALKYL BENZENES	.0002
	C5 ALKYLPHENOLS	.0004
	C8 OLEFINS	.0000
	C9 OLEFINS	.0000
	DECALIN	.0013
	DIETHYLCYCLOHEXANE	.0009
	DIETHYLMETHYLCYCLOHEXANE	.0011
	DIMETHYLBENZULALCOHOL	.0004
	DIMETHYLBUTYLCYCLOHEXANE	.0001
	DIMETHYLCYCLOHEXANE	.0009
	DIMETHYLDECANE	.0006
	DIMETHYLETHYLCYCLOHEXANE	.0019
	DIMETHYLHEPTANE	.0012
	DIMETHYLNONANE	.0051
	DIMETHYLOCTYNE	.0002
	DIMETHYLPENTENE	.0009
	DIMETHYLUNDECANE	.0005
	ETHANE	.0049
	ETHYLBENZENE	.0007
	ETHYLCYCLOHEXANE	.0012
	ETHYLENE	.1214
	ETHYLHEXANE	.0007
	ETHYLMETHYLCYCLOHEXANE	.0085
	ETHYLMETHYLHEXANE	.0002
	ETHYLOCTANE	.0005
	ETHYLPROPYLCYCLOHEXANE	.0011
	FORMALDEHYDE	.1020
	INDENE	.0006
	ISOMERS OF BUTYLBENZENE	.0072
	ISOMERS OF DECANE	.0245
	ISOMERS OF DECYNE	.0001

TABLE II  
VOC SPECIES PROFILE

560 DIESEL EXHAUST(ALDEHYDES NOT IN EMISSIONS) EPA 4/88

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
560	ISOMERS OF DODECANE	.0023
	ISOMERS OF NONANE	.0000
	ISOMERS OF TRIDECANE	.0001
	ISOMERS OF UNDECANE	.0160
	ISOMERS OF UNDECYNE	.0005
	ISOMERS OF XYLENE	.0032
	ISOPROPYLMETHYLCYCLOHEXANE	.0009
	METHANE	.0572
	METHYLCYCLOHEXANE	.0000
	METHYLDECALINS	.0012
	METHYLDECENE	.0014
	METHYLNAPHTHALENE	.0000
	METHYLNONANE	.0084
	METHYLPROPYLCYCLOHEXANE	.0119
	METHYLUNDECANE	.0019
	N-BUTANE	.0376
	N-HEPTANE	.0047
	N-HEXANE	.0163
	N-NONANE	.0187
	N-OCTANE	.0046
	N-PENTADECANE	.4023
	N-PENTANE	.0211
	N-PROPYLBENZENE	.0000
	NAPHTHALENE	.0006
	NONADIENE	.0003
	O-ETHYLTOLUENE	.0008
	O-XYLENE	.0072
	OCTAHYDROINDENES	.0004
	OCTAHYDROPENTALENE	.0003
	OCTANOL	.0002
	P-DICHLOROBENZENE	.0000
	PENTYLINDENECYCLOHEXANE	.0003
	PROPENYLCYCLOHEXANE	.0018
	PROPRIONALDEHYDE	.0210
	PROPYL HEPTENE	.0012
	PROPYLBENZENE	.0018
	PROPYLCYCLOHEXANE	.0042
	PROPYLENE	.0454
	TERT-BUTYLBENZENE	.0006
	TETRAMETHYLCYCLOPENTANE	.0012
	TETRAMETHYLPENTANONE	.0013
	TETRAMETHYLTHIOUREA	.0002
	TOLUENE	.0202
	TRIMETHYLBENZENE	.0064

TABLE II  
VOC SPECIES PROFILE

560 DIESEL EXHAUST(ALDEHYDES NOT IN EMISSIONS) EPA 4/88

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
-----	-----	-----
560	TRIMETHYLCYCLOHEXANE	.0041
	TRIMETHYLCYCLOHEXANOL	.0004
	TRIMETHYLCYCLOPENTANONE	.0004
	TRIMETHYLDECANE	.0000
	TRIMETHYLHEXENE	.0007
	TRIMETHYLOCTANE	.0007
	2-METHYLDECANE	.0085
	2-METHYLPENTANE	.0000
	2,4-DIMETHYLOCTANE	.0162
	2,4,5-TRIMETHYLHEPTANE	.0120
		-----
*TOTAL	560	1.1859

TABLE II  
VOC SPECIES PROFILE

561 DIESEL EXHAUST(ALDEHYDES IN EMISSIONS) EPA 4/88

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
-----	-----	-----
561	A-PINENE	.0002
	ACETALDEHYDE	.0297
	ACETYLENE	.0346
	BENZALDEHYDE	.0060
	BENZENE	.0173
	BENZOTHAZOLE	.0001
	BUTYLCYCLOHEXANE	.0029
	CHLOROBENZENE (MONOCHLOROBENZE	.0007
	CROTONALDEHYDE	.0128
	C10 OLEFINS	.0037
	C11 OLEFINS	.0016
	C12 OLEFINS	.0002
	C4 ALKYLPHENOLS	.0007
	C5 ALKYL BENZENES	.0002
	C5 ALKYLPHENOLS	.0003
	C8 OLEFINS	.0000
	C9 OLEFINS	.0000
	DECALIN	.0011
	DIETHYLCYCLOHEXANE	.0008
	DIETHYLMETHYLCYCLOHEXANE	.0010
	DIMETHYLBENZYLALCOHOL	.0003
	DIMETHYLBUTYLCYCLOHEXANE	.0001
	DIMETHYLCYCLOHEXANE	.0008
	DIMETHYLDECANE	.0005
	DIMETHYLETHYLCYCLOHEXANE	.0016
	DIMETHYLHEPTANE	.0010
	DIMETHYLNONANE	.0044
	DIMETHYLOCTYNE	.0002
	DIMETHYLPENTENE	.0008
	DIMETHYLUDECANE	.0004
	ETHANE	.0042
	ETHYLBENZENE	.0006
	ETHYLCYCLOHEXANE	.0010
	ETHYLENE	.1050
	ETHYLHEXANE	.0006
	ETHYLMETHYLCYCLOHEXANE	.0074
	ETHYLMETHYLHEXANE	.0002
	ETHYLOCTANE	.0004
	ETHYLPROPYLCYCLOHEXANE	.0009
	FORMALDEHYDE	.0879
	INDENE	.0006
	ISOMERS OF BUTYLBENZENE	.0062
	ISOMERS OF DECANE	.0212
	ISOMERS OF DECYNE	.0001

