

## **Updated Temporal Profiles for Consumer Products**

**(May 2021)**

### **Background**

This document describes the rationale, data sources and methodology used to assign updated temporal profiles to 174 Consumer Product the Emission Inventory Categories (EICs) and 15 Aerosol Coatings EICs used by the California Air Resources Board (CARB). Recent Consumer Product inventories used by CARB for SIP modeling did not contain any diurnal profiles for any of the Consumer Product and Aerosol Coatings EICs. This document provides updated temporal profiles for those categories.

### **Description of the Data and Methodology Used for the Updated Temporal Profiles**

The update of Consumer Products temporal profiles described in this document used data from the following two sources:

- *Identifying Volatile Chemical Product Tracer Compounds in U.S. Cities Environmental Science and Technology, 2021, 55, 188-199*
- The Emission Inventory Speciation Profiles for Consumer Products updated by CARB in 2020.

### **Tracer Temporal Profiles for Consumer Products**

*Identifying Volatile Chemical Product Tracer Compounds in U.S. Cities* by Georgios Gkatzelis *et al.* represents the most recent and comprehensive research publication on tracer temporal profiles for Consumer Products and other Volatile Chemical Products (VCP). The six tracer temporal profiles developed from real-time measurements, and the main inventory sources associated with them are:

1. Decamethylcyclopentasiloxane (D5-siloxane) for Personal Care Products
2. Monoterpenes for Fragranced Products
3. p-dichlorobenzene for Insecticides and Cleaning
4. Octamethylcyclotetrasiloxane (D4-siloxane) for Adhesives and Insecticides
5. Para-chlorobenzotrifluoride (PCBTF) for Solvent-based Coatings and Cleaning
6. Texanol for Water-based Coatings and Adhesives

The six tracer temporal profiles developed by Gkatzelis *et al.* are based on extensive mobile laboratory samples collected throughout New York City, along with eastern New Jersey, Long Island, and the outer forested regions, as well as from multiple cities with varying population densities including Pittsburgh, Pennsylvania, Chicago, Illinois, and Denver, Colorado.

Gkatzelis *et al.* also demonstrated that the enhancement ratio of each tracer relative to benzene, a known traffic tracer compound, correlates well with population density. This

dependence of the six tracers on population density comports with the CARB emission inventory spatial apportionment of consumer product emissions based on population.

A good tracer is a volatile organic compound (VOC) that is emitted predominantly by one specific emission source, such as D5-siloxane for Personal Care Products. The criteria used to identify tracers for source categories by Gkatzelis *et al.*, included:

1. Ability to be detected using current instrumentation with high sensitivity and without interferences.
2. Emitted in large enough quantities to remain detectable after atmospheric transport.
3. Long-lived so that chemical transformation does not significantly influence the concentration.
4. Emitted predominantly by one source category.

### **Updated Speciation Profiles for Consumer Products**

An updated emission inventory and speciation profiles for Consumer Products were generated from a three-year (2013 to 2015) survey of Consumer Products conducted by CARB.

The organic gas speciation profiles for consumer products based on the CARB 2013-2015 survey data are available for download at:  
<https://ww2.arb.ca.gov/speciation-profiles-used-carb-modeling>

The documentation for the Organic Gas Speciation Profiles for Consumer Products (2020 Update) can be found at:  
[OG Profiles for Consumer Products \(2020 Update\) \(ca.gov\)](#)

### **Assignment of Temporal Profiles to EICs**

The assignment of a tracer to a specific EIC was also informed by these recently updated CARB Consumer Product speciation profiles at a more granular EIC level than the profiles relied upon by Gatzelis *et al.* for tracer assignments.

The tracer temporal profiles assignments to the 174 Consumer Product EICs were also informed by these updated speciation profiles at the EIC level than the broader, sector-based tracer assignments made by Gatzelis *et al.* Specifically, each of the speciation profiles for these 174 CP EICs was checked to determine if any of the six Sector tracers identified by Gkatzelis *et al.* was present. If a tracer was found in an EIC speciation profile that was more prominent than the tracer assigned by Gkatzelis *et al.* for that Consumer Product Sector, then the tracer assignment for the EIC was based on the more granular information indicated by the EIC speciation profile.

