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1 PREMESSA

Nel territorio comunale di Genova sono presenti livelli elevati di inquinamento atmosferico con particolare riguardo alle polveri fini con la frequente rilevazione di elevate concentrazioni di PM10 superiori al valore limite giornaliero, indicato dal decreto n°60 del 2 aprile 2003¹, pari a 50 µg/m³.

L'ambiente urbano, l'area portuale e la particolare conformazione orografica, rendono la città di Genova soggetta a particolari pressioni in termini di sorgenti emissive proprio all'interno della zona storica della città.

Per approfondire la conoscenza sull'argomento, in particolare dell'ipotizzata associazione dell'elevata polverosità ambientale alla presenza della centrale Enel di Genova, Enel ha commissionato al Centro Elettrotecnico Sperimentale Italiano Giacinto Motta Spa (CESI) uno studio di approfondimento.

Lo studio ha comportato l'esecuzione di rilievi sperimentali per approfondire le conoscenze sulla natura della polverosità, così da individuare le cause dei frequenti rialzi di PM10 nel territorio, e l'origine della formazione di PM2.5 e VOC.

In questa relazione si presentano tali risultati ottenuti con l'applicazione modello di recettore CMB-8.

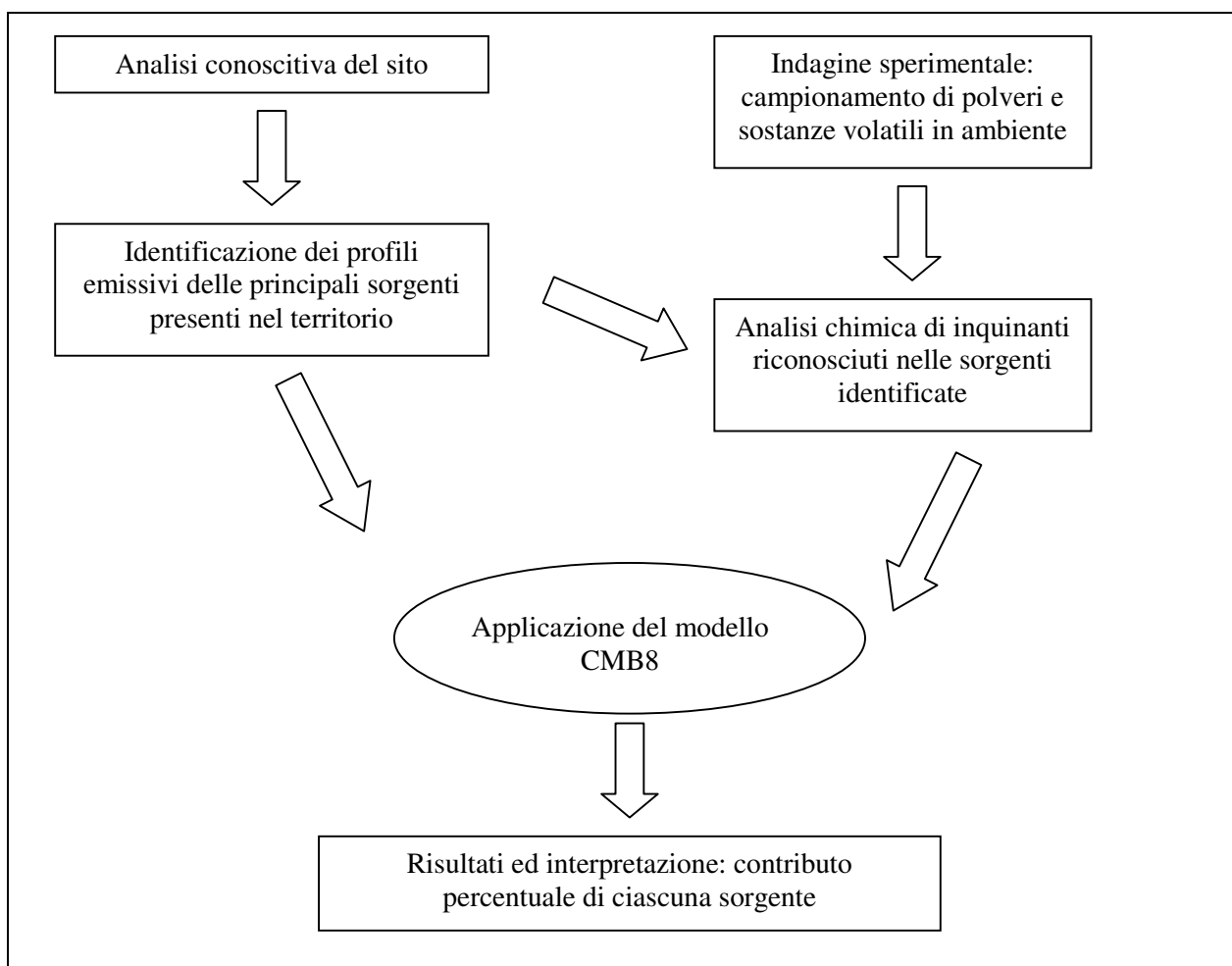
¹ Il decreto indica il limite di 50 µg/m³ come la concentrazione media giornaliera superabile per non più di 35 giorni all'anno.

2 IL MODELLO CMB8

L'obiettivo dell'applicazione del modello di recettore CMB-8 (Chemical Mass Balance, versione 8.0, sviluppato dal Desert Research Institute, University of Nevada System) consiste nell'identificare il contributo all'inquinamento aerodisperso nelle specifiche matrici ambientali, delle diverse sorgenti emissive presenti nel sito oggetto di studio; esso è indicato da US- Environmental Protection Agency come modello di riferimento per tali valutazioni.

In particolare l'attribuzione del contributo di ciascuna sorgente avviene attraverso il raffronto tra i profili di inquinanti presenti nelle emissioni aerodisperse e il livello dei medesimi inquinanti misurati in ambiente.

In sintesi la metodologia applicata è riportata nel seguente prospetto.



Il modello CMB8 consente il calcolo del bilancio di massa di tutte le specie chimiche in termini di concentrazione delle varie sorgenti considerate, e di quelle misurate in ambiente presso postazioni diverse situate nel sito recettore. Esso è basato su di un sistema di equazioni del tipo:

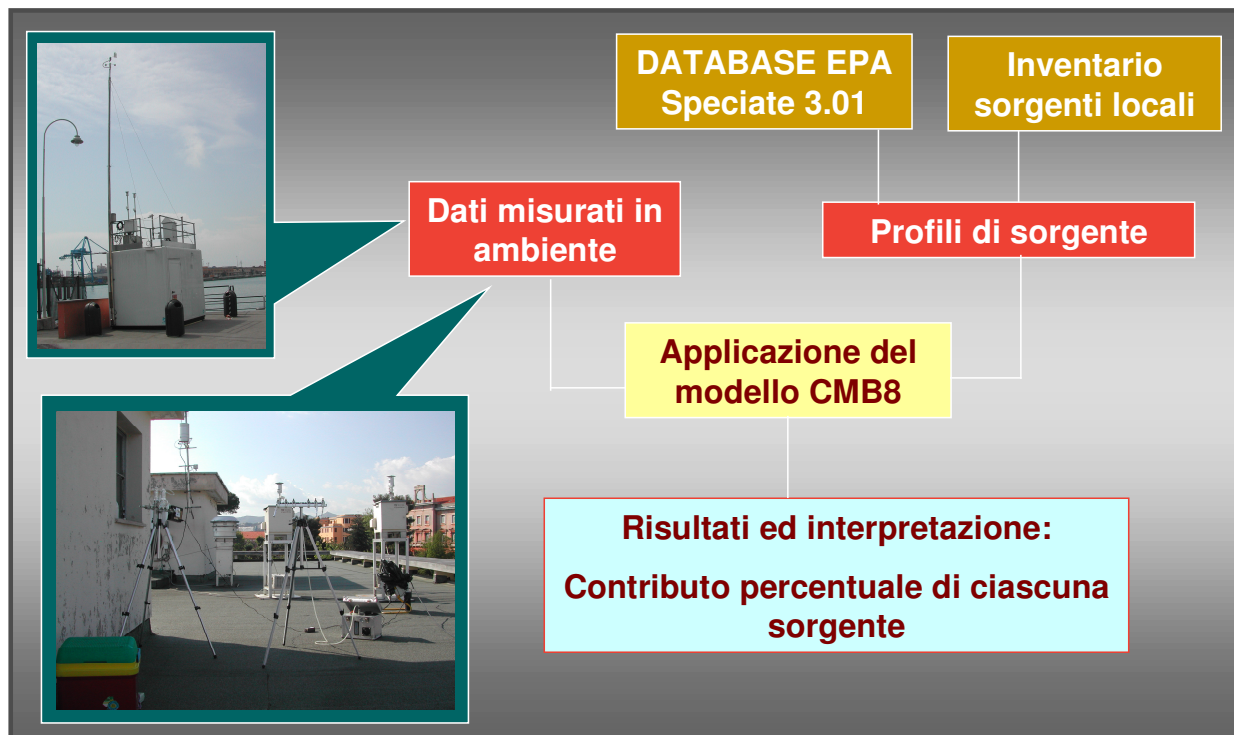
$$C_i = \sum_{j=1}^M a_{ij} S_j$$

per $i = 1 \dots N$, $j = 1 \dots M$.

dove: M = numero delle sorgenti considerate;
 N = numero delle specie chimiche misurate nei campioni prelevati nel sito recettore;
 C_i = concentrazione della i -esima specie chimica misurata nel sito considerato;
 a_{ij} = concentrazione della specie i -esima nella emissione della sorgente j -esima;
 S_j = contributo della sorgente j -esima nel sito considerato.

Le concentrazioni delle specie chimiche misurate e le frazioni di contribuzione di ciascun specifico profilo considerato, costituiscono rispettivamente i termini noti e le variabili indipendenti del sistema lineare su cui si basa il modello, mentre le frazioni di inquinanti, che caratterizzano i profili conosciuti di sorgente, sono i coefficienti delle equazioni lineari.

In diversi casi, per ciascun macrosettore responsabile delle emissioni inquinanti e riconoscibile nel territorio, non è presente un'unica tipologia di sorgente emissiva; per tenere conto di tale diversificazione di sorgenti, il modello CMB8 è stato pertanto applicato prendendo in considerazione tutti i profili emissivi ritenuti rappresentativi.



3 APPLICAZIONE DEL MODELLO CMB-8 AL SITO DI GENOVA: PROGETTO SPERIMENTALE

L'applicazione del modello a recettore CMB8, presentata in questo rapporto, relativa al sito di Genova ha richiesto l'analisi chimica dei campioni di polveri nelle due frazioni granulometriche (PM10, PM2.5) e di sostanze volatili aerodisperse (VOC), campionati sperimentalmente presso i seguenti recettori, considerati significativi:

- Via Molteni;
- Porto Antico;
- Rocca dei Corvi;
- Quarto;
- Amicizia Lagaccio.

Le sorgenti emissive utilizzate nell'applicazione modellistica provengono dalle seguenti fonti:

- database Speciate 3.1;
- profili sperimentali di emissione della centrale Enel di Genova;
- profili sperimentali CESI, relativi a caldaie domestiche e residenziali;
- profili sperimentali Eni Tecnologie, resi disponibili dalla regione Emilia Romagna, relativi al trasporto su gomma;
- profili costruiti sulla base del bilancio di massa delle specie note e costituenti il profilo stesso.

3.1 Macrosettori merceologici caratteristici del sito di Genova

Data la complessità delle sorgenti emissive ipotizzabili presso il sito di Genova, centro caratterizzato da significative attività industriali/portuali, e sito localizzato fra il mare e zona collinare, i settori identificati come responsabili di emissioni inquinanti, sono composti sia da sorgenti di natura antropogenica (trasporto su gomma, trasporto navale, settore energia, settore industria, rifiuti), sia di natura biogenica (aerosol marino trasportato sul continente, erosione suoli con successivo risollevarimento terrigeno e combustione biomassa).

Complessivamente i settori identificati presso il sito di Genova sono stati così denominati:

- energia
- trasporto su gomma
- trasporto navale
- impianti termici
- residenziale
- combustione legno
- combustione vegetazione
- crostale/terrigeno
- aerosol marino
- industria
- edile
- metallurgico
- trattamento rifiuti
- secondario organico
- secondario nitrati
- secondario solfati

Come risulta dal lungo elenco l'analisi dei macrosettori è stata svolta con il maggior dettaglio possibile in quanto si è ritenuto utile, ove fosse possibile, specificare al meglio la natura dei profili utilizzati. In particolare si evidenzia che i settori impianti termici e residenziale rappresentano il "riscaldamento fossile", il settore combustione legno e combustione vegetazione complessivamente rappresentano la "combustione di biomassa", l'industria, l'edile e il metallurgico sono riconducibili al macrosettore "produzione", e il secondario organico, secondario nitrati, secondario solfati sarebbero usualmente raggruppati nel macrosettore "particolato secondario".