TABLE II  
VOC SPECIES PROFILE

561 DIESEL EXHAUST(ALDEHYDES IN EMISSIONS) EPA 4/88

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
561	ISOMERS OF DODECANE	.0019
	ISOMERS OF NONANE	.0000
	ISOMERS OF TRIDECANE	.0001
	ISOMERS OF UNDECANE	.0138
	ISOMERS OF UNDECYNE	.0004
	ISOMERS OF XYLENE	.0028
	ISOPROPYLMETHYLCYCLOHEXANE	.0008
	METHANE	.0495
	METHYLCYCLOHEXANE	.0000
	METHYLDECALINS	.0010
	METHYLDECENE	.0012
	METHYLNAPHTHALENE	.0000
	METHYLNONANE	.0073
	METHYLPROPYLCYCLOHEXANE	.0103
	METHYLUNDECANE	.0016
	N-BUTANE	.0325
	N-HEPTANE	.0040
	N-HEXANE	.0141
	N-NONANE	.0162
	N-OCTANE	.0040
	N-PENTADECANE	.3479
	N-PENTANE	.0182
	N-PROPYLBENZENE	.0000
	NAPHTHALENE	.0006
	NONADIENE	.0003
	O-ETHYLTOLUENE	.0007
	O-XYLENE	.0062
	OCTAHYDROINDENES	.0003
	OCTAHYDROPENTALENE	.0002
	OCTANOL	.0002
	P-DICHLOROBENZENE	.0000
	PENTYLINDENECYCLOHEXANE	.0003
	PROPENYLCYCLOHEXANE	.0016
	PROPRIONALDEHYDE	.0181
	PROPYL HEPTENE	.0010
	PROPYLBENZENE	.0015
	PROPYLCYCLOHEXANE	.0036
	PROPYLENE	.0393
	TERT-BUTYLBENZENE	.0005
	TETRAMETHYLCYCLOPENTANE	.0010
	TETRAMETHYLPENTANONE	.0011
	TETRAMETHYLTHIOUREA	.0002
	TOLUENE	.0175
	TRIMETHYLBENZENE	.0055

TABLE II  
VOC SPECIES PROFILE

561 DIESEL EXHAUST(ALDEHYDES IN EMISSIONS) EPA 4/88

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
-----		
561	TRIMETHYLCYCLOHEXANE	.0035
	TRIMETHYLCYCLOHEXANOL	.0003
	TRIMETHYLCYCLOPENTANONE	.0003
	TRIMETHYLDECANE	.0000
	TRIMETHYLHEXENE	.0006
	TRIMETHYLOCTANE	.0006
	2-METHYLDECANE	.0074
	2-METHYLPENTANE	.0000
	2,4-DIMETHYLOCTANE	.0140
	2,4,5-TRIMETHYLHEPTANE	.0104
-----		
*TOTAL	561	1.0253

562 GEYSERS POWER PLANT MAIN STEAM

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
-----		
562	BENZENE	.0063
	CYCLOHEXANE	.0099
	C10 AROMATICS	.0055
	DIMETHYLCYCLOPENTANE	.0018
	DIMETHYLHEPTANE	.0009
	ETHANE	.0217
	ISOBUTANE	.0024
	ISOPENTANE	.0147
	M-XYLENE	.0010
	METHANE	.8589
	METHYLCYCLOHEXANE	.0048
	METHYLCYCLOPENTANE	.0066
	N-BUTANE	.0148
	N-HEXANE	.0039
	N-NONANE	.0007
	N-OCTANE	.0012
	N-PENTANE	.0026
	O-XYLENE	.0006
	P-XYLENE	.0019
	PROPANE	.0175
	TOLUENE	.0048
	2,2,3-TRIMETHYLPENTANE	.0015
	2,2,4-TRIMETHYLPENTANE	.0003
	2,5-DIMETHYLHEXANE	.0008
-----		
*TOTAL	562	.9850

TABLE II  
VOC SPECIES PROFILE

600 SPECIES UNKNOWN- ALL CATEGORY COMPOSITE

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
-----	-----	-----
600	CYCLOPENTANE	.0235
	ETHANE	.0514
	ETHYLENE	.0327
	ISOBUTANE	.0290
	ISOMERS OF HEXANE	.0286
	ISOMERS OF NONANE	.0251
	ISOMERS OF PENTANE	.1178
	METHANE	.2500
	N-BUTANE	.1500
	N-HEPTANE	.0267
	N-HEXANE	.0375
	N-PENTANE	.0569
	PROPANE	.0465
	TOLUENE	.0815
	2,2,4-TRIMETHYLPENTANE	.0428
		-----
*TOTAL	600	1.0000



TABLE II  
VOC SPECIES PROFILE

709 LIQUID GASOLINE-COMPOSITE OF PRODUCT-SUMMER BLEND

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
-----	-----	-----
709	A-PINENE	.0000
	B-PINENE	.0020
	BENZENE	.0210
	CIS-2-BUTENE	.0010
	CIS-2-HEXENE	.0070
	CIS-2-OCTENE	.0010
	CIS-2-PENTENE	.0030
	CYCLOHEXANE	.0080
	CYCLOPENTANE	.0060
	CYCLOPENTENE	.0010
	C10 AROMATICS	.0050
	C10 OLEFINS	.0010
	C6 OLEFINS	.0000
	C7-OLEFINS	.0000
	C8 OLEFINS	.0020
	C9 OLEFINS	.0070
	ETHYLBENZENE	.0170
	ETHYLENE DIBROMIDE	.0000
	INDAN	.0030
	INDENE	.0000
	ISOBUTANE	.0070
	ISOMERS OF BUTENE	.0010
	ISOMERS OF DECANE	.0100
	ISOMERS OF HEPTANE	.0600
	ISOMERS OF HEXANE	.0420
	ISOMERS OF NONANE	.0220
	ISOMERS OF OCTANE	.0090
	ISOMERS OF PENTANE	.0780
	ISOMERS OF XYLENE	.0780
	ISOPROPYLBENZENE (CUMENE)	.0010
	M-DIETHYLBENZENE	.0050
	M-ETHYLTOLUENE	.0250
	METHYLCYCLOHEXANE	.0110
	METHYLCYCLOPENTANE	.0310
	N-BUTANE	.0290
	N-DECANE	.0030
	N-HEPTANE	.0200
	N-HEXANE	.0260
	N-NONANE	.0060
	N-OCTANE	.0090
	N-PENTANE	.0340
	N-PROPYLBENZENE	.0050
	N-UNDECANE	.0010
	NAPHTHALENE	.0000

TABLE II  
VOC SPECIES PROFILE

709 LIQUID GASOLINE-COMPOSITE OF PRODUCT-SUMMER BLEND

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
-----	-----	-----
709	O-ETHYLTOLUENE	.0110
	O-XYLENE	.0290
	OCTENE	.0010
	PROPANE	.0000
	TERT-BUTYLBENZENE	.0060
	TOLUENE	.0910
	TRANS-2-BUTENE	.0010
	TRANS-2-HEXENE	.0050
	TRANS-2-PENTENE	.0060
	1-HEXENE	.0020
	1-METHYLCYCLOHEXENE	.0030
	1-NONENE	.0010
	1-PENTENE	.0020
	1-UNDECENE	.0010
	1,1-DICHLOROETHANE	.0000
	1,2,3-TRIMETHYLBENZENE	.0060
	1,2,4-TRIMETHYLBENZENE	.0330
	1,3,5-TRIMETHYLBENZENE	.0120
	2-METHYL-1-BUTENE	.0030
	2-METHYL-2-BUTENE	.0120
	2,2-DIMETHYLBUTANE	.0100
	2,2,4-TRIMETHYLPENTANE	.0220
	2,2,5-TRIMETHYLHEXANE	.0060
	2,3,4-TRIMETHYLPENTANE	.0080
	2,4-DIMETHYLPENTANE	.0090
	2,4,4-TRIMETHYL-1-PENTENE	.0010
	2,5-DIMETHYLHEXANE	.0100
	3-METHYL-TRANS-2-PENTENE	.0010
	3-METHYL-1-BUTENE	.0000
	3-METHYLHEPTANE	.0150
	3-METHYLHEXANE	.0210
	3-METHYLPENTANE	.0250
	3,5,5-TRIMETHYLHEXANE	.0140
	4-METHYL-TRANS-2-PENTENE	.0000
	-----	-----
*TOTAL	709	.9650