## Summary of Tracer Temporal Profile Assignments to Consumer Product EICs

A normalized diurnal profile was generated for each of the 6 tracers using the median hourly emission rates shown by Gkatzelis *et al.* A Normalized Diurnal Profile was generated so the average of the hourly emission rates is 1. The normalized hourly emissions rates are therefore scaling factors, with an average of 1, that can be applied to the daily emission rate of an Emission Inventory Category (EIC). Figure 1 shows the normalized tracer diurnal profiles generated from the median hourly emission rates by Gkatzelis *et al.*

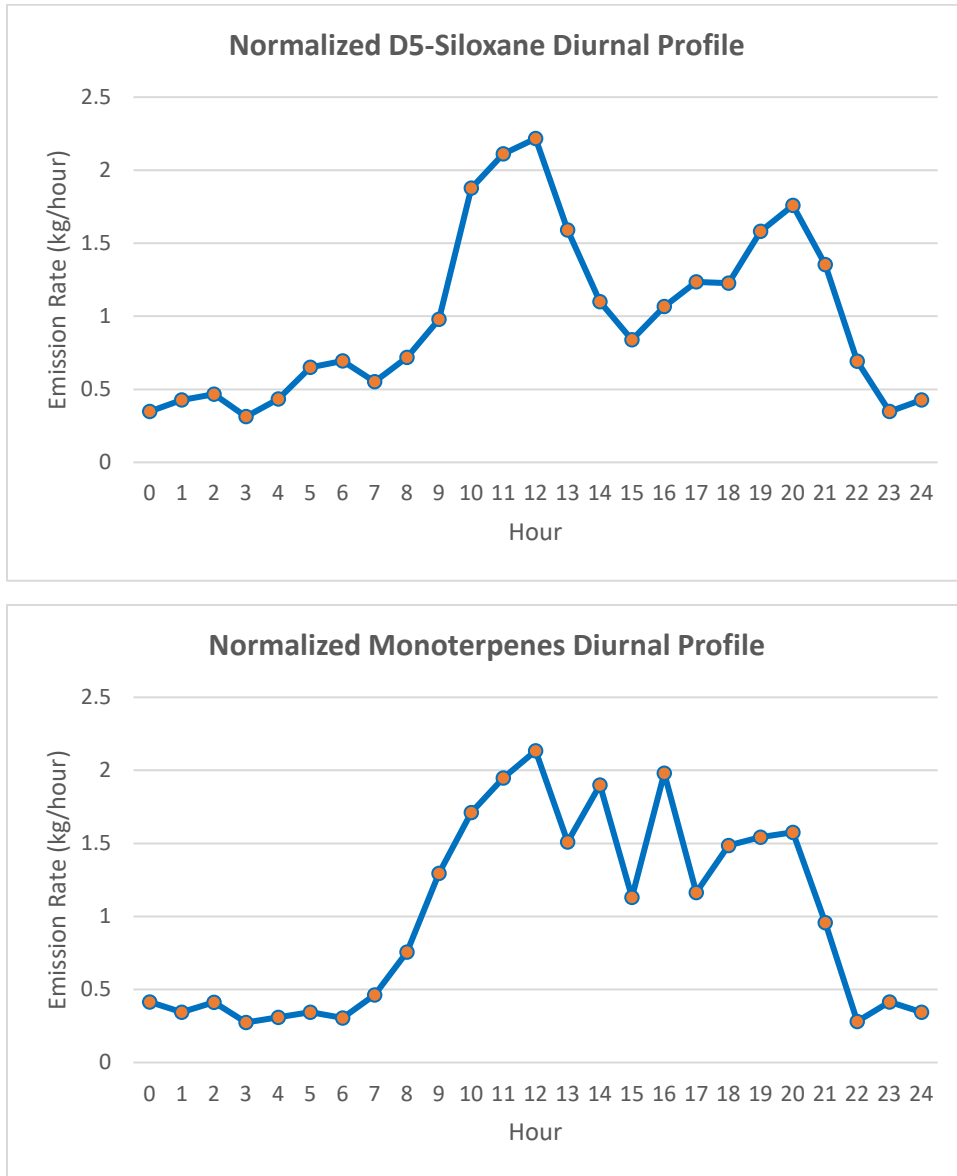
Diurnal Profile Assignments to each Consumer Products EIC were made using the findings of the work by Gkatzelis *et al.* and selective updates with more granular speciation data at the EIC level by CARB in 2020. Texanol is a tracer associated with water-based coatings. The Texanol temporal profile was not utilized (i.e. not assigned to any Consumer Products and Aerosol Coatings EIC) because the Aerosol Coatings profiles are predominantly solvent-based.