Il modello richiede in input profili di emissione associati ai settori individuati che rappresentino il più possibile la realtà territoriale locale, e quindi risultino aderenti alle sorgenti reali che contribuiscono maggiormente all'inquinamento atmosferico.

US-EPA indica come riferimento, per l'applicazione del modello CMB-8, il database Speciate 3.1. Tale database, qualora possibile, viene integrato con dati più affini alla realtà locale. Nel presente caso si sono utilizzati i profili Enel, relativi alle emissioni della centrale Enel di Genova, i profili CESI, per rappresentare gli impianti termici ed il residenziale, i profili di Enitecnologie, per arricchire il database Speciate, rispetto al trasporto su gomma, e sono stati opportunamente costruiti i profili rappresentativi del particolato secondario, sulla base della stechiometria dei composti che lo costituiscono (nitrato di ammonio, solfato di ammonio ed il carbonio organico).

Secondo la modalità con cui s'intende applicare il modello (PM e/o VOC), si ottiene la distribuzione dei contributi per due diverse matrici ambientali. La specifica correlazione fra famiglia di composti chimici e la matrice di appartenenza è intrinseca della natura chimico-fisica delle specifiche sorgenti emissive. Nella tabella seguente si riporta la tipologia di sorgente per la quale ogni settore individuato nel sito di Genova apporta contributi all'inquinamento aerodisperso (rispettivamente per la matrice particolato e/o per la matrice organica gassosa).

SETTORE	TIPOLOGIE DI PROFILI	PM	VOC
Trasporto su gomma	Traffico pesante	X	X
	Traffico leggero		
	Polveri stradali, usura pneumatici, emissioni da pastiglie freni a disco		
trasporto navale	Olii residui, combustione esterna di olii pesanti, combustione olii (equiparabile a centrali termoelettriche)	X	X
impianti termici	Impianti termici, caldaie a vapore alimentate con combustibili diversi	X	X
residenziale	Impianti di riscaldamento residenziale	X	X
combustione legno	Combustione legname in genere, anche ad uso domestico	X	X
combustione vegetazione	Combustione vegetazione, debbiatura	X	X
crostale/terrigeno	Erosione crostale, trasporto polveri terrigene	X	X
aerosol marino	Aerosol marino	X	
industria	Petrolchimica. Fabbricazione di materie plastiche in forme primarie, fabbricazione di articoli in materie plastiche. Produzione solventi e vernici		X
edile	Produzione di cemento	X	
metallurgico	Industria siderurgica. Fabbricazione di strutture metalliche, trattamento e rivestimento di metalli, fabbricazione di autoveicoli, riparazioni di carrozzerie di autoveicoli	X	X
trattamento rifiuti	Raccolta e smaltimento rifiuti solidi	X	X

SETTORE	TIPOLOGIE DI PROFILI	PM	VOC
secondario organico	Formazione di particolato secondario costituito da carbonio organico	X	
secondario nitrati	Formazione di particolato secondario costituito da nitrato di ammonio	X	
secondario solfati	Formazione di particolato secondario costituito da solfato di ammonio	X	
energia	Centrale termoelettrica alimentata a carbone	X	X

3.2 Indagine sperimentale

L'attività sperimentale ha previsto il campionamento di polveri PM10, PM2.5 e di VOC presso cinque recettori: postazione "Via Molteni" caratterizzata da elevato traffico veicolare, postazione "Porto Antico" in prossimità del porto di Genova, e quindi caratterizzata da intenso traffico portuale e attività collegate, postazione "Rocca dei Corvi" maggiormente periferica e situata in zona collinare, postazione "Quarto" caratterizzata da traffico veicolare ed attività produttive, e la postazione "Amicizia Lagaccio", che risente maggiormente delle ricadute da parte della centrale Enel, per posizione geografica e anemologia.

La raccolta dei campioni giornalieri, è stata effettuata nelle cinque postazioni nel periodo 10/05/2006÷29/07/2006, e complessivamente sono stati elaborati, utilizzando il modello a recettore CMB, 112 campioni.

Il modello è stato applicato complessivamente a dieci giornate, ciascuna rappresentativa di una specifica condizione di esercizio della centrale ed ambientale; in particolare sono state indagate le seguenti due condizioni limite rispetto alla potenziale incidenza della centrale sul territorio:

- alto livello di polverosità ambientale ed elevate potenze di esercizio della centrale
- basso livello di polverosità ambientale e contenute potenze di esercizio della centrale

Ciascuna situazione è stata indagata in corrispondenza di differenti condizioni anemologiche (sottovento e sopravento alla centrale). Poiché è frequente il caso di elevata polverosità ambientale pur in condizione di scarsa incidenza della centrale sulla città di Genova (condizione associata alla situazione di sopravento e di basso carico dell'impianto), il piano sperimentale ha previsto un approfondimento modellistico anche in questa situazione.

Nel seguente prospetto si riporta la matrice sperimentale con l'indicazione delle giornate identificate per l'applicazione del modello:

Alto carico (*)		Basso carico	
Alto livello di polverosità (**)	Basso livello di polverosità	Alto livello di polverosità	Basso livello di polverosità
25/5 26/5 26/7	5/7 6/7 19/7 20/7	20/6 21/6	11/5

(*): si è considerato "alto carico" potenze di esercizio della centrale Enel superiori a 150 MW.

(**): si è considerato "alto livello" di polverosità se, in almeno una delle cinque postazioni, la concentrazione media giornaliera dei PM10 fosse risultata superiore a 40 µg/m³.

Infine nella seguente tabella si riassumono, per ogni giornata campionata ed elaborata dal modello, la direzione del vento e le conseguenti postazioni sottovento alla centrale Enel.

Giornata	Provenienza vento	Ricadute centrale	Tipo tempo	Giorno settimanale
11/5	NE - SW	Amicizia Lagaccio – Via Molteni	5	Giovedì
25/5	SE – S - SW	Quarto – Porto Antico	7	Giovedì
26/5	N – S - SW	Quarto – Porto Antico	7	Venerdì
20/6	N – S - SW	Amicizia Lagaccio – Via Molteni	5	Martedì
21/6	N - SW	Amicizia Lagaccio – Via Molteni	2.1	Mercoledì
5/7	N - SW	Amicizia Lagaccio – Via Molteni	5	Mercoledì
6/7	S – SE - E	Rocca dei Corvi – Via Molteni	2.1	Giovedì
19/7	Misto (N – S)	Quarto – Porto Antico	5	Mercoledì
20/7	NE – NW - S	Porto Antico – Amicizia lagaccio	5	Giovedì
26/7	Misto (N – NW- SE – SW)	Porto Antico – Amicizia lagaccio	5	Mercoledì

3.3 Dati chimici ambientali

Le specie chimiche determinate sui campioni di polveri PM10, PM2.5 e VOC che presentano valori al di sopra del limite di rilevabilità almeno in un campione, e risultano presenti nei profili di emissione utilizzati sono riportate nella tabella seguente.

PM10, PM2.5			VOC
METALLI	SPECIE CARBONIOSE	SPECIE IONICHE	
Argento	Carbonio organico	Solfati	Benzene
Alluminio	Carbonio elementare	Nitrati	Ac. Acetico
Boro	Carbonio totale	Cloruri	Formaldeide
Bromo		Ammonio	Acetaldeide
Calcio			Acroleina
Cadmio			Butirraldeide
Cobalto			Acetone
Cromo (III)			Benzaldeide
Rame			Trans - Dicloroetilene
Ferro			Toluene
Potassio			Etilbenzene
Magnesio			o-Xilene
Manganese			m-Xilene più p-Xilene
Molibdeno			Stirene
Sodio			o-Diclorobenzene
Nichel			p-Diclorobenzene
Piombo			Paraffine (16-34)
Palladio			d-Limonene
Antimonio			Nonano
Stagno			Isopropilbenzene
Stronzio			1,2,4,Trimetilbenzene
Tellurio			1,2,3 Trimetilbenzene
Titanio			1,3,5,Trimetilbenzene
Vanadio			naftaline
Zinco			Fenantrene
Zirconio			Antracene
			Fluorantene
			Pirene
			Esano

PM10, PM2.5			VOC
METALLI	SPECIE CARBONIOSE	SPECIE IONICHE	
			Eptano
			Un decano
			Dodecano
			Tetracloruro di Carbonio
			Isovaleraldeide
			O_Tolualdeide
			alpha-Mircene
			alpha-Pinene

Nelle tabelle seguenti sono mostrati in dettaglio per ogni matrice ambientale i campioni che sono stati complessivamente elaborati con il modello a recettore. Si raggiungono 112 elaborazioni su 112 campioni giornalieri.

PM10: campioni giornalieri elaborati con il modello CMB-8.

Giornate	11.05	25.05	26.05	20.06	21.06	05.07	06.07	19.07	20.07	26.07
Via Molteni	X	X	X	X	X		X			
Porto Antico	X	X	X	X	X					
Rocca dei Corvi	X	X	X	X	X	X	X	X	X	X
Quarto	X	X	X	X	X	X	X			
Amicizia Lagaccio				X	X	X	X	X	X	X

PM2.5: campioni giornalieri elaborati con il modello CMB-8.

Giornate	11.05	25.05	26.05	20.06	21.06	05.07	06.07	19.07	20.07	26.07
Via Molteni	X	X	X	X	X	X	X	X	X	X
Porto Antico	X	X	X	X	X					
Rocca dei Corvi		X	X	X	X	X	X	X	X	X
Quarto	X	X	X	X	X			X	X	X
Amicizia Lagaccio				X	X	X	X	X	X	X

VOC: campioni giornalieri elaborati con il modello CMB-8.

Giornate	11.05	25.05	26.05	20.06	21.06	05.07	06.07	19.07	20.07	26.07
Via Molteni	X	X	X	X	X	X	X	X	X	X
Porto Antico	X	X	X							
Rocca dei Corvi	X	X	X	X	X	X	X	X	X	X
Quarto	X	X	X	X	X		X	X	X	X
Amicizia Lagaccio				X	X	X	X	X	X	

Per ognuna delle elaborazioni effettuate, sono state selezionate le specie chimiche in grado di fornire il risultato migliore. Nelle tabelle dell'APPENDICE 3: SPECIE UTILIZZATE PER OGNI ELABORAZIONE sono riportate, con l'indicazione "*", le specie che hanno realizzato la migliore elaborazione.

3.4 Profili di emissione

I profili di emissione sono estratti dal database Speciate 3.1 in via preliminare e sono integrati con quanto disponibile sul territorio.

Nel seguito si elencano in dettaglio i profili di emissione complessivamente utilizzati durante l'esecuzione delle elaborazioni modellistiche, distinti per tipologia di dato ambientale.

L'elenco di tutti i profili caricati per l'elaborazione e utilizzati nelle prove preliminari è riportato, per ogni matrice ambientale, in APPENDICE 1: CODIFICA DEI PROFILI UTILIZZATI NELLE ELABORAZIONI, dove sono riportati in rosso quelli effettivamente utilizzati.

Il dettaglio di ogni singolo profilo in termini di specie chimica è riportato invece nell'APPENDICE 2: STRUTTURA DI OGNI SINGOLO PROFILO UTILIZZATO NELLE ELABORAZIONI.

3.4.1 PM10

I profili di emissione utilizzati per le elaborazioni dei dati ambientali espressi in PM10, provengono da diverse fonti, schematicamente riassunte nella seguente tabella.

Settore	Fonte	Note
trasporto su gomma trasporto aereo impianti termici residenziale combustione legno combustione vegetazione crostale/terrigeno aerosol marino industria edile metallurgico trattamento rifiuti	Database Speciate 3.1	profili tal quali
trasporto navale	Database Speciate 3.1	Sono utilizzati i profili di emissione di olii residui, combustione esterna di olii pesanti, combustione olii (equiparabile a centrali termoelettriche), come da norma "ISO 8217 Fuel Standard, third edition 2005")
secondario organico secondario nitrati secondario solfati	Cesi	Sono costruiti sulla base del bilancio di massa delle specie note, e costituenti il profilo stesso rispettivamente: <ul style="list-style-type: none"> ◆ carbonio organico (pari al 100%); ◆ $\text{NH}_4^+ / \text{NO}_3^-$ (nelle proporzioni 0,26 e 0,74); ◆ $(\text{NH}_4)^{3+} / \text{SO}_4^-$ (nelle proporzioni 0,41 e 0,59);
energia	Enel Spa	Profili sperimentali di emissione della centrale Enel di Genova;

L'associazione tra i macrosettori e i profili di emissione come ottenuta nell'applicazione del modello è riassunta nella tabella seguente.