TABLE II  
VOC SPECIES PROFILE

710 GASOLINE VAPORS-COMPOSITE OF PRODUCT-SUMMER BLEND

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
-----	-----	-----
710	BENZENE	.0070
	CIS-2-BUTENE	.0090
	CIS-2-HEXENE	.0040
	CIS-2-PENTENE	.0070
	CYCLOHEXANE	.0020
	CYCLOPENTANE	.0070
	CYCLOPENTENE	.0020
	C10 AROMATICS	.0000
	C10 OLEFINS	.0000
	C6 OLEFINS	.0000
	C7-OLEFINS	.0000
	C9 OLEFINS	.0000
	ETHANE	.0000
	ETHYLBENZENE	.0000
	INDENE	.0000
	ISOBUTANE	.0970
	ISOMERS OF BUTENE	.0110
	ISOMERS OF HEPTANE	.0150
	ISOMERS OF HEXANE	.0470
	ISOMERS OF NONANE	.0000
	ISOMERS OF OCTANE	.0000
	ISOMERS OF PENTANE	.2660
	ISOMERS OF XYLENE	.0010
	M-DIETHYLBENZENE	.0000
	METHYLCYCLOHEXANE	.0010
	METHYLCYCLOPENTANE	.0160
	N-BUTANE	.2280
	N-HEPTANE	.0030
	N-HEXANE	.0180
	N-OCTANE	.0000
	N-PENTANE	.0850
	O-ETHYLTOLUENE	.0000
	O-XYLENE	.0000
	PROPANE	.0120
	TERT-BUTYLBENZENE	.0000
	TOLUENE	.0060
	TRANS-2-BUTENE	.0120
	TRANS-2-HEXENE	.0030
	TRANS-2-PENTENE	.0160
	1-HEXENE	.0020
	1-METHYLCYCLOHEXENE	.0000
	1-PENTENE	.0100
	1,2,3-TRIMETHYLBENZENE	.0000
	1,2,4-TRIMETHYLBENZENE	.0000

TABLE II  
VOC SPECIES PROFILE

710 GASOLINE VAPORS-COMPOSITE OF PRODUCT-SUMMER BLEND

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
-----		
710	1,3,5-TRIMETHYLBENZENE	.0000
	2-METHYL-1-BUTENE	.0190
	2-METHYL-2-BUTENE	.0100
	2,2-DIMETHYLBUTANE	.0120
	2,2,4-TRIMETHYLPENTANE	.0040
	2,2,5-TRIMETHYLHEXANE	.0000
	2,3,4-TRIMETHYLPENTANE	.0000
	2,4-DIMETHYLPENTANE	.0050
	2,4,4-TRIMETHYL-1-PENTENE	.0000
	2,5-DIMETHYLHEXANE	.0010
	3-METHYL-TRANS-2-PENTENE	.0000
	3-METHYL-1-BUTENE	.0040
	3-METHYLHEPTANE	.0000
	3-METHYLHEXANE	.0040
	3-METHYLPENTANE	.0230
	3,5,5-TRIMETHYLHEXANE	.0010
	4-METHYL-TRANS-2-PENTENE	.0020
-----		
*TOTAL	710	.9720

711 INDUSTRIAL SURFACE COATING-COMPOSITE LAQUER

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
-----		
711	ETHYLCYCLOHEXANE	.0070
	ETHYLCYCLOPENTANE	.0160
	ISOMERS OF NONANE	.0440
	ISOMERS OF XYLENE	.0100
	METHYL HEPTENE	.0110
	METHYLCYCLOHEXANE	.1520
	N-BUTYL ACETATE	.1480
	N-HEPTANE	.1010
	O-XYLENE	.0310
	TOLUENE	.4450
	TRIMETHYLCYCLOHEXANE	.0080
	TRIMETHYLCYCLOPENTANE	.0120
	2,4-DIMETHYLHEXANE	.0070
-----		
*TOTAL	711	.9920

TABLE II  
VOC SPECIES PROFILE

712 INDUSTRIAL SURFACE COATING-COMPOSITE ENAMEL

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
-----	-----	-----
712	ACETONE	.0550
	CYCLOHEXANE	.0220
	ETHYL ACETATE	.0890
	ETHYLBENZENE	.0230
	HEPTANONE	.0360
	ISOMERS OF ETHYLTOLUENE	.0080
	ISOMERS OF XYLENE	.1150
	METHYL ETHYL KETONE	.0230
	METHYL ISOBUTYL KETONE	.0150
	N-BUTYL ACETATE	.0940
	N-HEPTANE	.0150
	O-XYLENE	.1150
	PROPYL ACETATE	.0550
	TOLUENE	.1590
	TRIMETHYLBENZENE	.0050
	2-METHYL-3-HEXANONE	.1640
*TOTAL	712	----- .9930

713 INDUSTRIAL SURFACE COATING-COMPOSITE PRIMER

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
-----	-----	-----
713	BUTYL CELLOSOLVE	.1010
	DIMETHYLCYCLOHEXANE	.0620
	DIMETHYLHEPTANE	.0100
	ETHYLCYCLOHEXANE	.0200
	ISOMERS OF NONANE	.0340
	ISOMERS OF XYLENE	.0140
	METHYLCYCLOHEXANE	.0250
	N-BUTYL ACETATE	.0840
	N-HEPTANE	.0190
	O-XYLENE	.0220
	TOLUENE	.4430
	TRIMETHYLCYCLOHEXANE	.0240
	2,4-DIMETHYLHEXANE	.1100
	2,4-DIMETHYLPENTANE	.0260
*TOTAL	713	----- .9940

TABLE II  
VOC SPECIES PROFILE

714 INDUSTRIAL SURFACE COATING-COMPOSITE ADHESIVE

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
714	ACETONE	.1320
	BUTANDIOL	.1110
	ISOMERS OF PENTANE	.5600
	METHYL ETHYL KETONE	.1110
	METHYL ISOBUTYL KETONE	.0080
	METHYLCYCLOPENTANE	.0320
	N-HEXANE	.0090
	TOLUENE	.0340
*TOTAL	714	.9970

715 SLOW CURE ASPHALT

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
715	C2 ALKYL DECALIN	.0390
	C2 ALKYL INDAN	.1120
	C4 SUBSTITUTED CYCLOHEXANONE	.0230
	C5 SUBSTITUTED CYCLOHEXANE	.0410
	C6 SUBSTITUTED CYCLOHEXANE	.0310
	ISOMERS OF TETRADECANE	.0310
	ISOMERS OF TRIDECANE	.0960
	METHYLNAPHTHALENE	.1020
	N-DECANE	.0280
	N-DODECANE	.1850
	N-PENTYLCYCLOHEXANE	.0200
	N-UNDECANE	.0770
	NAPHTHALENE	.0650
	TRIMETHYLBENZENE	.0890
	TRIMETHYLDECENE	.0560
*TOTAL	715	.9950

TABLE II  
VOC SPECIES PROFILE

716 MEDIUM CURE ASPHALT

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
716	C2 CYCLOHEXANE	.0340
	C3 ALKYL CYCLOHEXANE	.0980
	C4 ALKYL CYCLOHEXANE	.0510
	ETHYLBENZENE	.0230
	ISOMERS OF BUTYLBENZENE	.0930
	ISOMERS OF DECANE	.0800
	ISOMERS OF ETHYLTOLUENE	.0290
	ISOMERS OF NONANE	.0200
	ISOMERS OF XYLENE	.0850
	METHYLCYCLOHEXANE	.0210
	N-DECANE	.1240
	N-NONANE	.1040
	N-OCTANE	.0560
	N-UNDECANE	.0210
	O-XYLENE	.0370
	TOLUENE	.0640
	TRIMETHYLBENZENE	.0530
*TOTAL	716	.9930