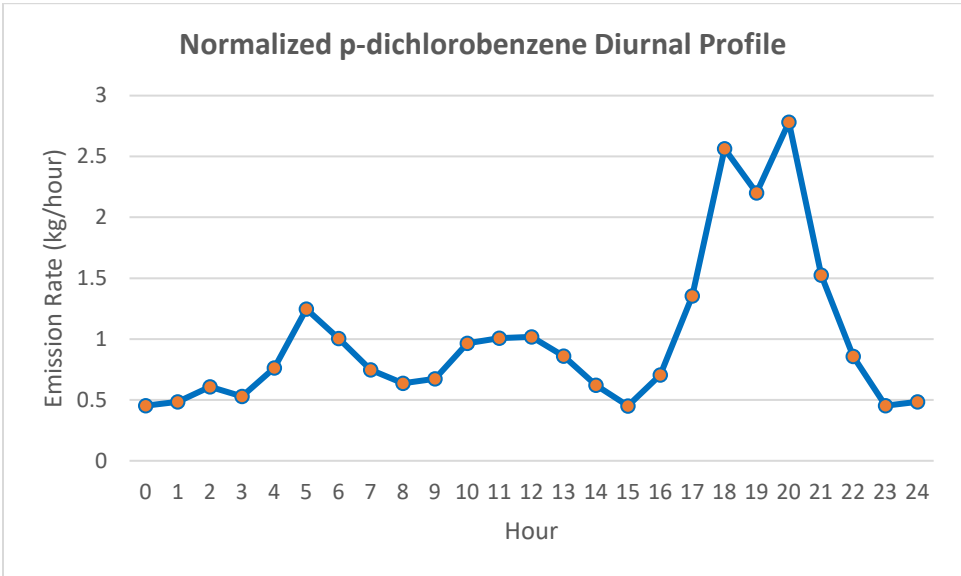
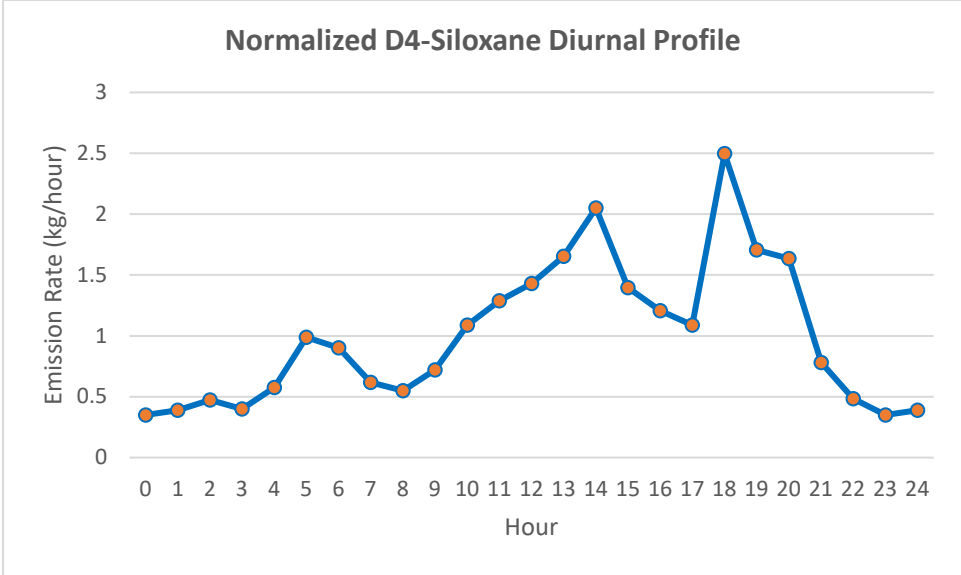
Gatzelis *et al.* measured the emissions of the six tracers and showed that they peak in daytime when human activity is the highest and do not change significantly with season. Therefore, the six tracers identified by Gkatzelis *et al.* were used for constraining only the diurnal profiles of these source profiles related to Consumer Product EIC emissions. Table 1 shows the Tracer Diurnal Profile Assignments for Consumer Product and Aerosol Coatings EICs.