Macrosettore	Cod. Speciate	Cod. interno	Descrizione
Trasporto su gomma	32205	TRGLDS	Diesel vehicles - Las Vegas Valley -1987
	32203	TRGHDS	Heavy duty vehicles - diesel
	41220	TRGPLV	Unpaved road dust - composite
	33010	TRGLDS	Gasoline vehicles - Las Vegas Valley -1987

Macrosettore	Cod. Speciate	Cod. interno	Descrizione
Trasporto navale	13502	TRNHYOIL	External combustion - heavy oil-fired boiler composite
	11506	TRNPOW	Oil-fired power plant
	11508	TRNPOW	Oil-fired power plant
Combustione legno	42307	CLBURN	Slash burning (hardwood-flaming phase)
	42308	CLBURN	Slash burning (hardwood-smoldering phase)
	42317	CLCOMB	Wood combustion - Las Vegas Valley -1987
Combustione vegetazione	42304	CVAGRI	Agricultural field burning
	42320	CVBURN	Field burning - composite
	42324	CVBURN	Field burning - fescue
	42323	CVBURN	Field burning - perenial rye grass
Crostante /Terrigeno	22202	CTSDUS	Sawdust
	43307	CTCRUS	Sediment, crustal
	43305	CTCRUS	Shale, crustal
	41401	CTMIX	Road sand and salt mixture
Aerosol marino	43101	AEMARI	Marine aerosol
Secondario	1	SNH4NO	Nitrato di ammonio secondario
	2	SNH4SO	Solfato di ammonio secondario
	3	SCORGA	Carbonio organico secondario
Trattamento rifiuti	17122	RIFANG	Sewage sludge incineration
	17120	RIFANG	Sewage sludge incineration - composite
Energia	POW01	ENCAM2	Centrale ENEL, camino 2
	POW02	ENCAM2	Centrale ENEL, camino 2
	POW03	ENGRP6	Centrale ENEL, gruppo 6
	POW04	ENGRP6	Centrale ENEL, gruppo 6
	POW05	ENGRP6	Centrale ENEL, gruppo 6

3.4.2 PM2.5

I profili di emissione utilizzati per le elaborazioni dei dati ambientali espressi in PM10, provengono da diverse fonti, schematicamente riassunte nella seguente tabella.

Settore	Fonte	Note
trasporto su gomma trasporto aereo residenziale combustione legno combustione vegetazione crostante/terrigeno aerosol marino industria edile metallurgico trattamento rifiuti	Database Speciate 3.1	profili tal quali

trasporto navale	Database Speciate 3.1	Sono utilizzati i profili di emissione di olii residui, combustione esterna di olii pesanti, combustione olii (equiparabile a centrali termoelettriche), come da norma "ISO 8217 Fuel Standard, third edition 2005")
Impianti termici	Speciate 3.1 Cesi	Integrazione con profili sperimentali di emissione da caldaie domestiche eseguiti da Cesi
secondario organico secondario nitrati secondario solfati	Cesi	Sono costruiti sulla base del bilancio di massa delle specie note, e costituenti il profilo stesso rispettivamente: <ul style="list-style-type: none"> ◆ carbonio organico (pari al 100%); ◆ $\text{NH}_4^+ / \text{NO}_3^-$ (nelle proporzioni 0,26 e 0,74); ◆ $(\text{NH}_4)^{3+} / \text{SO}_4^-$ (nelle proporzioni 0,41 e 0,59);
energia	Enel Spa	Profili sperimentali di emissione della centrale Enel di Genova;

L'associazione tra i macrosettori e i profili di emissione come ottenuta nell'applicazione del modello è riassunta nella tabella seguente.

Macrosettore	Cod. Speciate	Cod. interno	Descrizione
Trasporto su gomma	31107	TRGLHBF	Light duty vehicle - with catalyst
	31108	TRGLBZF	Light duty vehicles - composite
	32203	TRGHDSF	Heavy duty vehicles - diesel
	32206	TRGHDSF	Heavy duty vehicles - diesel composite
	32208	TRGHDSF	Heavy duty diesel trucks
	34007	TRGFREF	Organometallic brake dust
	41107	TRGPLVF	Paved road dust - Portland, or
	41141	TRGPLVF	Paved road dust - Pocatello, Idaho
	32104	TRGLDSF	Light duty vehicles - diesel composite
	34006	TRGFREF	Semimetal disk brake pads
	34008	TRGPNEF	Tire wear
Trasporto navale	13501	TRNREOIL	Residual oil combustion
	12710	TRNDUFUE	Boiler - #2 fuel oil fired
	13502	TRNHYOIL	External combustion - heavy oil-fired boiler composite
	11506	TRNPOW	Oil-fired power plant
	11508	TRNPOW	Oil-fired power plant
	11509	TRNPOW	Oil-fired power plant
Combustione legno	42106	CLRESDF	Residential woodstove - Portland / Seattle
Combustione vegetazione	42304	CVFLDBF	Agricultural field burning
	42320	CVFLDBF	Field burning - composite
Crostale /Terrigeno	43305	CTSHCRF	Shale, crustal
	43304	CTCRUSF	Limestone, crustal
	42104	CTPOLVF	Residential woodstove - Medford, Oregon
	43306	CTCRUSF	Sandstone, crustal
	43307	CTCRUSF	Sediment, crustal
Aerosol marino	43101	AEMARIF	Marine aerosol
Secondario	1	SNH4NOF	Nitrato di ammonio secondario

Macrosettore	Cod. Speciate	Cod. interno	Descrizione
	2	SNH4SOF	Solfato di ammonio secondario
	3	SCORGAF	Carbonio organico secondario
	17120	RIINCIF	Sewage sludge incineration - composite
Trattamento rifiuti	15101	RIBOILF	Solid waste-fired boiler
	90001	RISLDWF	Solid waste - average
	POW01	ENCAM2F	Centrale Enel, camino 2
Energia	POW02	ENCAM2F	Centrale Enel, camino 2
	POW03	ENGRP6F	Centrale Enel, gruppo 6
	POW04	ENGRP6F	Centrale Enel, gruppo 6
	POW05	ENCAM2F	Centrale Enel, camino 6

3.4.3 VOC

I profili di emissione utilizzati per le elaborazioni dei dati ambientali espressi in VOC, provengono da diverse fonti, schematicamente riassunte nella seguente tabella.

Settore	Fonte	Note
trasporto su gomma trasporto aereo	Speciate 3.1 Eni Tecnologie	Integrazione con profili sperimentali, resi disponibili dalla regione Emilia Romagna, relativi al trasporto su gomma.
residenziale combustione legno crostale/terrigeno industria metallurgico trattamento rifiuti energia	Speciate 3.1	Profili tal quali
trasporto navale	Speciate 3.1	Sono utilizzati i profili di emissione di olii residui, combustione esterna di olii pesanti, combustione olii (equiparabile a centrali termoelettriche), come da norma "ISO 8217 Fuel Standard, third edition 2005")
Impianti termici residenziale	Speciate 3.1 Cesi	Integrazione con profili sperimentali di emissione da caldaie domestiche eseguiti da Cesi

L'associazione tra i macrosettori e i profili di emissione come ottenuta nell'applicazione del modello è riassunta nella tabella seguente.

Macrosettore	Cod. Speciate	Cod. interno	Descrizione
Trasporto su gomma	1101	TRGHGWAY	Light duty gasoline vehicles – 46 car study
	2564	TRGROAD	Roadway - vehicle exhaust emissions
	2563	TRGROAD	Roadway - vehicle exhaust emissions
	2510	TRGAUTO	Vehicle exhaust - 100% high emitters
	2526	TRGAUTO	Vehicle exhaust - fort Mchenry tunnel
	2520	TRGAUTO	Vehicle exhaust - Tuscarora tunnel diesel
	ENIHV3	TRGLROHV	Autostrada e tangenziale: fuoristrada Land Rover heavy duty medio normale

Macrosettore	Cod. Speciate	Cod. interno	Descrizione
	ENIHL3	TRGLROHL	Autostrada e tangenziale: fuoristrada Land Rover heavy duty medio in salita
	ENILS2	TRGHONLS	Autostrada e tangenziale: Honda light duty benzina medio in salita
	1215	TRAJET	Composite of 6 engines burning jp-4 fuel at 30 % power
	1226	TRAJET	Composite of cfm-56 engine burning 3 fuels across all powers
Trasporto navale	1	TRNREOIL	External combustion boiler - residual oil
	2	TRNDIOIL	External combustion boiler - distillate oil
	305	TRNTERMI	Fixed roof tank - crude oil marine terminal
Combustione legno	1167	CLCOMB3	Residential wood combustion
	1084	CLWOOD	Residential wood combustion (C-1 -C-6)
	2405	CLWOOD	Wood furniture coating
Industria	9004	CHCHEM	Chemical manufacturing – average
	9003	CHINDUST	Industrial processes – average
	9012	CHPETROL	Petroleum industry – average
	9024	CHPETROL	Petroleum product storage – average
	9005	CHPLASTI	Plastics production – average
Trattamento rifiuti	122	RIINCINE	Bar screen waste incinerator
	2541	RIWASTEW	Wastewater treatment plants - New Jersey
Energia	1178	ENERGY	Coal-fired boiler - electric generation

4 RISULTATI

I risultati ottenuti per le cinque postazioni nelle 10 giornate identificate, sono relativi ai contributi percentuali ed assoluti all'inquinamento aerodisperso attribuibile ai profili di emissione considerati e quindi ai diversi macrosettori ad essi associati espressi in termini di PM10, PM2.5 e VOC.

In APPENDICE 4: DETTAGLIO DELLE SINGOLE ELABORAZIONI DEL MODELLO CMB-8, si riporta il dettaglio delle elaborazioni, al fine di verificare come i coefficienti di correlazione e la cosiddetta “*massa spiegata percentuale*” siano compresi rispettivamente nel range 0.8÷1 e 80÷120 e di conseguenza rispecchiano totalmente i vincoli di accettabilità dettati da US-EPA per un'applicazione modellistica corretta.

Di seguito si illustrano i risultati ottenuti dall'applicazione del modello di recettore CMB8 nelle diverse postazioni, suddivisi per matrice ambientale.

Per ogni gruppo di elaborazione si riportano in tabella i valori percentuali dei contributi dei macrosettori, calcolati per le singole giornate, ed il grafico dei contributi mediati per le giornate elaborate.

Si riportano inoltre i valori assoluti dei contributi dei macrosettori, calcolati per le singole giornate, ed il relativo grafico. Le tabelle sono sempre riportate complete di tutte le giornate di campionamento: le celle vuote si riferiscono pertanto a campionamenti non effettuati in quanto non inseriti nel programma di misure per quella postazione. Tutte le matrici sono state analizzate ed hanno fornito dati significativi per ciascun campionamento effettuato.

4.1 PM10: attribuzione dei contributi per macrosetttore

L'associazione tra il profilo di emissione ed il macrosetttore ha permesso di attribuire a ciascuno di questi ultimi, per ognuna delle 35 elaborazioni, il relativo contributo.

Si riportano nel seguito in tabella ed in grafico i valori percentuali, per ogni stazione di campionamento, espressi in termini di “*massa spiegata*”.

Per permettere il confronto fra le diverse elaborazioni, è necessario normalizzare i singoli contributi rispetto alla reale massa campionata.

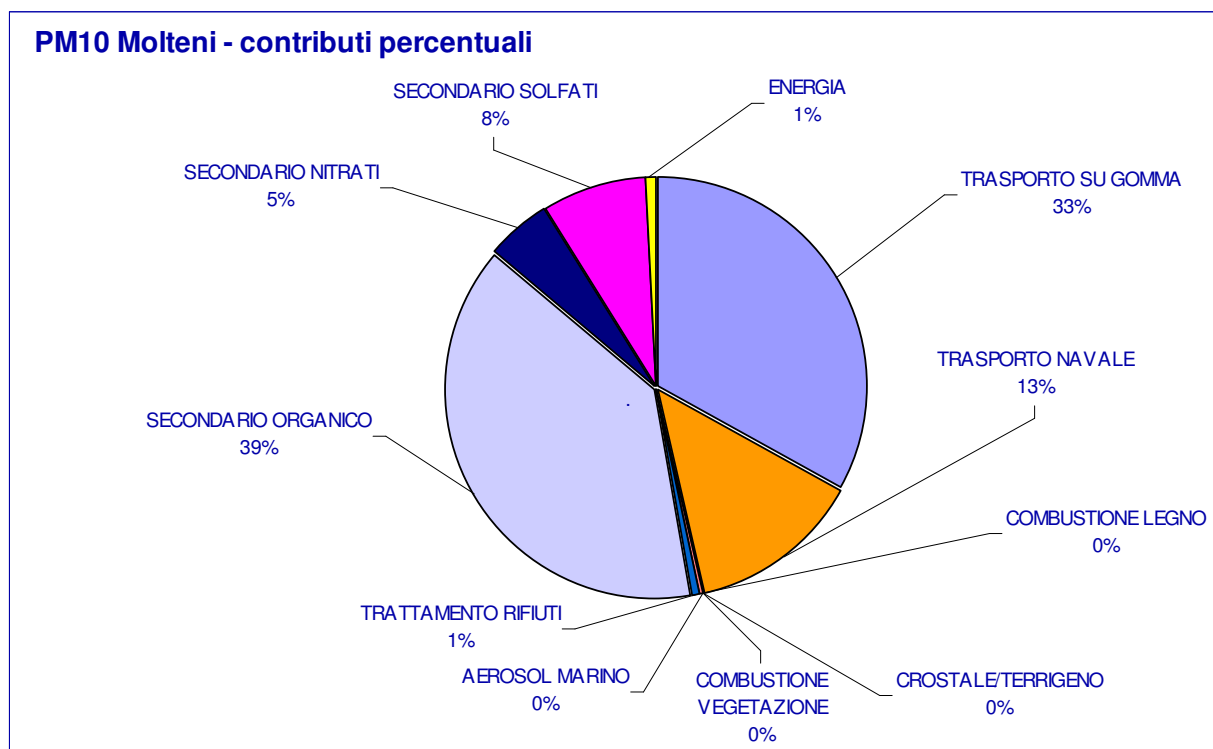
Si riportano nel seguito in tabella ed in grafico anche i valori assoluti, per ogni stazione di campionamento, espressi in termini di “*massa campionata*”.