TABLE II  
VOC SPECIES PROFILE

717 ARCHITECTURAL SURFACE COATING-WATER BASED PAINT

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
-----	-----	-----
717	BENZENE	.0030
	DIBUTYL ETHER	.0020
	DICHLOROMETHANE (METHYLENE CHL	.0550
	ETHYL CHLORIDE	.0060
	ETHYL ISOPROPYL ETHER	.0520
	ETHYLENE GLYCOL	.0050
	HEXYLENE GLYCOL	.0140
	ISOAMYL ISOBUTYRATE	.0030
	ISOMERS OF UNDECANE	.0100
	METHYL CHLORIDE	.0050
	METHYL ISOBUTYRATE	.0010
	N-BUTYL ALCOHOL	.2000
	N-DECANE	.0020
	N-UNDECANE	.0010
	PROPYLCYCLOHEXANONE	.0100
	SUBSTITUTED C7 ESTER (C12)	.2690
	SUBSTITUTED C9 ESTER (C12)	.2850
	1-CHLOROBUTANE	.0220
	1-ETHOXY-2-PROPANOL	.0140
	1-HEPTANOL	.0070
	2-(2-BUTOXYETHOXY)-ETHANOL	.0070
	2-BUTYL TETRAHYDROFURAN	.0010
	2-ETHYL-1-HEXANOL	.0100
	3-(CHLOROMETHYL)-HEPTANE	.0060
		-----
*TOTAL	717	.9900



TABLE II  
VOC SPECIES PROFILE

719 ICE-RECIPROCATING-NATURAL GAS

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
719	ACETALDEHYDE	.0000
	ACETYLENE	.0024
	BENZENE	.0008
	CIS-2-BUTENE	.0000
	CYCLOHEXANE	.0000
	CYCLOPENTANE	.0000
	C10 AROMATICS	.0000
	C10 OLEFINS	.0000
	C9 AROMATICS	.0000
	C9 OLEFINS	.0000
	ETHANE	.1303
	ETHYLBENZENE	.0000
	ETHYLENE	.0052
	FORMALDEHYDE	.0079
	ISOBUTANE	.0036
	ISOBUTYLENE	.0000
	ISOBUTYRALDEHYDE	.0000
	ISOMERS OF BUTENE	.0017
	ISOMERS OF DECANE	.0000
	ISOMERS OF HEPTANE	.0000
	ISOMERS OF HEXANE	.0000
	ISOMERS OF NONANE	.0000
	ISOMERS OF OCTANE	.0000
	ISOMERS OF PENTANE	.0009
	ISOMERS OF XYLENE	.0000
	M-ETHYLTOLUENE	.0000
	M-XYLENE	.0000
	METHANE	.7660
	METHYLCYCLOHEXANE	.0000
	METHYLCYCLOPENTANE	.0000
	N-BUTANE	.0091
	N-DECANE	.0000
	N-HEPTANE	.0000
	N-HEXANE	.0000
	N-NONANE	.0000
	N-OCTANE	.0000
	N-PENTANE	.0009
	N-UNDECANE	.0000
	O-ETHYLTOLUENE	.0000
	O-XYLENE	.0000
	OCTENE	.0000
	PROPANE	.0266
	PROPYLENE	.0140
	TOLUENE	.0000

TABLE II  
VOC SPECIES PROFILE

719 ICE-RECIPROCATING-NATURAL GAS

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
-----	-----	-----
719	TRANS-2-BUTENE	.0009
	TRANS-2-PENTENE	.0000
	1-HEPTENE	.0000
	1-NONENE	.0000
	1-PENTENE	.0000
	1,2,3-TRIMETHYLBENZENE	.0000
	1,2,4-TRIMETHYLBENZENE	.0000
	1,3,5-TRIMETHYLBENZENE	.0000
	2-METHYL-1-PENTENE	.0000
	2-METHYL-2-BUTENE	.0000
	2,2-DIMETHYLBUTANE	.0000
	2,4-DIMETHYLPENTANE	.0000
	3-METHYLHEPTANE	.0000
	3-METHYLHEXANE	.0000
	3-METHYLPENTANE	.0000
		-----
*TOTAL	719	.9703

TABLE II  
VOC SPECIES PROFILE

729 LIQUID GASOILNE-COMPOSITE OF PRODUCT-WINTER BLEND

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
729	A-PINENE	.0010
	B-PINENE	.0020
	BENZENE	.0170
	CIS-2-BUTENE	.0010
	CIS-2-HEXENE	.0010
	CIS-2-OCTENE	.0000
	CIS-2-PENTENE	.0030
	CYCLOHEXANE	.0070
	CYCLOPENTANE	.0060
	CYCLOPENTENE	.0010
	C10 AROMATICS	.0000
	C6 OLEFINS	.0030
	C7-OLEFINS	.0040
	C8 OLEFINS	.0040
	C9 AROMATICS	.0090
	C9 OLEFINS	.0040
	ETHANE	.0000
	ETHYLBENZENE	.0180
	INDAN	.0050
	INDENE	.0000
	ISOBUTANE	.0220
	ISOMERS OF BUTENE	.0010
	ISOMERS OF DECANE	.0300
	ISOMERS OF HEPTANE	.0460
	ISOMERS OF HEXANE	.0360
	ISOMERS OF NONANE	.0190
	ISOMERS OF OCTANE	.0280
	ISOMERS OF PENTANE	.0710
	ISOMERS OF XYLENE	.0760
	ISOPROPYLBENZENE (CUMENE)	.0020
	M-DIETHYLBENZENE	.0050
	M-ETHYLTOLUENE	.0300
	METHYLCYCLOHEXANE	.0120
	METHYLCYCLOPENTANE	.0290
	N-BUTANE	.0580
	N-DECANE	.0030
	N-HEPTANE	.0160
	N-HEXANE	.0210
	N-NONANE	.0060
	N-OCTANE	.0090
	N-PENTANE	.0310
	N-PROPYLBENZENE	.0060
	N-UNDECANE	.0020
	NAPHTHALENE	.0020

TABLE II  
VOC SPECIES PROFILE

729 LIQUID GASOILNE-COMPOSITE OF PRODUCT-WINTER BLEND

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
-----	-----	-----
729	O-ETHYLTOLUENE	.0120
	O-XYLENE	.0300
	OCTENE	.0010
	PROPANE	.0000
	TERT-BUTYLBENZENE	.0090
	TOLUENE	.0740
	TRANS-2-BUTENE	.0020
	TRANS-2-HEXENE	.0050
	TRANS-2-PENTENE	.0050
	1-HEXENE	.0030
	1-METHYLCYCLOHEXENE	.0040
	1-NONENE	.0000
	1-PENTENE	.0030
	1-UNDECENE	.0020
	1,1,2-TRICHLOROETHANE	.0000
	1,2,3-TRIMETHYLBENZENE	.0120
	1,2,4-TRIMETHYLBENZENE	.0370
	1,3,5-TRIMETHYLBENZENE	.0120
	2-METHYL-1-BUTENE	.0030
	2-METHYL-1-PENTENE	.0000
	2-METHYL-2-BUTENE	.0090
	2,2-DIMETHYLBUTANE	.0080
	2,2,5-TRIMETHYLHEXANE	.0060
	2,3,4-TRIMETHYLPENTANE	.0050
	2,4-DIMETHYLPENTANE	.0070
	2,4,4-TRIMETHYL-1-PENTENE	.0000
	2,5-DIMETHYLHEXANE	.0070
	3-METHYL-1-BUTENE	.0000
	3-METHYLHEPTANE	.0120
	3-METHYLHEXANE	.0170
	3-METHYLPENTANE	.0210
	3,5,5-TRIMETHYLHEXANE	.0120
	4-METHYL-TRANS-2-PENTENE	.0000
		-----
*TOTAL	729	.9650