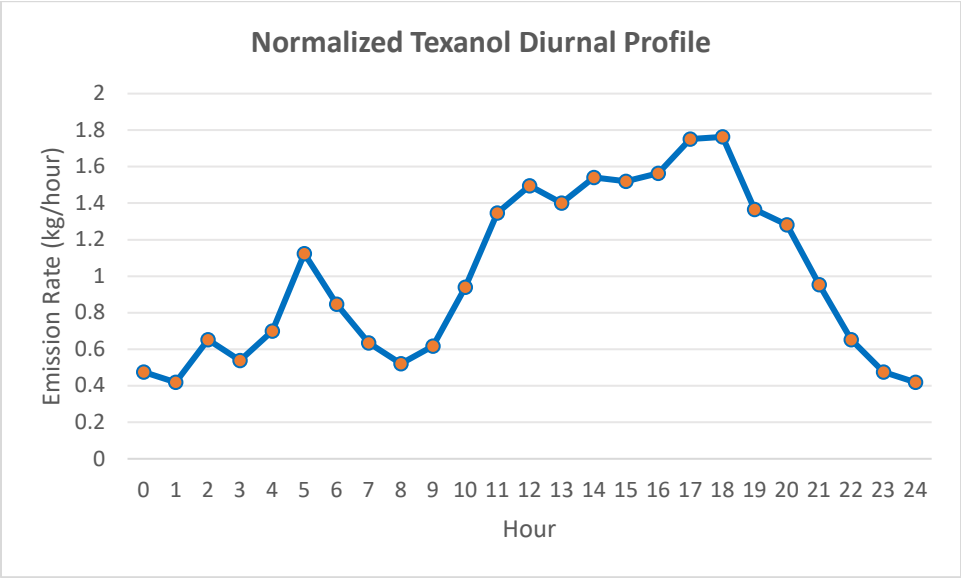
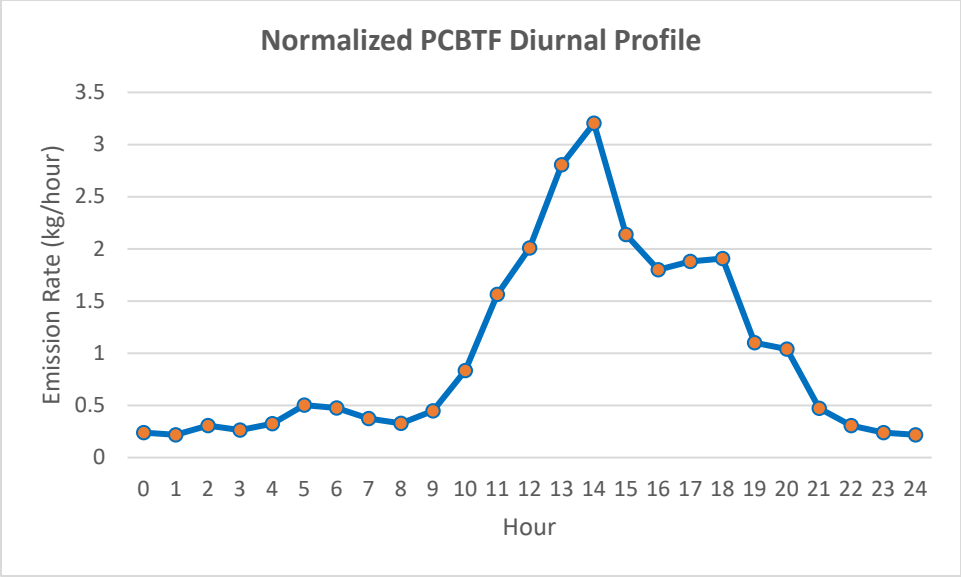
## References

1. Identifying Volatile Chemical Product Tracer Compounds in U.S. Cities  
Environmental Science and Technology, 2021, 55, 188-199  
<https://pubs.acs.org/doi/10.1021/acs.est.0c05467>
2. The organic gas speciation profiles for consumer products based on the CARB 2013-2015 survey:  
<https://ww2.arb.ca.gov/speciation-profiles-used-carb-modeling>
3. Organic Gas Speciation Profiles for Consumer Products (2020 Update)  
[OG Profiles for Consumer Products \(2020 Update\) \(ca.gov\)](#)

Figure 1. Normalized tracer diurnal profiles generated from the median hourly emission rates by Gkatzelis *et al.*