4.1.1 Molteni

I diversi campionamenti effettuati nella postazione di Via Molteni rivelano un'attribuzione alle sorgenti presenti sul territorio nelle percentuali riportate in tabella.

Giornate	11.05	25.05	26.05	20.06	21.06	05.07	06.07	19.07	20.07	26.07
Trasporto su gomma	45.4	26.9	24.5	32.9	37.2		32.1			
Trasporto navale	4.2	25.6	26.5	4.7	5.2		13.5			
Combustione legno	0.0	0.0	0.0	0.0	0.0		0.0			
Combustione vegetazione	0.0	0.0	0.0	0.0	0.0		0.0			
Crostate/terrigeno	0.0	0.0	0.0	0.0	0.0		0.0			
Aerosol marino	0.5	1.2	0.1	0.4	0.0		0.0			
Trattamento rifiuti	0.6	1.1	0.5	0.4	0.5		0.2			
Secondario organico	38.2	34.9	30.6	45.8	40.4		42.8			
Secondario nitrati	2.5	7.9	7.8	5.7	3.5		2.6			
Secondario solfati	8.1	2.6	9.8	10.1	10.4		7.1			
Energia	0.6	0.3	0.2	0.0	2.7		1.7			
Totale della massa spiegata ($\mu\text{g}/\text{m}^3$)	31.4	36.7	49.8	37.4	51.2		28.9			
Percentuale massa spiegata (%)	99	104	102	82	101		82			

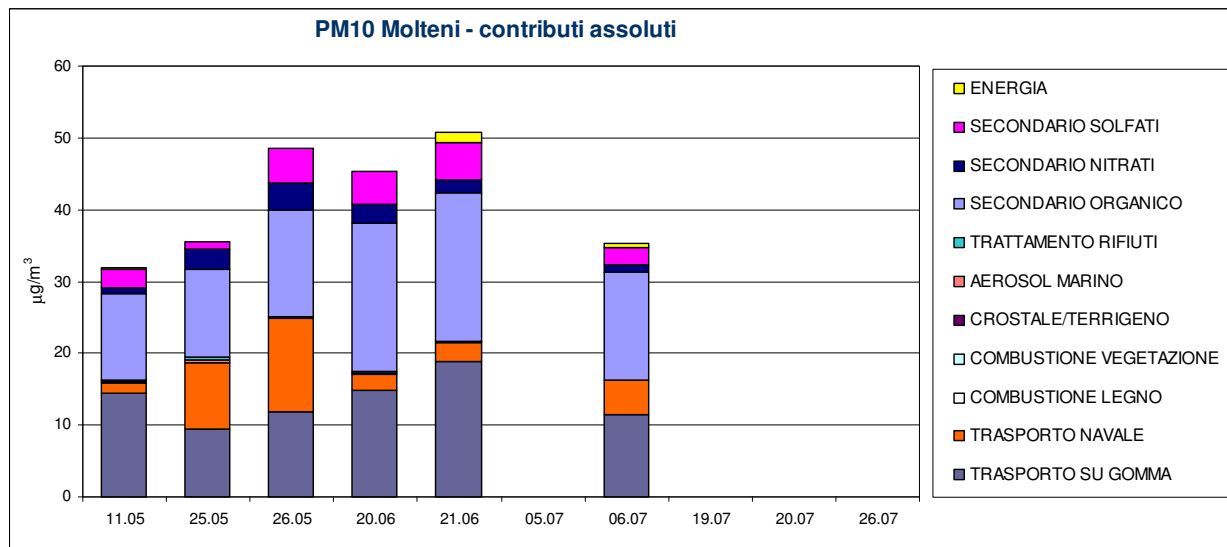
I contributi percentuali mediati sulle sei giornate campionate producono la ripartizione illustrata nella figura seguente.



I valori assoluti in $\mu\text{g}/\text{m}^3$ scalati sulla reale massa campionata sono riportati nella tabella seguente.

Giornate	11.05	25.05	26.05	20.06	21.06	05.07	06.07	19.07	20.07	26.07
Trasporto su gomma	14.5	9.5	11.9	14.9	18.9		11.4			
Trasporto navale	1.4	9.0	12.9	2.1	2.6		4.8			
Combustione legno	0.0	0.0	0.0	0.0	0.0		0.0			
Combustione vegetazione	0.0	0.0	0.0	0.0	0.0		0.0			
Crostale/terrigeno	0.0	0.0	0.0	0.0	0.0		0.0			
Aerosol marino	0.2	0.4	0.0	0.2	0.0		0.0			
Trattamento rifiuti	0.2	0.4	0.3	0.2	0.2		0.1			
Secondario organico	12.2	12.4	14.9	20.8	20.5		15.1			
Secondario nitrati	0.8	2.8	3.8	2.6	1.8		0.9			
Secondario solfati	2.6	0.9	4.8	4.6	5.3		2.5			
Energia	0.2	0.1	0.1	0.0	1.4		0.6			
Totale massa campionata ($\mu\text{g}/\text{m}^3$)	31.9	35.6	48.7	45.4	50.7		35.4			

I contributi assoluti delle sei giornate campionate presso la stazione di Via Molteni, vengono di seguito illustrati.



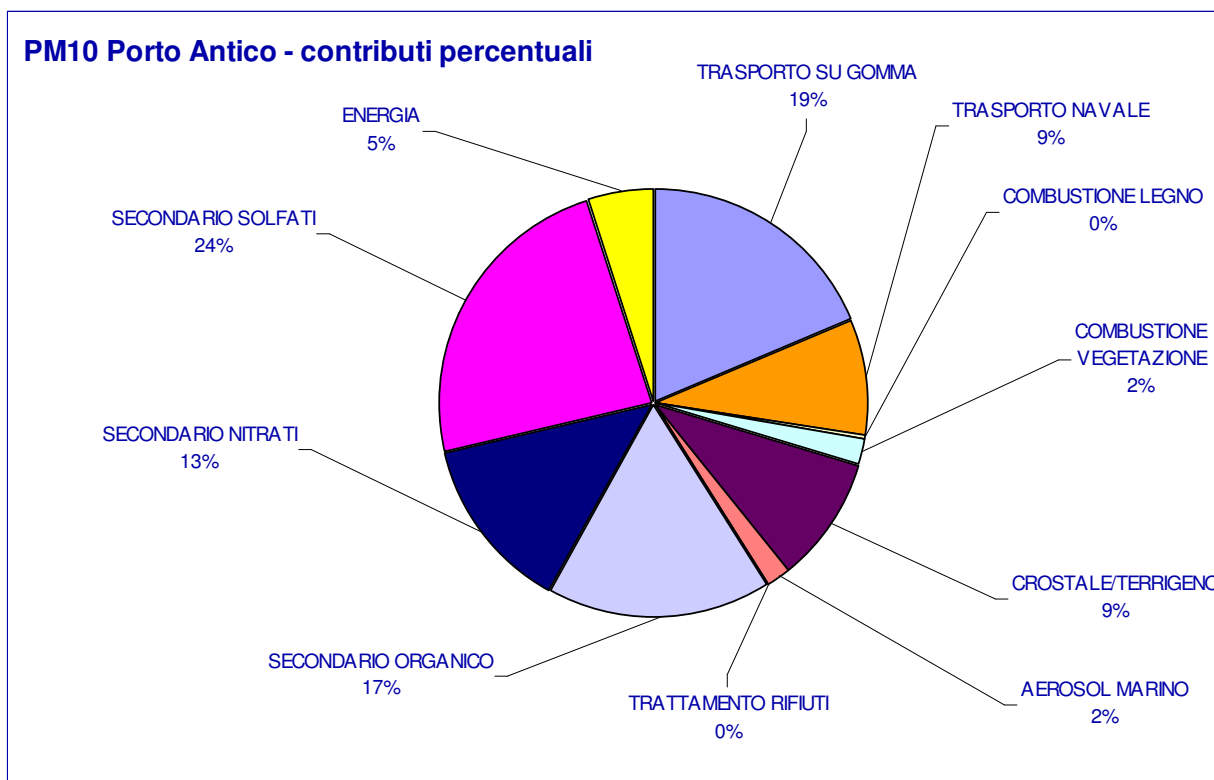
Si evidenzia un elevato contributo delle sorgenti antropogeniche *trasporto su gomma* ed, in misura minore *trasporto navale*, evidenti cause della formazione del particolato secondario, costituito perlopiù dalla componente organica. Presso Molteni la sorgente *energia* presenta basse ricadute, nella forma di componente primaria.

4.1.2 Porto antico

I diversi campionamenti effettuati nella postazione di Porto Antico rivelano un'attribuzione alle sorgenti presenti sul territorio nelle percentuali riportate in tabella.

Giornate	11.05	25.05	26.05	20.06	21.06	05.07	06.07	19.07	20.07	26.07
Trasporto su gomma	14.7	7.0	10.3	33.7	27.8					
Trasporto navale	21.5	0.7	4.2	15.9	2.3					
Combustione legno	0.0	0.0	0.0	0.0	0.1					
Combustione vegetazione	0.0	0.0	0.0	0.0	10.9					
Crostale/terrigeno	3.2	24.8	18.2	0.7	0.0					
Aerosol marino	1.5	0.8	0.0	1.9	5.1					
Trattamento rifiuti	0.1	0.0	0.0	0.0	0.0					
Secondario organico	29.3	11.7	15.2	11.9	16.8					
Secondario nitrati	9.2	26.3	15.0	9.7	6.3					
Secondario solfati	20.2	28.5	34.7	26.2	8.1					
Energia	0.0	0.3	2.4	0.0	22.4					
Totale della massa spiegata (µg/m³)	13.3	30.5	43.6	38.6	43.0					
Percentuale massa spiegata (%)	88	101	110	84	84					

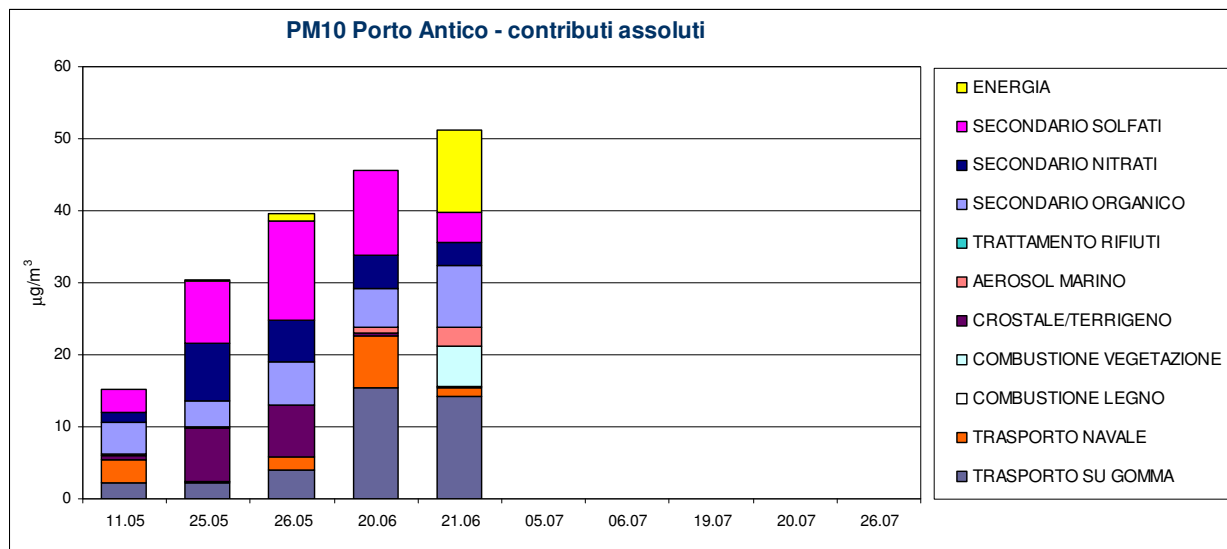
I contributi percentuali mediati sulle cinque giornate campionate producono la ripartizione illustrata nella figura seguente.