TABLE II  
VOC SPECIES PROFILE

730 GASOLINE VAPORS-COMPOSITE OF PRODUCT-WINTER BLEND

PROFILE NUMBER -----	SPECIES -----	WEIGHT FRACTION -----
730	BENZENE	.0150
	CHLOROBENZENE (MONOCHLOROBENZE	.0000
	CIS-2-BUTENE	.0080
	CIS-2-HEXENE	.0010
	CIS-2-OCTENE	.0000
	CIS-2-PENTENE	.0050
	CYCLOHEXANE	.0050
	CYCLOPENTANE	.0060
	CYCLOPENTENE	.0020
	C6 OLEFINS	.0060
	C7-OLEFINS	.0000
	C8 OLEFINS	.0020
	C9 AROMATICS	.0000
	C9 OLEFINS	.0020
	ETHANE	.0000
	ETHYLBENZENE	.0020
	INDAN	.0000
	ISOBUTANE	.1370
	ISOMERS OF BUTENE	.0120
	ISOMERS OF DECANE	.0000
	ISOMERS OF HEPTANE	.0330
	ISOMERS OF HEXANE	.0390
	ISOMERS OF NONANE	.0040
	ISOMERS OF OCTANE	.0140
	ISOMERS OF PENTANE	.1580
	ISOMERS OF XYLENE	.0070
	ISOPROPYLBENZENE (CUMENE)	.0000
	ISOVALERALDEHYDE	.0000
	M-DIETHYLBENZENE	.0000
	M-ETHYLTOLUENE	.0000
	METHYLCYCLOHEXANE	.0050
	METHYLCYCLOPENTANE	.0250
	N-BUTANE	.2450
	N-DECANE	.0000
	N-HEPTANE	.0080
	N-HEXANE	.0180
	N-NONANE	.0000
	N-OCTANE	.0020
	N-PENTANE	.0530
	N-PROPYLBENZENE	.0000
	NAPHTHALENE	.0000
	O-ETHYLTOLUENE	.0000
	O-XYLENE	.0030
	OCTENE	.0000

TABLE II  
VOC SPECIES PROFILE

730 GASOLINE VAPORS-COMPOSITE OF PRODUCT-WINTER BLEND

PROFILE NUMBER -----	SPECIES	WEIGHT FRACTION -----
730	PROPANE	.0100
	TERT-BUTYLBENZENE	.0000
	TOLUENE	.0200
	TRANS-2-BUTENE	.0110
	TRANS-2-HEXENE	.0040
	TRANS-2-PENTENE	.0100
	1-HEXENE	.0040
	1-METHYLCYCLOHEXENE	.0010
	1-PENTENE	.0070
	1,1,2-TRICHLOROETHANE	.0000
	1,2,3-TRIMETHYLBENZENE	.0000
	1,2,4-TRIMETHYLBENZENE	.0000
	1,3,5-TRIMETHYLBENZENE	.0000
	2-METHYL-1-BUTENE	.0080
	2-METHYL-1-PENTENE	.0000
	2-METHYL-2-BUTENE	.0150
	2-METHYL-2-PENTENE	.0010
	2,2-DIMETHYLBUTANE	.0090
	2,2,5-TRIMETHYLHEXANE	.0010
	2,3,4-TRIMETHYLPENTANE	.0010
	2,4-DIMETHYLPENTANE	.0060
	2,4,4-TRIMETHYL-1-PENTENE	.0000
	2,5-DIMETHYLHEXANE	.0030
	3-HEPTENE	.0000
	3-METHYL-1-BUTENE	.0020
	3-METHYLHEPTANE	.0040
	3-METHYLHEXANE	.0100
	3-METHYLPENTANE	.0220
	3,5,5-TRIMETHYLHEXANE	.0040
	4-METHYL-TRANS-2-PENTENE	.0020
		-----
*TOTAL	730	.9720

753 STYRENE

PROFILE NUMBER -----	SPECIES	WEIGHT FRACTION -----
753	STYRENE	1.0000
		-----
*TOTAL	753	1.0000

TABLE II  
VOC SPECIES PROFILE

754 CHLOROSOLVE

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
754	DICHLOROMETHANE (METHYLENE CHL)	.7000
	ETHYL ALCOHOL	.3000
*TOTAL	754	1.0000

755 TRICHLOROTRIFLUOROETHANE

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
755	TRICHLOROTRIFLUOROETHANE-F113	1.0000
*TOTAL	755	1.0000

756 OIL & GAS PRODUCTION FUGITIVES-LIQUID SERVICE

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
756	BENZENE	.0010
	C7 CYCLOPARAFFINS	.0160
	C8 CYCLOPARAFFINS	.0060
	ETHANE	.0640
	ISOBUTANE	.0040
	ISOMERS OF HEPTANE	.1160
	ISOMERS OF HEXANE	.0990
	ISOMERS OF OCTANE	.0870
	ISOMERS OF PENTANE	.0560
	METHANE	.3760
	N-BUTANE	.0740
	PROPANE	.1010
*TOTAL	756	1.0000

$\frac{ROC}{TOC} = \frac{0.56}{1}$

TABLE II  
VOC SPECIES PROFILE

757 OIL & GAS PRODUCTION FUGITIVES-GAS SERVICE

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
757	BENZENE	.0010
	C7 CYCLOPARAFFINS	.0090
	C8 CYCLOPARAFFINS	.0030
	ETHANE	.0790
	ISOBUTANE	.0020
	ISOMERS OF HEPTANE	.0610
	ISOMERS OF HEXANE	.0520
	ISOMERS OF OCTANE	.0460
	ISOMERS OF PENTANE	.0210
	METHANE	.6130
	N-BUTANE	.0430
	PROPANE	.0700
*TOTAL	757	1.0000

$\frac{ROC}{TOC} = \frac{0.300}{1}$

758 OIL & GAS PRODUCTION FUGITIVES-VALVES-UNSPECIFIED

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
758	BENZENE	.0010
	C7 CYCLOPARAFFINS	.0140
	C8 CYCLOPARAFFINS	.0050
	ETHANE	.0690
	ISOBUTANE	.0040
	ISOMERS OF HEPTANE	.0970
	ISOMERS OF HEXANE	.0830
	ISOMERS OF OCTANE	.0720
	ISOMERS OF PENTANE	.0440
	METHANE	.4580
	N-BUTANE	.0630
	PROPANE	.0900
*TOTAL	758	1.0000