<b>EIC</b>	<b>EICMAT</b>	<b>Tracer Diurnal Profile Assignment</b>
510-500-9000-0000	9000-COATINGS (UNSPECIFIED)	PCBTF
510-500-9020-0000	9020-PRIMERS (UNSPECIFIED)	PCBTF
510-500-9021-0000	9021-AUTO BODY PRIMERS	PCBTF
510-500-9051-0000	9051-CLEAR COATINGS (UNSPECIFIED)	PCBTF
510-500-9059-0000	9059-FLAT COATINGS (UNSPECIFIED)	PCBTF
510-500-9060-0000	9060-NONFLAT COATINGS (UNSPECIFIED)	PCBTF
510-500-9071-0000	9071-HIGH TEMPERATURE COATINGS	PCBTF
510-500-9073-0000	9073-METALLIC PIGMENTED COATINGS	PCBTF
510-500-9077-0000	9077-GROUND/TRAFFIC/MARKING COATINGS	PCBTF
510-500-9080-0000	9080-FLUORESCENT COATINGS	PCBTF
510-500-9081-0000	9081-ART FIXATIVES AND SEALANTS	PCBTF
510-500-9082-0000	9082-AUTO BUMPER AND TRIM COATINGS	PCBTF
510-500-9083-0000	9083-EXACT MATCH ENGINE ENAMEL	PCBTF
510-500-9084-0000	9084-EXACT MATCH AUTOMOTIVE COATINGS	PCBTF
510-500-9085-0000	9085-VINYL/FABRIC/LEATHER/POLYCARB COATINGS	PCBTF
510-506-6505-0000	6505-CONSTRUCTION AND PANEL ADHESIVES	D-4 Siloxane
510-506-6507-0000	6507-GENERAL PURPOSE ADHESIVE	D-4 Siloxane
510-506-6508-0000	6508-AEROSOL ADHESIVE (INCLUDING INDUSTRIAL)	D-4 Siloxane
510-506-6509-0000	6509-PIPE CEMENTS AND PRIMERS	D-4 Siloxane
510-506-6512-0000	6512-CONTACT ADHESIVE - GENERAL PURPOSE	D-4 Siloxane
510-506-6513-0000	6513-CONTACT ADHESIVE - SPECIAL PURPOSE	D-4 Siloxane
510-506-6514-0000	6514-OTHER ADHESIVES	D-4 Siloxane
510-506-6515-0000	6515-ADESIVE REMOVERS - FLOOR AND WALL COVERING	D-4 Siloxane
510-506-6516-0000	6516-ADHESIVE REMOVERS - GASKET OR THREAD LOCKING	D-4 Siloxane
510-506-6517-0000	6517-ADHESIVE REMOVERS - GENERAL PURPOSE	D-4 Siloxane
510-506-6518-0000	6518-ADHESIVE REMOVERS - SPECIALTY	D-4 Siloxane
510-506-6519-0000	6519-OTHER SEALANTS AND CHULKS	D-4 Siloxane
510-506-6520-0000	6520-SEALANTS & CAULKING COMPOUNDS	D-4 Siloxane
510-506-6522-0000	6522-INSULATING AND SEALING FOAM	D-4 Siloxane
510-506-6530-0000	6530-BUG AND TAR REMOVERS	Monoterpenes
510-506-6533-0000	6533-AUTOMOTIVE HARD PASTE WAXES	Monoterpenes
510-506-6534-0000	6534-AUTOMOTIVE INSTANT DETAILERS	Monoterpenes
510-506-6535-0000	6535-AUTOMOTIVE WAXES/POLISHES/SEALANTS/GLAZES	Monoterpenes
510-506-6536-0000	6536-RUBBER AND VINYL PROTECTANTS - AEROSOLS	Monoterpenes

510-506-6537-0000	6537-RUBBER AND VINYL PROTECTANTS - NON-AEROSOLS	Monoterpenes
510-506-6538-0000	6538-AUTOMOTIVE RUBBING OR POLISHING COMPOUNDS	Monoterpenes
510-506-6539-0000	6539-TIRE AND WHEEL CLEANERS	Monoterpenes
510-506-6551-0000	6551-AUTOMOTIVE BRAKE CLEANERS	Monoterpenes
510-506-6552-0000	6552-CARBURETOR OR FUEL-INJECTION AIR INTAKE CLEANERS	Monoterpenes
510-506-6553-0000	6553-ENGINE DEGREASERS - AEROSOLS	Monoterpenes
510-506-6554-0000	6554-ENGINE DEGREASERS - NON-AEROSOLS	Monoterpenes
510-506-6557-0000	6557-TIRE SEALANTS AND INFLATORS	Monoterpenes
510-506-6558-0000	6558-AUTOMOTIVE UNDERCOATINGS - AEROSOLS	PCBTF
510-506-6559-0000	6559-AUTOMOTIVE UNDERCOATINGS - NON-AEROSOLS	PCBTF
510-506-6560-0000	6560-AUTOMOTIVE WINDSHIELD WASHER FLUIDS - NON TYPE A	Monoterpenes
510-506-6562-0000	6562-AUTOMOTIVE WINDSHIELD WASHER FLUID -TYPE A AREAS	Monoterpenes
510-506-6564-0000	6564-MOTOR VEHICLE WASH	Monoterpenes
510-506-6565-0000	6565-WINDSHIELD WASHER REPELLENT	Monoterpenes
510-506-6571-0000	6571-PAINT REMOVERS OR STRIPPERS	Monoterpenes
510-506-6572-0000	6572-GRAFFITI REMOVER - AEROSOL	PCBTF
510-506-6573-0000	6573-GRAFFITI REMOVER - NON-AEROSOL	PCBTF
510-506-6580-0000	6580-MULTI-PURPOSE SOLVENTS AND PAINT THINNERS	PCBTF
510-506-6583-0000	6583-ELECTRICAL CLEANER	PCBTF
510-506-6584-0000	6584-ELECTRONIC CLEANER	PCBTF
510-506-6585-0000	6585-ENERGIZED ELECTRICAL CLEANER	Monoterpenes
510-506-6588-0000	6588-ODOR REMOVER/ELIMINATOR	Monoterpenes
510-506-6590-0000	6590-DISINFECTANTS	Monoterpenes
510-506-6591-0000	6591-SANITIZERS	Monoterpenes
510-506-6600-0000	6600-NON-SELECTIVE HERBICIDES/DEFOLIANTS	D-4 Siloxane
510-506-6610-0000	6610-FLEA AND TICK INSECTICIDE	D-4 Siloxane
510-506-6611-0000	6611-FLYING INSECT INSECTICIDE - AEROSOLS	D-4 Siloxane
510-506-6612-0000	6612-FLYING INSECT INSECTICIDE - NON-AEROSOLS	D-4 Siloxane
510-506-6613-0000	6613-WASP AND HORNET INSECTICIDE	D-4 Siloxane
510-506-6614-0000	6614-LAWN AND GARDEN INSECTICIDES	D-4 Siloxane
510-506-6615-0000	6615-CRAWLING BUG INSECTICIDES - AEROSOLS	D-4 Siloxane