I valori assoluti in $\mu\text{g}/\text{m}^3$ scalati sulla reale massa campionata sono riportati nella tabella seguente.

Giornate	11.05	25.05	26.05	20.06	21.06	05.07	06.07	19.07	20.07	26.07
Trasporto su gomma	2.2	2.1	4.1	15.4	14.3					
Trasporto navale	3.3	0.2	1.7	7.3	1.2					
Combustione legno	0.0	0.0	0.0	0.0	0.1					
Combustione vegetazione	0.0	0.0	0.0	0.0	5.6					
Crostale/terrigeno	0.5	7.5	7.2	0.3	0.0					
Aerosol marino	0.2	0.2	0.0	0.9	2.6					
Trattamento rifiuti	0.0	0.0	0.0	0.0	0.0					
Secondario organico	4.5	3.5	6.0	5.5	8.6					
Secondario nitrati	1.4	8.0	5.9	4.4	3.3					
Secondario solfati	3.1	8.6	13.8	12.0	4.2					
Energia	0.0	0.1	1.0	0.0	11.5					
Totale massa campionata ($\mu\text{g}/\text{m}^3$)	15,2	30,3	39,6	45,7	51,3					

I contributi assoluti delle cinque giornate campionate presso la stazione di Via Porto Antico, vengono di seguito illustrati.



Si evidenzia una distribuzione dei contributi abbastanza articolata, che rispecchia la consistente fluttuazione della polverosità nelle giornate osservate. Il contributo prevalente è sempre rappresentato dal *trasporto su gomma* e dal *secondario*, e solo nella giornata del 21.06, caratterizzata da elevata polverosità, *energia* presenta significative ricadute, nella forma di componente primaria.

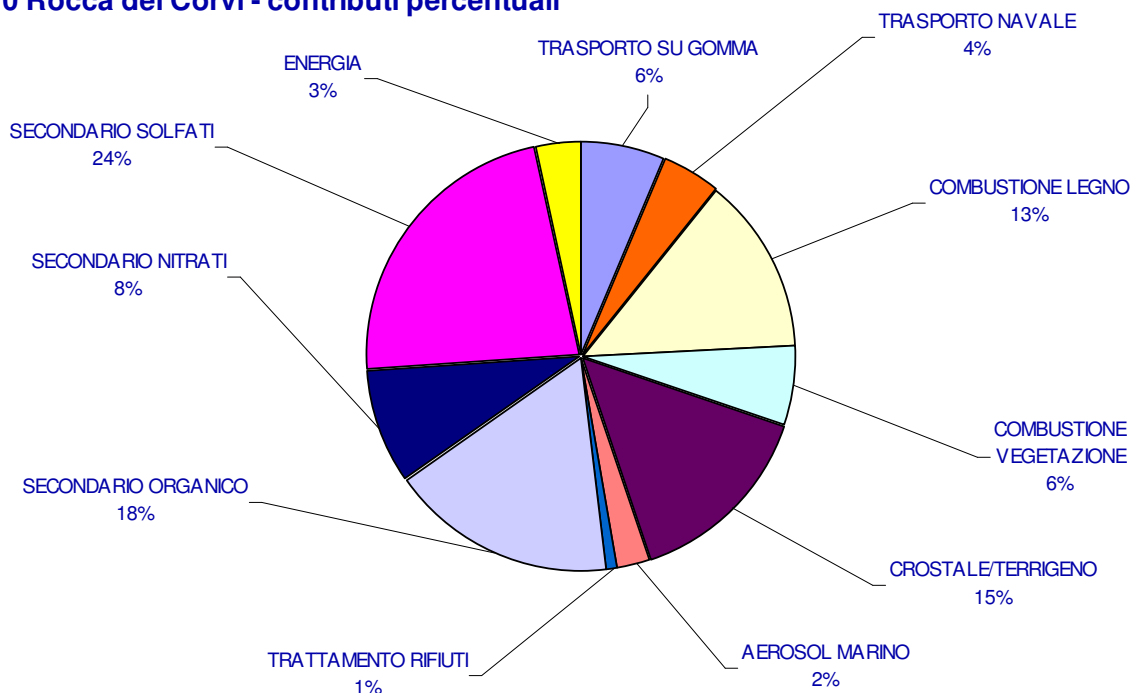
4.1.3 Rocca dei corvi

I diversi campionamenti effettuati nella postazione di Rocca dei Corvi rivelano un'attribuzione alle sorgenti presenti sul territorio nelle percentuali riportate in tabella.

Giornate	11.05	25.05	26.05	20.06	21.06	05.07	06.07	19.07	20.07	26.07
Trasporto su gomma	11.4	5.1	8.4	5.3	4.9	6.7	2.6	5.1	12.7	2.4
Trasporto navale	22.6	0.0	7.2	0.0	5.7	2.0	0.0	0.0	3.2	2.5
Combustione legno	8.1	25.4	5.9	0.8	2.1	6.3	17.4	18.9	35.7	14.0
Combustione vegetazione	0.0	0.0	0.0	0.0	0.0	0.0	20.7	18.1	3.9	19.4
Crostale/terrigeno	9.1	22.4	0.0	42.4	38.9	32.7	0.0	0.0	0.0	0.0
Aerosol marino	1.2	2.5	0.3	1.2	0.4	1.1	10.3	6.9	0.0	0.0
Trattamento rifiuti	0.7	1.0	1.0	0.2	0.4	0.5	0.4	1.0	2.2	0.2
Secondario organico	24.6	0.0	17.0	15.0	23.2	26.5	17.5	18.1	10.0	22.9
Secondario nitrati	4.9	18.7	14.5	15.0	5.0	7.3	5.3	7.7	3.8	2.8
Secondario solfati	16.8	25.0	45.4	26.4	12.5	16.6	18.0	17.0	25.0	26.0
Energia	0.0	0.0	0.6	0.4	6.1	0.0	7.6	7.0	3.3	9.7
Totale della massa spiegata ($\mu\text{g}/\text{m}^3$)	12.7	33.0	35.3	40.1	33.6	24.5	23.6	23.1	25.3	35.7
Percentuale massa spiegata (%)	95	106	108	112	81	85	81	84	81	85

I contributi percentuali mediati sulle dieci giornate campionate producono la ripartizione illustrata nella figura seguente.

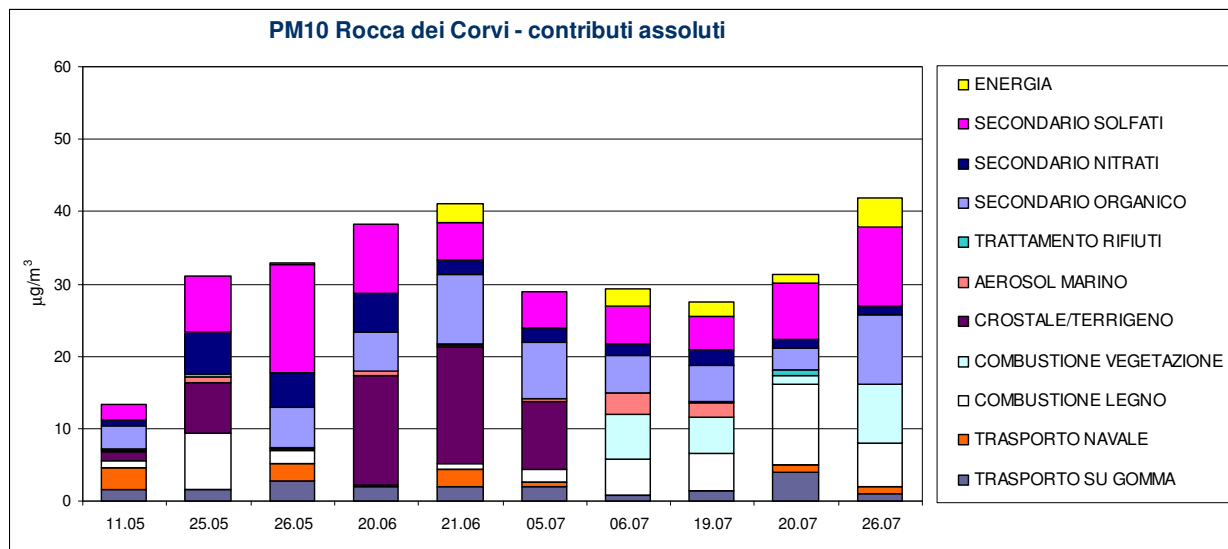
PM10 Rocca dei Corvi - contributi percentuali



I valori assoluti in $\mu\text{g}/\text{m}^3$ scalati sulla reale massa campionata sono riportati nella tabella seguente.

Giornate	11.05	25.05	26.05	20.06	21.06	05.07	06.07	19.07	20.07	26.07
Trasporto su gomma	1.5	1.6	2.7	1.9	2.0	1.9	0.8	1.4	4.0	1.0
Trasporto navale	3.0	0.0	2.4	0.0	2.4	0.6	0.0	0.0	1.0	1.0
Combustione legno	1.1	7.9	1.9	0.3	0.8	1.8	5.1	5.2	11.2	5.9
Combustione vegetazione	0.0	0.0	0.0	0.0	0.0	0.0	6.1	5.0	1.2	8.2
Crostale/terrigeno	1.2	7.0	0.0	15.2	16.1	9.4	0.0	0.0	0.0	0.0
Aerosol marino	0.2	0.8	0.1	0.4	0.1	0.3	3.0	1.9	0.0	0.0
Trattamento rifiuti	0.1	0.3	0.3	0.1	0.2	0.2	0.1	0.3	0.7	0.1
Secondario organico	3.3	0.0	5.6	5.4	9.6	7.7	5.1	5.0	3.1	9.6
Secondario nitrati	0.7	5.8	4.7	5.4	2.1	2.1	1.6	2.1	1.2	1.2
Secondario solfati	2.3	7.8	14.9	9.5	5.2	4.8	5.3	4.7	7.8	10.9
Energia	0.0	0.0	0.2	0.2	2.5	0.0	2.2	1.9	1.0	4.1
Totale massa campionata ($\mu\text{g}/\text{m}^3$)	13,3	31,1	32,8	38,4	41,0	28,8	29,2	27,5	31,2	42,0

I contributi assoluti delle dieci giornate campionate presso la stazione di Rocca dei Corvi, vengono di seguito illustrati.



Si evidenzia una distribuzione dei contributi ancora abbastanza articolata, attribuibile qui alla duplice presenza di contributi antropogenici, associabili perlopiù alla costante presenza di *particolato secondario* in forma organica ed inorganica, e di contributi biogenici, tipici di questa postazione isolata situata in ambiente boschivo e residenziale. Le giornate con presenza di *crostale terrigeno* si alternano a quelle con *combustione legno*.