TABLE II  
VOC SPECIES PROFILE

760 EVAPORATIVE EMISSIONS-DISTILLATE FUEL

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
-----	-----	-----
760	CYCLOHEXANE	.0100
	ETHANE	.0100
	ISOBUTANE	.0250
	ISOMERS OF HEPTANE	.0200
	ISOMERS OF HEXANE	.0300
	ISOMERS OF NONANE	.0050
	ISOMERS OF OCTANE	.0300
	ISOMERS OF PENTANE	.0500
	METHANE	.0420
	N-BUTANE	.1270
	N-DECANE	.1480
	N-HEPTANE	.0860
	N-HEXANE	.0900
	N-NONANE	.0650
	N-OCTANE	.0990
	N-PENTANE	.1100
	PROPANE	.0530
*TOTAL	760	----- 1.0000

763 PHTHALIC ANHYDRIDE MFG.-XYLENE OXIDATION

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
-----	-----	-----
763	BENZOIC ACID	.1000
	MALEIC ANHYDRIDE	.2000
	O-XYLENE	.1000
	PHTHALIC ANHYDRIDE	.6000
*TOTAL	763	----- 1.0000

764 FLUORCARBON-12/11 MANUFACTURING

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
-----	-----	-----
764	CHLOROTRIFLUOROMETHANE (F-13)	.2400
	DICHLORODIFLUOROMETHANE (F-12)	.7310
	TRICHLOROFUOROMETHANE	.0290
*TOTAL	764	----- 1.0000

TABLE II  
VOC SPECIES PROFILE

765 FLUORCARBON-23/22 MANUFACTURING

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
765	CHLORODIFLUOROMETHANE (F-22)	.1740
	TRIFLUOROMETHANE (F-23)	.8260
*TOTAL	765	1.0000

766 FLUORCARBON-113/114 MANUFACTURING

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
766	CHLOROPENTAFLUOROETHANE-F115	.0240
	DICHLOROTETRAFLUOROETHANE-F114	.5800
	TRICHLOROTRIFLUOROETHANE-F113	.3960
*TOTAL	766	1.0000

767 FLUORCARBON-11

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
767	TRICHLOROFUOROMETHANE	1.0000
*TOTAL	767	1.0000

768 FLUORCARBON-113

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
768	TRICHLOROTRIFLUOROETHANE-F113	1.0000
*TOTAL	768	1.0000

TABLE II  
VOC SPECIES PROFILE

769 FLUORCARBON-114

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
769	DICHLOROTETRAFLUOROETHANE-F114	1.0000
*TOTAL	769	1.0000

770 CHLOROFLUORCARBONS

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
770	CHLOROFLUOROHYDROCARBONS	1.0000
*TOTAL	770	1.0000

771 CARBON TETRACHLORIDE

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
771	CARBON TETRACHLORIDE	1.0000
*TOTAL	771	1.0000

772 ORTHO-XYLENE

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
772	O-XYLENE	1.0000
*TOTAL	772	1.0000

774 ISOBUTYL ACETATE

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
774	ISOBUTYL ACETATE	1.0000
*TOTAL	774	1.0000

TABLE II  
VOC SPECIES PROFILE

775 ISOBUTYL ALCOHOL

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
775	ISOBUTYL ALCOHOL	1.0000
*TOTAL	775	1.0000

776 ISOBUTYL ISOBUTYRATE

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
776	ISOBUTYL ISOBUTYRATE	1.0000
*TOTAL	776	1.0000

777 METHYL AMYL KETONE

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
777	METHYL AMYL KETONE	1.0000
*TOTAL	777	1.0000

778 METHYL ISOBUTYL KETONE

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
778	METHYL ISOBUTYL KETONE	1.0000
*TOTAL	778	1.0000

779 N-BUTYL ACETATE

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
779	N-BUTYL ACETATE	1.0000
*TOTAL	779	1.0000

TABLE II  
VOC SPECIES PROFILE

780 N-PROPYL ACETATE

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
780	PROPYL ACETATE	1.0000
*TOTAL	780	1.0000

781 N-PROPYL ALCOHOL

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
781	N-PROPYL ALCOHOL	1.0000
*TOTAL	781	1.0000

782 HEXYLENE GLYCOL

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
782	HEXYLENE GLYCOL	1.0000
*TOTAL	782	1.0000

TABLE II  
VOC SPECIES PROFILE

783 INDUSTRIAL SURFACE COATING-SOLVENT BASED PAINT

PROFILE NUMBER -----	SPECIES -----	WEIGHT FRACTION -----
783	ACETONE	.0120
	BUTYL CELLOSOLVE	.0640
	CYCLOHEXANE	.0050
	DIMETHYLCYCLOHEXANE	.0400
	DIMETHYLHEPTANE	.0060
	ETHYL ACETATE	.0200
	ETHYLBENZENE	.0050
	ETHYLCYCLOHEXANE	.0140
	ETHYLCYCLOPENTANE	.0020
	HEPTANONE	.0080
	ISOMERS OF ETHYLTOLUENE	.0020
	ISOMERS OF NONANE	.0270
	ISOMERS OF XYLENE	.0370
	METHYL ETHYL KETONE	.0050
	METHYL HEPTENE	.0010
	METHYL ISOBUTYL KETONE	.0030
	METHYLCYCLOHEXANE	.0360
	N-BUTYL ACETATE	.0950
	N-HEPTANE	.0290
	O-XYLENE	.0440
	PROPYL ACETATE	.0120
	TOLUENE	.3780
	TRIMETHYLBENZENE	.0010
	TRIMETHYLCYCLOHEXANE	.0160
	TRIMETHYLCYCLOPENTANE	.0010
	2-METHYL-3-HEXANONE	.0370
	2,4-DIMETHYLHEXANE	.0720
	2,4-DIMETHYLPENTANE	.0170
		-----
*TOTAL	783	.9890

784 SYNTHETIC RUBBER MFG-STYRENE-BUTADIENE RUBBER

PROFILE NUMBER -----	SPECIES -----	WEIGHT FRACTION -----
784	STYRENE	.4000
	1,3-BUTADIENE	.6000
		-----
*TOTAL	784	1.0000

TABLE II  
VOC SPECIES PROFILE

785 ETHYLENE OXIDE

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
785	ETHYLENE OXIDE	1.0000
*TOTAL	785	1.0000

786 METHYL ALCOHOL

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
786	METHYL ALCOHOL	1.0000
*TOTAL	786	1.0000

787 CARBON BLACK MANUFACTURING

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
787	ACETYLENE	.4010
	CARBON DISULFIDE	.2670
	CARBONYL SULFIDE	.0890
	ETHYLENE	.0140
	ISOBUTANE	.0010
	METHANE	.2240
	N-BUTANE	.0020
	PROPANE	.0020
*TOTAL	787	1.0000

788 CARBITOL (DIETHYLENE GLYCOL MONOETHYL ETHER)

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
788	CARBITOL	1.0000
*TOTAL	788	1.0000

TABLE II  
VOC SPECIES PROFILE

789 DIMETHYL FORMAMIDE

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
789	DIMETHYL FORMAMIDE	1.0000
*TOTAL	789	1.0000

790 METHYL ACETATE

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
790	METHYL ACETATE	1.0000
*TOTAL	790	1.0000

791 VARSOL

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
791	C10 OLEFINS	.0020
	ISOMERS OF DECANE	.5290
	NAPHTHALENE	.3740
	TOLUENE	.0950
*TOTAL	791	1.0000

792 TURPENTINE

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
792	A-PINENE	.6600
	A-TERPINEOL	.0200
	B-PINENE	.3000
	TERPINENE	.0200
*TOTAL	792	1.0000



TABLE II  
VOC SPECIES PROFILE

793 CYCLOPENTANE

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
793	CYCLOPENTANE	1.0000
*TOTAL	793	1.0000