510-506-6616-0000	6616-CRAWLING BUG INSECTICIDES - NON-AEROSOLS	D-4 Siloxane
510-506-6617-0000	6617-INSECTICIDE FOGGERS	D-4 Siloxane
510-506-6625-0000	6625-INSECT REPELLANTS - AEROSOLS	D-4 Siloxane
510-506-6626-0000	6626-INSECT REPELLANTS - NON-AEROSOLS	D-4 Siloxane
510-506-6628-0000	6628-OTHER INSECTICIDES AND REPELLENTS	D-4 Siloxane
510-506-6630-0000	6630-FABRIC SOFTENER DRYER SHEET	Monoterpenes
510-506-6631-0000	6631-FABRIC SOFTENER	Monoterpenes
510-506-6633-0000	6633-FABRIC REFRESHER - AEROSOL	Monoterpenes
510-506-6634-0000	6634-FABRIC REFRESHER - NON-AEROSOL	Monoterpenes
510-506-6635-0000	6635-CARPET AND UPHOLSTERY CLEANERS - AEROSOLS	Monoterpenes
510-506-6636-0000	6636-CARPET AND UPHOLSTERY CLEANERS - NON-AEROSOLS	Monoterpenes
510-506-6638-0000	6638-SPOT REMOVERS - AEROSOLS	Monoterpenes
510-506-6639-0000	6639-SPOT REMOVERS - NON-AEROSOLS	Monoterpenes
510-506-6640-0000	6640-FABRIC PROTECTANTS - AEROSOL	Monoterpenes
510-506-6642-0000	6642-FABRIC PROTECTANT - NON-AEROSOL	Monoterpenes
510-506-6644-0000	6644-MOTHBALLS	PDCB
510-506-6645-0000	6645-FLOOR MAINTENANCE PRODUCT	Monoterpenes
510-506-6650-0000	6650-FLOOR WAX STRIPPERS	Monoterpenes
510-506-6651-0000	6651-GENERAL PURPOSE CLEANERS - AEROSOLS	Monoterpenes
510-506-6652-0000	6652-GENERAL PURPOSE CLEANERS - NON-AEROSOLS	Monoterpenes
510-506-6653-0000	6653-GENERAL PURPOSE DEGREASERS - AEROSOLS	Monoterpenes
510-506-6654-0000	6654-GENERAL PURPOSE DEGREASERS - NON-AEROSOLS	Monoterpenes
510-506-6655-0000	6655-GLASS CLEANERS - AEROSOLS	Monoterpenes
510-506-6656-0000	6656-GLASS CLEANERS - NON-AEROSOLS	Monoterpenes
510-506-6657-0000	6657-METAL POLISHES/CLEANSERS	Monoterpenes
510-506-6658-0000	6658-OVEN CLEANERS - AEROSOLS	Monoterpenes
510-506-6659-0000	6659-OVEN CLEANERS - NON-AEROSOLS	Monoterpenes
510-506-6661-0000	6661-BATHROOM AND TILE CLEANERS - AEROSOLS	Monoterpenes
510-506-6662-0000	6662-BATHROOM AND TILE CLEANERS - NON-AEROSOLS	Monoterpenes
510-506-6663-0000	6663-TOILET/URINAL CARE PRODUCT (PARA-ONLY)	Monoterpenes
510-506-6664-0000	6664-TOILET/URINAL CARE PRODUCT (NON-PARA)	Monoterpenes