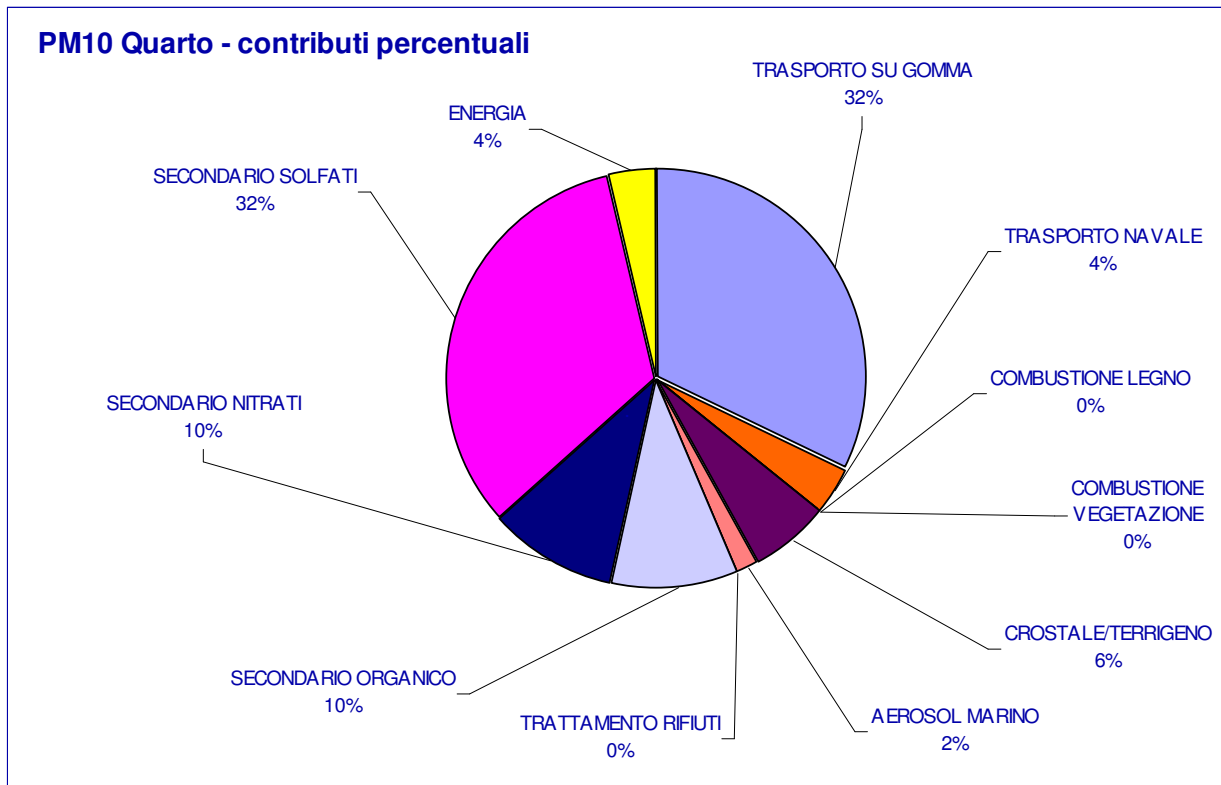
La sorgente *energia* presenta discrete ricadute, osservabili 7 giorni su 10.

4.1.4 Quarto

I diversi campionamenti effettuati nella postazione di Quarto rivelano un'attribuzione alle sorgenti presenti sul territorio nelle percentuali riportate in tabella.

Giornate	11.05	25.05	26.05	20.06	21.06	05.07	06.07	19.07	20.07	26.07
Trasporto su gomma	36.1	19.9	15.5	59.8	49.8	28.2	16.2			
Trasporto navale	0.0	1.5	18.9	4.4	0.0	0.0	0.4			
Combustione legno	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
Combustione vegetazione	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
Crostale/terrigeno	43.1	0.0	0.0	0.0	0.0	0.0	0.0			
Aerosol marino	0.9	7.4	0.4	0.4	0.5	1.0	0.6			
Trattamento rifiuti	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
Secondario organico	0.0	8.1	12.1	0.0	13.3	17.9	16.6			
Secondario nitrati	6.8	28.3	13.0	8.3	5.4	3.5	5.9			
Secondario solfati	13.0	29.6	30.7	27.0	30.8	49.9	50.2			
Energia	0.1	5.4	9.4	0.0	0.3	0.3	9.8			
Totale della massa spiegata ($\mu\text{g}/\text{m}^3$)	17.6	21.1	29.8	31.8	37.1	19.7	19.7			
Percentuale massa spiegata (%)	101	81	94	83	82	81	84			

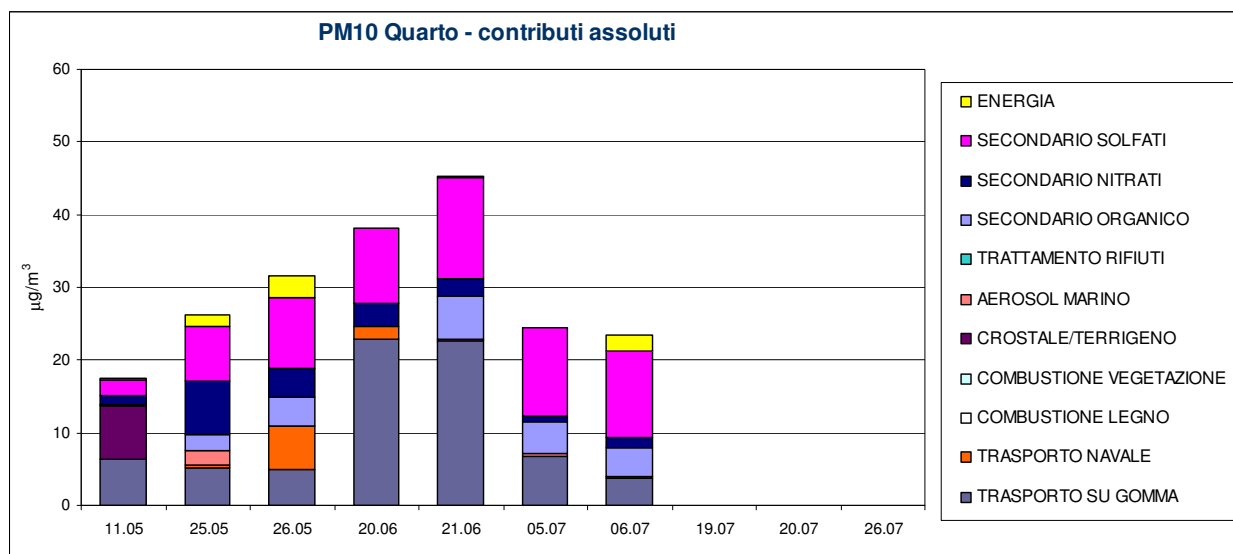
I contributi percentuali mediati sulle sette giornate campionate producono la ripartizione illustrata nella figura seguente.



I valori assoluti in $\mu\text{g}/\text{m}^3$ scalati sulla reale massa campionata sono riportati nella tabella seguente.

Giornate	11.05	25.05	26.05	20.06	21.06	05.07	06.07	19.07	20.07	26.07
Trasporto su gomma	6,3	5,2	4,9	22,8	22,6	6,8	3,8			
Trasporto navale	0,0	0,4	6,0	1,7	0,0	0,0	0,1			
Combustione legno	0,0	0,0	0,0	0,0	0,0	0,0	0,0			
Combustione vegetazione	0,0	0,0	0,0	0,0	0,0	0,0	0,0			
Crostale/terrigeno	7,5	0,0	0,0	0,0	0,0	0,0	0,0			
Aerosol marino	0,2	1,9	0,1	0,2	0,2	0,2	0,1			
Trattamento rifiuti	0,0	0,0	0,0	0,0	0,0	0,0	0,0			
Secondario organico	0,0	2,1	3,8	0,0	6,0	4,3	3,9			
Secondario nitrati	1,2	7,4	4,1	3,2	2,5	0,8	1,4			
Secondario solfati	2,3	7,7	9,7	10,3	13,9	12,1	11,9			
Energia	0,0	1,4	3,0	0,0	0,1	0,1	2,3			
Totale massa campionata ($\mu\text{g}/\text{m}^3$)	17,4	26,1	31,6	38,2	45,3	24,5	23,5			

I contributi assoluti delle sette giornate campionate presso la stazione di Quarto, vengono di seguito illustrati.



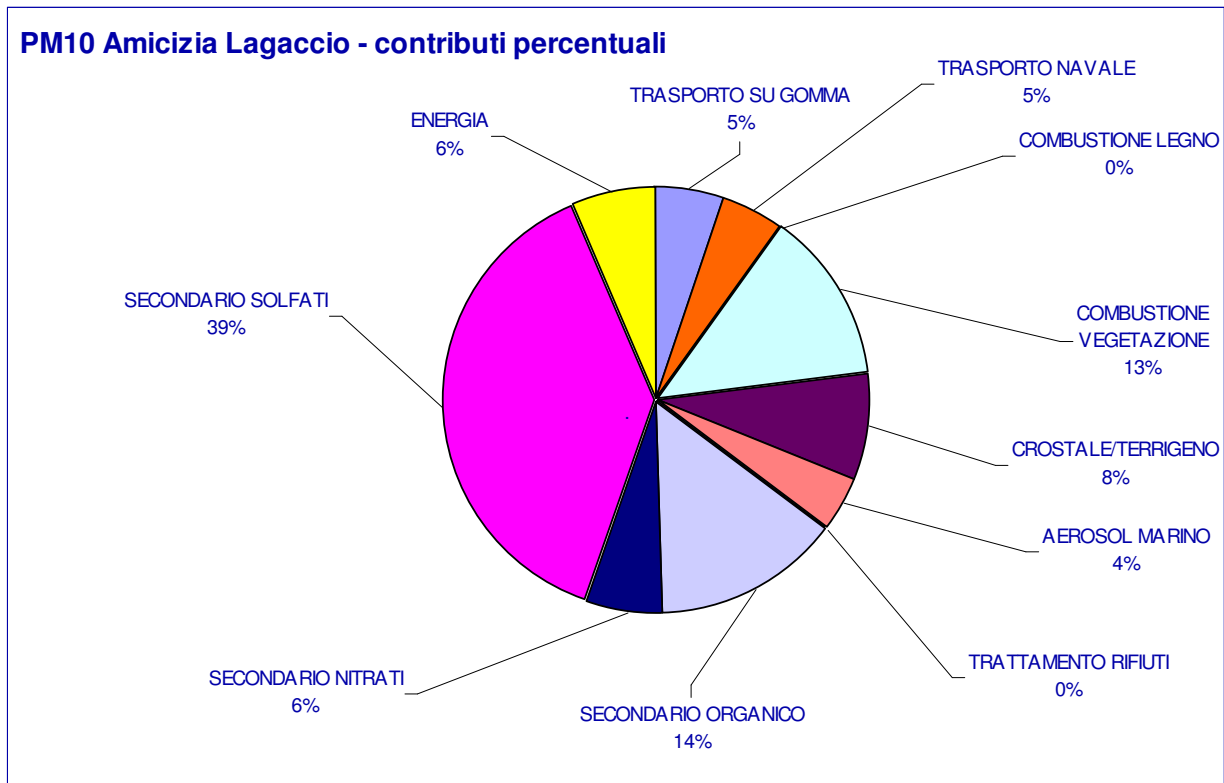
Si evidenzia un elevato contributo delle sorgenti antropogeniche raggruppate come *trasporto su gomma* in particolare nelle giornate del 20 e del 21 giugno. È costante la presenza di *secondario solfati*, e la sorgente *energia* presenta basse contributi nella forma di componente primaria.

4.1.5 Lagaccio

I diversi campionamenti effettuati nella postazione di Lagaccio rivelano un'attribuzione alle sorgenti presenti sul territorio nelle percentuali riportate in tabella.

Giornate	11.05	25.05	26.05	20.06	21.06	05.07	06.07	19.07	20.07	26.07
Trasporto su gomma				2.5	3.5	5.2	6.1	6.8	6.3	7.5
Trasporto navale				2.7	10.1	10.4	4.9	0.2	2.1	2.7
Combustione legno				0.0	0.0	0.0	0.0	0.0	0.0	0.0
Combustione vegetazione				11.8	12.7	9.3	10.8	0.0	0.0	46.8
Crostale/terrigeno				16.1	10.9	5.8	4.0	11.2	6.3	1.1
Aerosol marino				15.0	7.7	1.9	0.0	1.3	0.0	3.8
Trattamento rifiuti				0.0	0.0	0.0	0.0	0.0	0.0	0.0
Secondario organico				9.5	14.8	16.0	17.1	19.2	18.0	3.7
Secondario nitrati				9.8	4.5	4.9	8.6	7.7	5.0	0.9
Secondario solfati				26.2	23.9	39.0	46.0	47.9	53.1	32.9
Energia				7.2	11.8	7.4	2.7	5.7	9.2	0.6
Totale della massa spiegata ($\mu\text{g}/\text{m}^3$)				35.0	50.7	32.7	28.8	21.9	29.6	40.7
Percentuale massa spiegata (%)				94	100	94	86	82	81	94

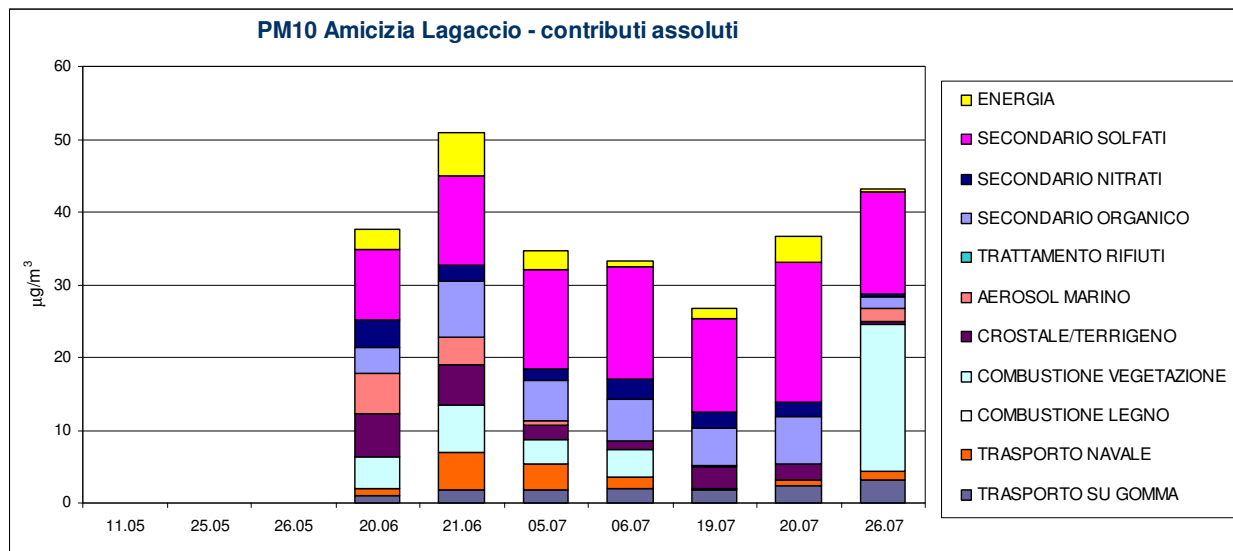
I contributi percentuali mediati sulle sette giornate campionate producono la ripartizione illustrata nella figura seguente.