794 ISOCTANE

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
794	N-OCTANE	1.0000
*TOTAL	794	1.0000

TABLE II  
VOC SPECIES PROFILE

800 CATALYST LDV EXHAUST - NO ALDEHYDES IN EMISSIONS - ALL YEARS

PROFILE NUMBER -----	SPECIES -----	WEIGHT FRACTION -----
800	ACETALDEHYDE	.0060
	ACETONE	.0051
	ACETYLENE	.0236
	ACROLEIN (ACRYLIC ALDHYDE)	.0017
	BENZALDEHYDE	.0025
	BENZENE	.0168
	BUTENE	.0073
	CIS-2-BUTENE	.0050
	CIS-2-HEXENE	.0004
	CIS-2-PENTENE	.0023
	CROTONALDEHYDE	.0009
	CYCLOHEXANE	.0181
	CYCLOHEXENE	.0031
	CYCLOPENTANE	.0018
	CYCLOPENTENE	.0019
	C10 AROMATICS	.0224
	C10 PARAFFIN	.0022
	DIMETHYLHEXENE	.0014
	ETHANE	.0243
	ETHYLBENZENE	.0067
	ETHYLENE	.0840
	FORMALDEHYDE	.0159
	HEXANALDEHYDE	.0001
	INDAN	.0048
	ISOBUTANE	.0078
	ISOBUTYLBENZENE	.0034
	ISOBUTYLENE	.0073
	ISOPENTANE	.0418
	M-DIETHYLBENZENE	.0060
	M-ETHYLTOLUENE	.0138
	M-XYLENE	.0141
	METHANE	.1769
	METHYLACETYLENE	.0012
	METHYLCYCLOHEXANE	.0054
	METHYLCYCLOPENTANE	.0078
	METHYLCYCLOPENTENE	.0003
	N-BUTANE	.0546
	N-DECANE	.0015
	N-HEPTANE	.0066
	N-HEXANE	.0078
	N-NONANE	.0026
	N-OCTANE	.0037
	N-PENTANE	.0188
	N-PROPYLBENZENE	.0059

TABLE II  
VOC SPECIES PROFILE

800 CATALYST LDV EXHAUST - NO ALDEHYDES IN EMISSIONS - ALL YEARS

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
800	N-UNDECANE	.0072
	O-ETHYLTOLUENE	.0024
	O-XYLENE	.0188
	P-XYLENE	.0141
	PROPADIENE	.0012
	PROPANE	.0229
	PROPRIONALDEHYDE	.0006
	PROPYLENE	.0073
	SEC-BUTYLBENZENE	.0014
	TOLUENE	.0542
	TRANS-2-BUTENE	.0019
	TRANS-2-HEXENE	.0004
	TRANS-2-PENTENE	.0036
	TRANS-3-HEXENE	.0025
	1-HEXENE	.0011
	1-METHYL-3-ISOPROPYLBENZENE	.0044
	1-METHYL-3N-PROPYLBENZENE	.0030
	1-PENTENE	.0026
	1,2-DIETHYLBENZENE	.0063
	1,2,3-TRIMETHYLBENZENE	.0077
	1,2,4-TRIMETHYLBENZENE	.0283
	1,3,5-TRIMETHYLBENZENE	.0219
	2-ETHYL-1-BUTENE	.0011
	2-METHYL-1,3-BUTADIENE	.0021
	2-METHYL-2-BUTENE	.0053
	2-METHYL-2-PENTENE	.0023
	2-METHYLDECANE	.0129
	2-METHYLHEPTANE	.0028
	2-METHYLHEXANE	.0065
	2-METHYLOCTANE	.0002
	2-METHYLPENTANE	.0162
	2,2-DIMETHYLBUTANE	.0037
	2,2-DIMETHYLHEXANE	.0007
	2,2-DIMETHYLPROPANE	.0019
	2,2,4-TRIMETHYLPENTANE	.0247
	2,2,5-TRIMETHYLHEXANE	.0065
	2,3-DIMETHYLBUTANE	.0068
	2,3-DIMETHYLHEPTANE	.0024
	2,3-DIMETHYLHEXANE	.0066
	2,3-DIMETHYLPENTANE	.0065
	2,3,3-TRIMETHYLPENTANE	.0137
	2,3,4-TRIMETHYLPENTANE	.0015
	2,3,5-TRIMETHYLHEXANE	.0014
	2,4-DIMETHYLHEPTANE	.0015

TABLE II  
VOC SPECIES PROFILE

800 CATALYST LDV EXHAUST - NO ALDEHYDES IN EMISSIONS - ALL YEARS

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
-----	-----	-----
800	2,4-DIMETHYLHEXANE	.0040
	2,4-DIMETHYLOCTANE	.0008
	2,4-DIMETHYLPENTANE	.0069
	2,4,5-TRIMETHYLHEPTANE	.0037
	2,5-DIMETHYLHEPTANE	.0012
	2,5-DIMETHYLHEXANE	.0040
	3-METHYL-1-BUTENE	.0023
	3-METHYL-1-PENTENE	.0008
	3-METHYLHEPTANE	.0047
	3-METHYLHEXANE	.0117
	3-METHYLPENTANE	.0116
	3,4-DIMETHYLOCTANE	.0107
	3,5-DIMETHYLHEPTANE	.0012
	4-METHYL-1-PENTENE	.0008
	4-METHYLHEPTANE	.0067
		-----
*TOTAL	800	1.0579

TABLE II  
VOC SPECIES PROFILE

801 CATALYST LDV EXHAUST - ALDEHYDES IN EMISSIONS - ALL YEARS

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
801	ACETALDEHYDE	.0059
	ACETONE	.0049
	ACETYLENE	.0229
	ACROLEIN (ACRYLIC ALDHYDE)	.0016
	BENZALDEHYDE	.0024
	BENZENE	.0164
	BUTENE	.0071
	CIS-2-BUTENE	.0049
	CIS-2-HEXENE	.0004
	CIS-2-PENTENE	.0022
	CROTONALDEHYDE	.0009
	CYCLOHEXANE	.0176
	CYCLOHEXENE	.0030
	CYCLOPENTANE	.0017
	CYCLOPENTENE	.0019
	C10 AROMATICS	.0218
	C10 PARAFFIN	.0022
	DIMETHYLHEXENE	.0013
	ETHANE	.0237
	ETHYLBENZENE	.0065
	ETHYLENE	.0816
	FORMALDEHYDE	.0154
	HEXANALDEHYDE	.0001
	INDAN	.0046
	ISOBUTANE	.0076
	ISOBUTYLBENZENE	.0033
	ISOBUTYLENE	.0071
	ISOPENTANE	.0406
	M-DIETHYLBENZENE	.0058
	M-ETHYLTOLUENE	.0134
	M-XYLENE	.0137
	METHANE	.1720
	METHYLACETYLENE	.0012
	METHYLCYCLOHEXANE	.0053
	METHYLCYCLOPENTANE	.0076
	METHYLCYCLOPENTENE	.0003
	N-BUTANE	.0531
	N-DECANE	.0014
	N-HEPTANE	.0064
	N-HEXANE	.0076
	N-NONANE	.0026
	N-OCTANE	.0036
	N-PENTANE	.0182
	N-PROPYLBENZENE	.0057