510-506-6668-0000	6668-OTHER LAUNDRY PRODUCTS	Monoterpenes
510-506-6670-0000	6670-LAUNDRY PREWASH	Monoterpenes
510-506-6672-0000	6672-LAUNDRY STARCHES_SIZINGS_ETC	Monoterpenes
510-506-6673-0000	6673-ANTI-STATIC PRODUCT - AEROSOL	Monoterpenes
510-506-6674-0000	6674-ANTI-STATIC PRODUCT - NON-AEROSOL	Monoterpenes
510-506-6680-0000	6680-DUSTING AIDS - AEROSOLS	Monoterpenes
510-506-6681-0000	6681-DUSTING AIDS - NON-AEROSOLS	Monoterpenes
510-506-6682-0000	6682-FLOOR POLISH OR WAX	Monoterpenes
510-506-6684-0000	6684-WOOD FLOOR WAX/POLISH	Monoterpenes
510-506-6685-0000	6685-FURNITURE MAINTENANCE PRODUCTS - AEROSOLS	Monoterpenes
510-506-6686-0000	6686-FURNITURE MAINTENANCE PRODUCTS - OTHER FORMS	Monoterpenes
510-506-6688-0000	6688-FOOTWEAR OR LEATHER CARE PRODUCT - AEROSOL	Monoterpenes
510-506-6689-0000	6689-FOOTWEAR OR LEATHER CARE PRODUCT - SOLID	Monoterpenes
510-506-6690-0000	6690-FOOTWEAR OR LEATHER CARE PRODUCT - ALL OTHER FORMS	Monoterpenes
510-506-6691-0000	6691-WOOD CLEANER - AEROSOL	Monoterpenes
510-506-6692-0000	6692-WOOD CLEANER - NON-AEROSOL	Monoterpenes
510-506-6700-0000	6700-MULTI-PURPOSE LUBRICANT	Monoterpenes
510-506-6701-0000	6701-SILICONE BASED MULTI-PURPOSE LUBRICANT	Monoterpenes
510-506-6702-0000	6702-PENETRANT	Monoterpenes
510-506-6703-0000	6703-SPECIALTY LUBRICANT	Monoterpenes
510-506-6710-0000	6710-SINGLE PHASE AEROSOL AIR FRESHENERS	Monoterpenes
510-506-6711-0000	6711-DOUBLE PHASE AEROSOL AIR FRESHENERS	Monoterpenes
510-506-6713-0000	6713-LIQUID/PUMP SPRAY AIR FRESHENERS	Monoterpenes
510-506-6714-0000	6714-SOLID/GEL AIR FRESHENERS	Monoterpenes
510-506-6720-0000	6720-CHARCOAL LIGHTER MATERIALS	D-4 Siloxane
510-506-6721-0000	6721-AEROSOL COOKING SPRAYS	Monoterpenes
510-506-6730-0000	6730-UNDERARM ANTIPERSPIRANTS	D-5 Siloxane
510-506-6732-0000	6732-UNDERARM DEODORANTS	D-5 Siloxane
510-506-6735-0000	6735-DEODORANT BODY SPRAY	D-5 Siloxane
510-506-6740-0000	6740-ASTRINGENTS/TONERS	D-5 Siloxane
510-506-6741-0000	6741-HAND AND BODY LOTIONS	D-5 Siloxane

510-506-6742-0000	6742-SUN SCREEN/TANNING PRODUCTS	D-5 Siloxane
510-506-6750-0000	6750-PERSONAL FRAGRANCE PRODUCT (FRAGRANCE <= 20%)	D-5 Siloxane
510-506-6751-0000	6751-PERSONAL FRAGRANCE PRODUCT (FRAGRANCE > 20%)	D-5 Siloxane
510-506-6756-0000	6756-TEMP HAIR COLOR	D-5 Siloxane
510-506-6757-0000	6757-HAIR CARE PRODUCT - CONDITIONER	D-5 Siloxane
510-506-6758-0000	6758-HAIR CARE PRODUCT - SHAMPOO	D-5 Siloxane
510-506-6759-0000	6759-OTHER HAIR CARE PRODUCTS	D-5 Siloxane
510-506-6760-0000	6760-HAIR SPRAY	D-5 Siloxane
510-506-6765-0000	6765-HAIR MOUSSES	D-5 Siloxane
510-506-6766-0000	6766-HAIR SHINES	D-5 Siloxane
510-506-6768-0000	6768-HAIR STYLING PRODUCT - AEROSOL/PUMP SPRAY	D-5 Siloxane
510-506-6769-0000	6769-HAIR STYLING PRODUCT - ALL OTHER FORMS	D-5 Siloxane
510-506-6770-0000	6770-NAIL COATINGS	D-5 Siloxane
510-506-6772-0000	6772-NAIL POLISH REMOVERS	D-5 Siloxane
510-506-6780-0000	6780-RUBBING ALCOHOL	D-5 Siloxane
510-506-6781-0000	6781-SHAVING CREAMS	D-5 Siloxane
510-506-6782-0000	6782-SHAVING GELS	D-5 Siloxane
510-506-6785-0000	6785-PERSONAL HYGIENE PRODUCTS	D-5 Siloxane
510-506-6787-0000	6787-PERSONAL CARE WIPES	D-5 Siloxane
510-506-6790-0000	6790-LAUNDRY DETERGENT	Monoterpenes
510-506-6791-0000	6791-HAND DISHWASHING SOAP	Monoterpenes
510-506-6792-0000	6792-HEAVY DUTY HAND CLEANER OR SOAP	Monoterpenes
510-506-6793-0000	6793-HAND SANITIZER	Monoterpenes
510-506-6795-0000	6795-BRUSH CLEANER	PCBTF
510-506-6796-0000	6796-PRESSURIZED GAS DUSTER	D-5 Siloxane
510-506-6797-0000	6797-WITCH HAZEL	D-5 Siloxane
510-506-6902-0000	6902-OTHER CLEANERS/DEGREASERS/SOLVENTS	Monoterpenes
510-506-6903-0000	6903-OTHER AUTO/VEH/MARINE CARE PRODUCTS	Monoterpenes
510-506-6904-0000	6904-OTHER FUELS	Monoterpenes
510-506-6905-0000	6905-OTHER MISC. HOUSEHOLD PRODUCTS	Monoterpenes
510-506-6906-0000	6906-OTHER PERSONAL CARE PRODUCTS	D-5 Siloxane