I valori assoluti in mg/m³ scalati sulla reale massa campionata sono riportati nella tabella seguente.

Giornate	11.05	25.05	26.05	20.06	21.06	05.07	06.07	19.07	20.07	26.07
Trasporto su gomma				0.9	1.8	1.8	2.0	1.8	2.3	3.2
Trasporto navale				1.0	5.1	3.6	1.6	0.1	0.8	1.2
Combustione legno				0.0	0.0	0.0	0.0	0.0	0.0	0.0
Combustione vegetazione				4.4	6.5	3.2	3.6	0.0	0.0	20.2
Crostale/terrigeno				6.0	5.5	2.0	1.3	3.0	2.3	0.5
Aerosol marino				5.6	3.9	0.7	0.0	0.4	0.0	1.7
Trattamento rifiuti				0.0	0.0	0.0	0.0	0.0	0.0	0.0
Secondario organico				3.6	7.6	5.5	5.7	5.2	6.6	1.6
Secondario nitrati				3.7	2.3	1.7	2.9	2.1	1.8	0.4
Secondario solfati				9.8	12.2	13.5	15.3	12.8	19.4	14.2
Energia				2.7	6.0	2.6	0.9	1.5	3.4	0.2
Totale massa campionata (mg/m ³)				37.6	50.9	34.6	33.3	26.8	36.5	43.1

I contributi assoluti delle sette giornate campionate presso la stazione di Amicizia Lagaccio, vengono di seguito illustrati.

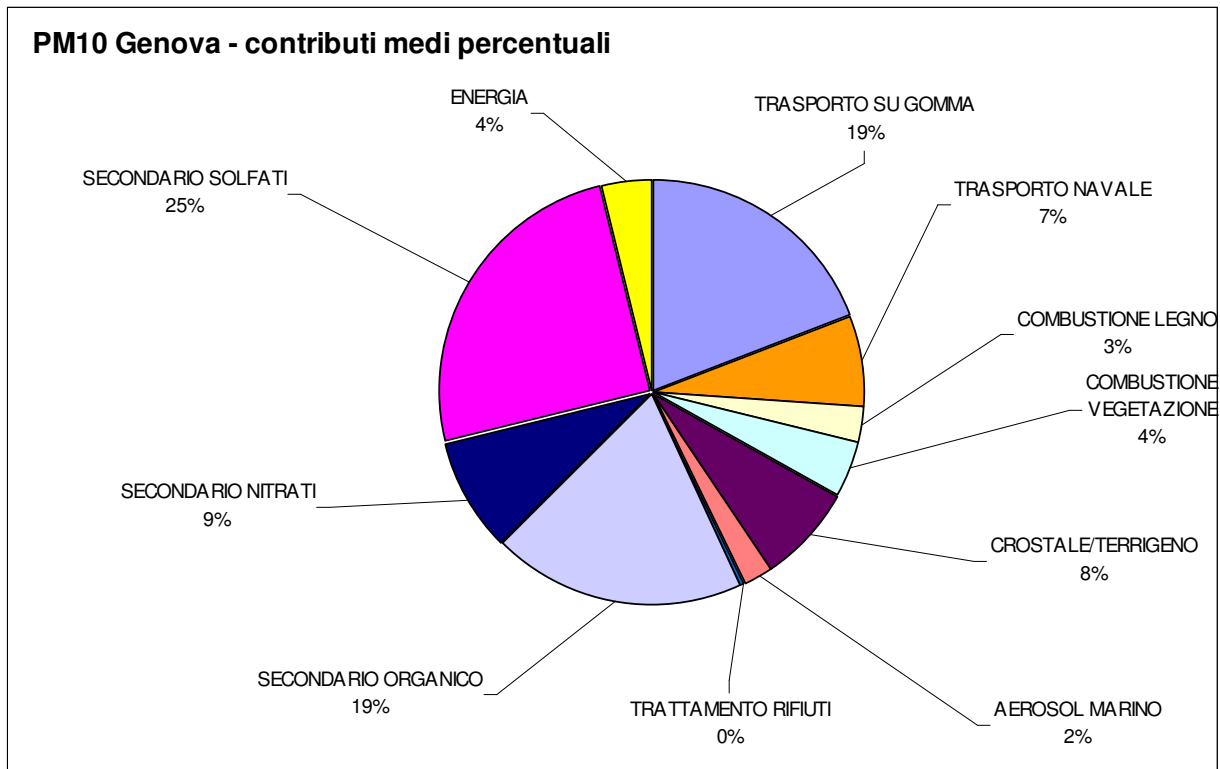


Si evidenzia una distribuzione dei contributi abbastanza articolata, attribuibile alla duplice presenza di contributi antropogenici e biogenici. I primi associabili a tutti i macrosettori energia, presente 7 giorni su 7, al trasporto navale e al trasporto su gomma, anch'essi sempre presenti, oltre alla elevata presenza di particolato secondario inorganico. I secondi alla non trascurabile presenza di combustione legno, combustione vegetazione e di crostale terrigeno, presenti in quasi tutte le giornate.

4.1.6 Media PM10 su Genova

I contributi medi percentuali dei campionamenti effettuati nella diverse postazioni, già rappresentati solo graficamente nei parametri precedenti, sono riportati nella tabella seguente.

	Molteni -	Porto Antico	Rocca dei Corvi -	Quarto	Lagaccio -
Trasporto su gomma	33.15	18.68	6.45	32.23	5.41
Trasporto navale	13.28	8.92	4.32	3.60	4.73
Combustione legno	0.00	0.03	13.46	0.00	0.00
Combustione vegetazione	0.00	2.17	6.21	0.00	13.06
Crostale/terrigeno	0.00	9.38	14.55	6.15	7.89
Aerosol marino	0.36	1.86	2.39	1.60	4.26
Trattamento rifiuti	0.56	0.02	0.77	0.00	0.00
Secondario organico	38.77	16.97	17.48	9.71	14.04
Secondario nitrati	5.01	13.29	8.50	10.16	5.92
Secondario solfati	8.01	23.56	22.87	33.03	38.42
Energia	0.93	5.01	3.46	3.59	6.37



La distribuzione dei contributi percentuale mediata sulle 5 postazioni porta a definire un apporto della Centrale pari al 4%. Questo contributo si riferisce alla componente primaria, che attribuisce al *trasporto su gomma* e al *trasporto navale* rispettivamente il 19% ed il 7%. Sono presenti in maniera non trascurabile anche la *combustione della vegetazione e del legno*, il *crostale terrigeno* e l'*aerosol marino*, oltre ad un accenno all'*incenerimento* dei rifiuti probabilmente associabile alla presenza del mare.

Il restante 53% risulta associabile al particolato secondario, con la prevelenza del contributo dei solfati e della componente organica rispetto ai nitrati. Esso è attribuibile non solo alle emissioni antropogeniche, ma anche a quelle biogeniche e/o naturali. Inoltre è legato non solo alle sorgenti locali ma deriva in larga parte dal trasporto a lunga distanza.

4.2 PM2.5: attribuzione dei contributi per macrosettore

L'associazione tra il profilo di emissione ed il macrosettore ha permesso di attribuire a ciascuno di questi ultimi per ognuna delle 39 elaborazioni il relativo contributo.

Si riportano nel seguito in tabella ed in grafico i valori percentuali, per ogni stazione di campionamento, espressi in termini di "*massa spiegata*".

Per permettere il confronto fra le diverse elaborazioni, è necessario normalizzare i singoli contributi rispetto alla reale massa campionata.

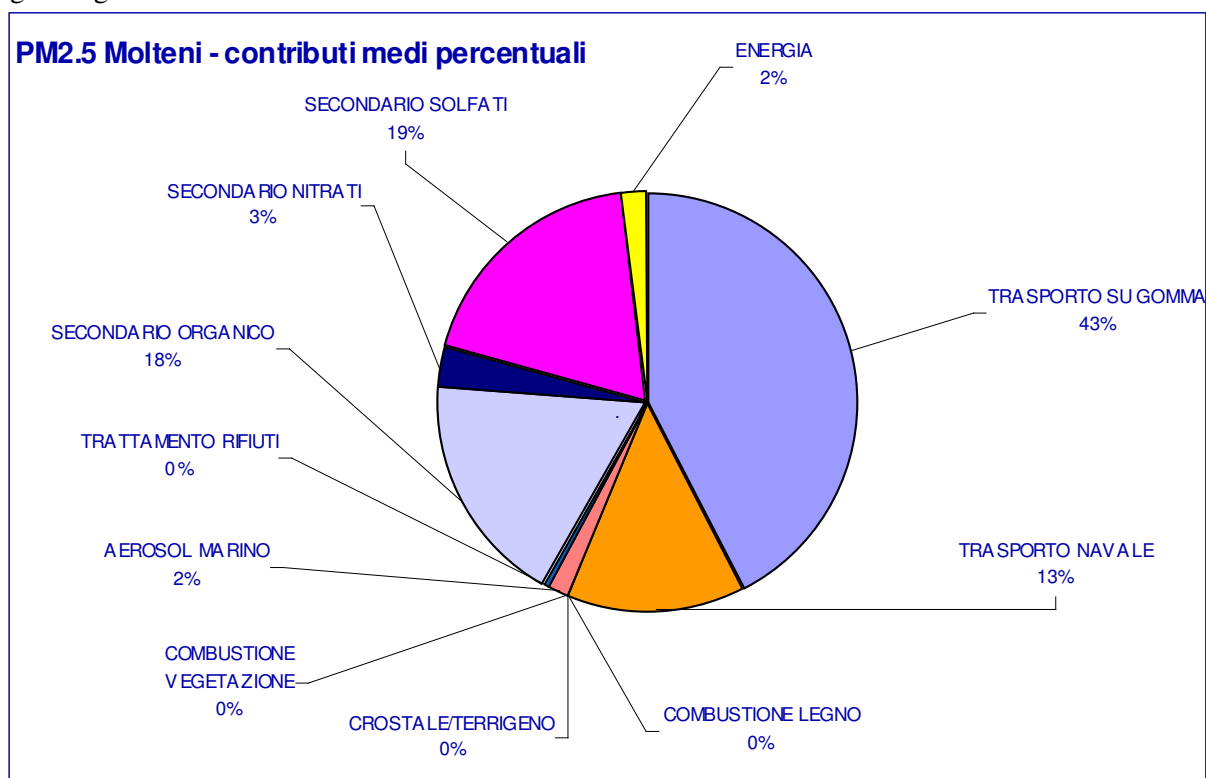
Si riportano nel seguito in tabella ed in grafico anche i valori assoluti, per ogni stazione di campionamento, espressi in termini di "*massa campionata*".

4.2.1 Molteni

I diversi campionamenti effettuati nella postazione di Via Molteni rivelano un'attribuzione alle sorgenti presenti sul territorio nelle percentuali riportate in tabella.