TABLE II  
VOC SPECIES PROFILE

801 CATALYST LDV EXHAUST - ALDEHYDES IN EMISSIONS - ALL YEARS

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
801	N-UNDECANE	.0070
	O-ETHYLTOLUENE	.0023
	O-XYLENE	.0183
	P-XYLENE	.0137
	PROPADIENE	.0012
	PROPANE	.0223
	PROPRIONALDEHYDE	.0006
	PROPYLENE	.0071
	SEC-BUTYLBENZENE	.0014
	TOLUENE	.0526
	TRANS-2-BUTENE	.0018
	TRANS-2-HEXENE	.0004
	TRANS-2-PENTENE	.0035
	TRANS-3-HEXENE	.0024
	1-HEXENE	.0011
	1-METHYL-3-ISOPROPYLBENZENE	.0043
	1-METHYL-3N-PROPYLBENZENE	.0029
	1-PENTENE	.0025
	1,2-DIETHYLBENZENE	.0061
	1,2,3-TRIMETHYLBENZENE	.0075
	1,2,4-TRIMETHYLBENZENE	.0275
	1,3,5-TRIMETHYLBENZENE	.0213
	2-ETHYL-1-BUTENE	.0011
	2-METHYL-1,3-BUTADIENE	.0021
	2-METHYL-2-BUTENE	.0052
	2-METHYL-2-PENTENE	.0022
	2-METHYLDECANE	.0125
	2-METHYLHEPTANE	.0027
	2-METHYLHEXANE	.0063
	2-METHYLOCTANE	.0002
	2-METHYLPENTANE	.0158
	2,2-DIMETHYLBUTANE	.0036
	2,2-DIMETHYLHEXANE	.0007
	2,2-DIMETHYLPROPANE	.0019
	2,2,4-TRIMETHYLPENTANE	.0240
	2,2,5-TRIMETHYLHEXANE	.0063
	2,3-DIMETHYLBUTANE	.0066
	2,3-DIMETHYLHEPTANE	.0024
	2,3-DIMETHYLHEXANE	.0064
	2,3-DIMETHYLPENTANE	.0063
	2,3,3-TRIMETHYLPENTANE	.0133
	2,3,4-TRIMETHYLPENTANE	.0014
	2,3,5-TRIMETHYLHEXANE	.0013
	2,4-DIMETHYLHEPTANE	.0014

TABLE II  
VOC SPECIES PROFILE

801 CATALYST LDV EXHAUST - ALDEHYDES IN EMISSIONS - ALL YEARS

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
-----	-----	-----
801	2,4-DIMETHYLHEXANE	.0039
	2,4-DIMETHYLOCTANE	.0008
	2,4-DIMETHYLPENTANE	.0067
	2,4,5-TRIMETHYLHEPTANE	.0036
	2,5-DIMETHYLHEPTANE	.0011
	2,5-DIMETHYLHEXANE	.0039
	3-METHYL-1-BUTENE	.0022
	3-METHYL-1-PENTENE	.0008
	3-METHYLHEPTANE	.0045
	3-METHYLHEXANE	.0114
	3-METHYLPENTANE	.0113
	3,4-DIMETHYLOCTANE	.0104
	3,5-DIMETHYLHEPTANE	.0011
	4-METHYL-1-PENTENE	.0008
	4-METHYLHEPTANE	.0065
*TOTAL	801	----- 1.0282

TABLE II  
VOC SPECIES PROFILE

802 COMPOSITE MINERAL SPIRIT (NAPHTHA AND LACTOL)

PROFILE NUMBER	SPECIES	WEIGHT FRACTION
-----	-----	-----
802	A-PINENE	.0010
	BENZOTHAZOLE	.0005
	BUTYLCYCLOHEXANE	.0168
	CHLOROBENZENE (MONOCHLOROBENZE	.0026
	C10 OLEFINS	.0215
	C10 PARAFFIN	.0074
	C11 OLEFINS	.0098
	C12 OLEFINS	.0012
	C4 ALKYLPHENOLS	.0038
	C5 ALKYL BENZENES	.0010
	C5 ALKYLPHENOLS	.0017
	C9 OLEFINS	.0002
	DECALIN	.0060
	DIETHYLCYCLOHEXANE	.0045
	DIETHYLMETHYLCYCLOHEXANE	.0055
	DIMETHYLBENZYLALCOHOL	.0015
	DIMETHYLBUTYLCYCLOHEXANE	.0005
	DIMETHYLCYCLOHEXANE	.0047
	DIMETHYLDECANE	.0029
	DIMETHYLETHYLCYCLOHEXANE	.0095
	DIMETHYLHEPTANE	.0055
	DIMETHYLNONANE	.0248
	DIMETHYLOCTYNE	.0010
	DIMETHYLPENTENE	.0043
	DIMETHYLUNDECANE	.0024
	ETHYLBENZENE	.0035
	ETHYLCYCLOHEXANE	.0059
	ETHYLHEXANE	.0034
	ETHYLMETHYLCYCLOHEXANE	.0427
	ETHYLMETHYLHEXANE	.0010
	ETHYLOCTANE	.0021
	ETHYLPROPYLCYCLOHEXANE	.0050
	INDENE	.0034
	ISOMERS OF BUTYLBENZENE	.0374
	ISOMERS OF DECANE	.1128
	ISOMERS OF DECYNE	.0007
	ISOMERS OF DODECANE	.0112
	ISOMERS OF TRIDECANE	.0005
	ISOMERS OF UNDECANE	.0792
	ISOMERS OF UNDECYNE	.0032
	ISOPROPYLMETHYLCYCLOHEXANE	.0043
	M-XYLENE	.0226
	METHYLCYCLOHEXANE	.0002
	METHYLDECALINS	.0055



TABLE II  
VOC SPECIES PROFILE

802 COMPOSITE MINERAL SPIRIT (NAPHTHA AND LACTOL)

PROFILE NUMBER -----	SPECIES -----	WEIGHT FRACTION -----
802	METHYLDECENE	.0067
	METHYLNONANE	.0417
	METHYLPROPYLCYCLOHEXANE	.0599
	METHYLUNDECANE	.0091
	N-NONANE	.0696
	NAPHTHALENE	.0035
	NONADIENE	.0017
	O-ETHYLTOLUENE	.0038
	O-XYLENE	.0156
	OCTAHYDROINDENES	.0017
	OCTAHYDROPENTALENE	.0010
	OCTANOL	.0010
	PENTYLINDENECYCLOHEXANE	.0017
	PROPENYLCYCLOHEXANE	.0077
	PROPYL HEPTENE	.0055
	PROPYLBENZENE	.0098
	PROPYLCYCLOHEXANE	.0211
	TERT-BUTYLBENZENE	.0031
	TETRAMETHYLCYCLOPENTANE	.0055
	TETRAMETHYLPENTANONE	.0064
	TETRAMETHYLTHIOUREA	.0005
	TOLUENE	.0050
	TRIMETHYLBENZENE	.0223
	TRIMETHYLCYCLOHEXANE	.0201
	TRIMETHYLCYCLOHEXANOL	.0017
	TRIMETHYLCYCLOPENTANONE	.0015
	TRIMETHYLDECANE	.0002
	TRIMETHYLHEXENE	.0035
	TRIMETHYLOCTANE	.0035
	2-METHYLDECANE	.0419
	2-METHYLOCTANE	.0149
	2-METHYLPENTANE	.0002
	2,4-DIMETHYLOCTANE	.0649
	2,4,5-TRIMETHYLHEPTANE	.0589
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*TOTAL	802	1.0004