510-506-6907-0000	6907-MISCL. OFFICE AND ART SUPPLIES	Monoterpenes
510-506-6908-0000	6908-LAWN AND GARDEN PRODUCTS	D-4 Siloxane
510-506-6909-0000	6909-OTHER AIR FRESHENERS	Monoterpenes
510-506-6789-0000	6789-VARIOUS DISHWASHING PRODUCTS	Monoterpenes
510-506-6922-0000	6922-VARIOUS OFFICE SUPPLY PRODUCTS	Monoterpenes
510-506-6923-0000	6923-ELECTRONICS FREEZE MIST SPRAY	PCBTF
510-506-6924-0000	6924-VARIOUS PET CARE PRODUCTS	Monoterpenes
510-506-6928-0000	6928-PRESHAVE PRODUCTS	D-5 Siloxane
510-506-6523-0000	6523-ENGINE STARTING FLUID	D-5 Siloxane
510-506-6578-0000	6578-OTHER ARTS AND CRAFTS SUPPLIES	Monoterpenes
510-506-6597-0000	6597-VARIOUS GARDEN AND LAWN CARE PRODUCTS	Monoterpenes
510-506-6599-0000	6599-OTHER ANTIMICROBIAL AGENTS	Monoterpenes
510-506-6647-0000	6647-DRAIN OPENER	Monoterpenes
510-506-6669-0000	6669-WASHING SODA	PCBTF
510-506-6698-0000	6698-BASEBOARD STRIPPER	Monoterpenes
510-506-6715-0000	6715-VARIOUS SCENTED PRODUCTS	Monoterpenes
510-506-6718-0000	6718-OTHER ODOR REMOVER/ELIMINATOR PRODUCTS	Monoterpenes
510-506-6728-0000	6728-BATH OILS/BEADS/CAPSULES	D-5 Siloxane
510-506-6734-0000	6734-VARIOUS EYEGLASS AND CONTACT LENS CARE PRODUCTS	D-5 Siloxane
510-506-6738-0000	6738-BODY OR BABY POWDER	D-5 Siloxane
510-506-6744-0000	6744-EXTERNAL ANALGESIC PRODUCT	D-5 Siloxane
510-506-6745-0000	6745-VARIOUS EXTERNAL HEALTH USE PRODUCTS (INCLUDING OTHER EXTERNAL-USE-ONLY OTC DRUGS)	D-5 Siloxane
510-506-6753-0000	6753-THERMAL PROTECTANT	D-5 Siloxane
510-506-6775-0000	6775-VARIOUS NAIL CARE PRODUCTS	D-5 Siloxane
510-506-6777-0000	6777-SOAP IMPREGNATED SCOURING PAD	Monoterpenes
510-506-6930-0000	6930-VARIOUS MAKE-UP COSMETICS	D-5 Siloxane
510-506-6944-0000	6944-MOUTHWASH/RINSE	D-5 Siloxane
510-506-6948-0000	6948-VARIOUS ORAL CARE PRODUCTS	D-5 Siloxane
510-506-6950-0000	6950-NO RINSE SHAMPOO	D-5 Siloxane
510-506-6955-0000	6955-SEPTIC TANK CLEANER	Monoterpenes

510-506-6958-0000	6958-VARIOUS POOL/SPA/WHIRLPOOL/JACUZZI MAINTENANCE PRODUCTS	Monoterpenes
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Table 1. Tracer Diurnal Profile Assignments for Consumer Product and Aerosol Coatings Emission Inventory Categories