Giornate	11.05	25.05	26.05	20.06	21.06	05.07	06.07	19.07	20.07	26.07
Trasporto su gomma	66.9	38.3	37.6	38.4	60.9	51.3	24.4	42.3	42.3	23.5
Trasporto navale	22.4	38.4	5.1	2.0	0.2	1.4	33.4	15.5	15.5	0.3
Combustione legno	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Combustione vegetazione	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Crostone/terrigeno	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Aerosol marino	0.0	0.0	0.0	17.3	0.0	0.0	0.4	0.7	0.7	0.0
Trattamento rifiuti	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.4	0.0
Secondario organico	0.0	7.6	21.2	18.4	24.0	22.2	20.9	15.5	15.5	34.8
Secondario nitrati	4.1	4.0	8.3	1.9	1.8	1.7	3.0	2.6	2.6	1.5
Secondario solfati	1.7	10.9	24.5	15.4	10.3	21.5	17.5	23.1	23.1	39.8
Energia	5.1	0.6	3.5	6.7	2.8	1.8	0.0	0.0	0.0	0.0
Totale della massa spiegata ($\mu\text{g}/\text{m}^3$)	11.8	28.2	26.6	25.1	46.1	29.6	23.2	19.0	19.0	36.6
Percentuale massa spiegata (%)	80	88	82	82	116	117	89	94	94	86

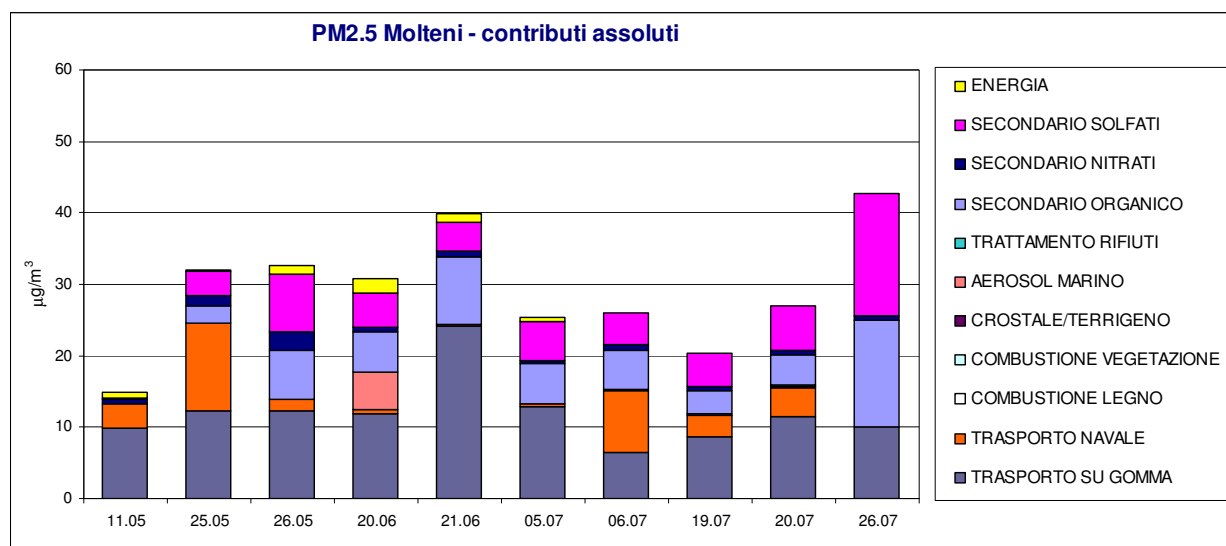
I contributi percentuali mediati sulle dieci giornate campionate producono la ripartizione illustrata nella figura seguente.



I valori assoluti in $\mu\text{g}/\text{m}^3$ scalati sulla reale massa campionata sono riportati nella tabella seguente.

Giornate	11.05	25.05	26.05	20.06	21.06	05.07	06.07	19.07	20.07	26.07
Trasporto su gomma	9.9	12.3	12.2	11.8	24.2	13.0	6.4	8.6	11.4	10.0
Trasporto navale	3.3	12.3	1.7	0.6	0.1	0.4	8.7	3.1	4.2	0.1
Combustione legno	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Combustione vegetazione	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Crostante/terrigeno	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Aerosol marino	0.0	0.0	0.0	5.3	0.0	0.0	0.1	0.1	0.2	0.0
Trattamento rifiuti	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0
Secondario organico	0.0	2.4	6.9	5.7	9.6	5.6	5.5	3.1	4.2	14.8
Secondario nitrati	0.6	1.3	2.7	0.6	0.7	0.4	0.8	0.5	0.7	0.7
Secondario solfati	0.3	3.5	8.0	4.8	4.1	5.4	4.6	4.7	6.2	17.0
Energia	0.8	0.2	1.1	2.1	1.1	0.4	0.0	0.0	0.0	0.0
Totale massa campionata	14,8	32,1	32,5	30,8	39,8	25,3	26,0	20,3	27,0	42,6

I contributi assoluti delle dieci giornate campionate presso la stazione di Via Molteni, vengono di seguito illustrati.



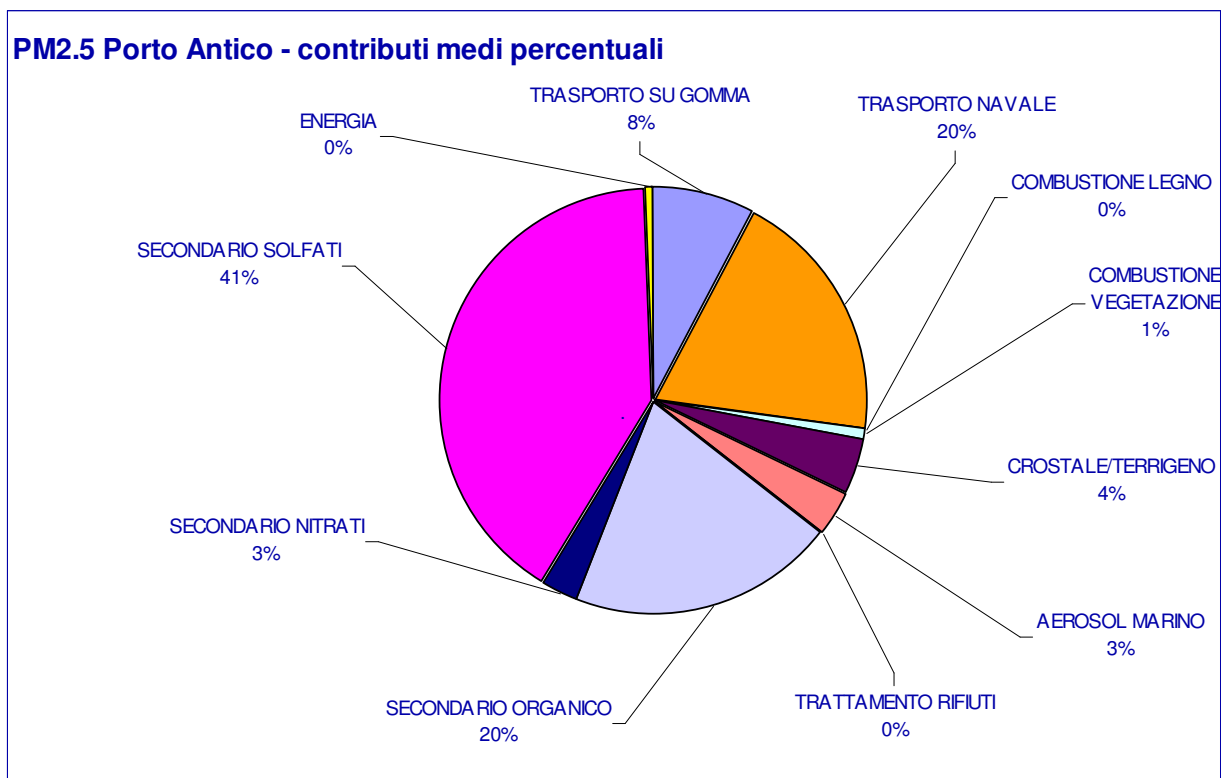
Analogamente al PM10, si evidenzia un elevato contributo delle sorgenti antropogeniche *trasporto su gomma* ed, in misura minore del *trasporto navale* sempre presenti in tutte le giornate. Il particolato secondario è costituito sia dalla componente organica che da quella inorganica in circa egual misura. La sorgente *energia* presenta basse ricadute. Il trasporto navale è presente in quasi tutti i campioni e risulta elevato nei confronti delle altre postazioni.

4.2.2 Porto Antico

I diversi campionamenti effettuati nella postazione di Porto Antico rivelano un'attribuzione alle sorgenti presenti sul territorio nelle percentuali riportate in tabella.

Giornate	11.05	25.05	26.05	20.06	21.06	05.07	06.07	19.07	20.07	26.07
Trasporto su gomma	17.2	8.1	7.4	0.9	4.8					
Trasporto navale	1.9	50.8	7.7	29.7	8.4					
Combustione legno	0.0	0.0	0.0	0.0	0.0					
Combustione vegetazione	0.0	0.0	0.0	0.0	3.4					
Crostante/terrigeno	4.8	0.0	0.3	2.6	13.3					
Aerosol marino	2.3	0.9	0.9	0.2	12.0					
Trattamento rifiuti	0.0	0.0	0.0	0.0	0.0					
Secondario organico	26.0	17.7	18.4	15.8	23.5					
Secondario nitrati	3.6	3.8	3.3	1.7	1.1					
Secondario solfati	44.2	19.0	61.9	49.0	31.1					
Energia	0.0	0.0	0.0	0.0	2.3					
Totale della massa spiegata ($\mu\text{g}/\text{m}^3$)	6.9	11.8	21.0	24.2	21.8					
Percentuale massa spiegata (%)	96	94	84	118	85					

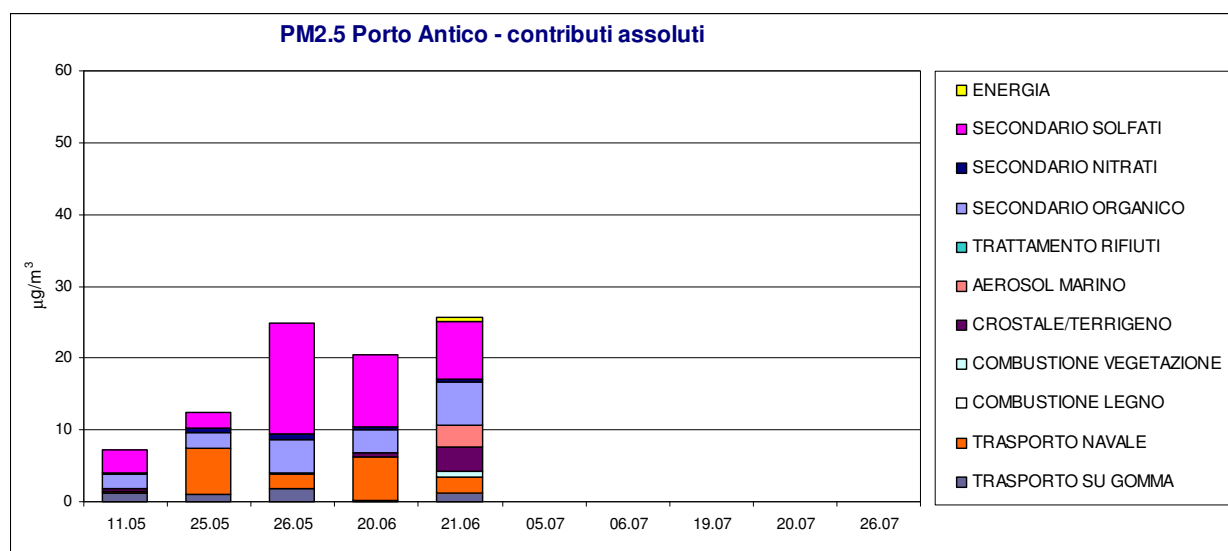
I contributi percentuali mediati sulle cinque giornate campionate producono la ripartizione illustrata nella figura seguente.



I valori assoluti in $\mu\text{g}/\text{m}^3$ scalati sulla reale massa campionata sono riportati nella tabella seguente.

Giornate	11.05	25.05	26.05	20.06	21.06	05.07	06.07	19.07	20.07	26.07
Trasporto su gomma	1.2	1.0	1.8	0.2	1.2					
Trasporto navale	0.1	6.4	1.9	6.1	2.1					
Combustione legno	0.0	0.0	0.0	0.0	0.0					
Combustione vegetazione	0.0	0.0	0.0	0.0	0.9					
Crostone/terrigeno	0.3	0.0	0.1	0.5	3.4					
Aerosol marino	0.2	0.1	0.2	0.0	3.1					
Trattamento rifiuti	0.0	0.0	0.0	0.0	0.0					
Secondario organico	1.9	2.2	4.6	3.2	6.0					
Secondario nitrati	0.3	0.5	0.8	0.3	0.3					
Secondario solfati	3.2	2.4	15.4	10.0	8.0					
Energia	0.0	0.0	0.0	0.0	0.6					
Totale massa campionata ($\mu\text{g}/\text{m}^3$)	7.2	12.5	24.9	20.5	25.6					

I contributi assoluti delle cinque giornate campionate presso la stazione di Porto Antico, vengono di seguito illustrati.



Analogamente a quanto riscontrato per il PM10, si evidenzia una distribuzione dei contributi abbastanza articolata, che rispecchia la consistente fluttuazione della polverosità nelle giornate osservate. Il contributo prevalente è sempre rappresentato dal *trasporto navale* e dal *secondario solfati*, e solo nella giornata del 21.06, caratterizzata da elevata polverosità, *energia* presenta lievi ricadute, sempre nella forma di componente primaria.

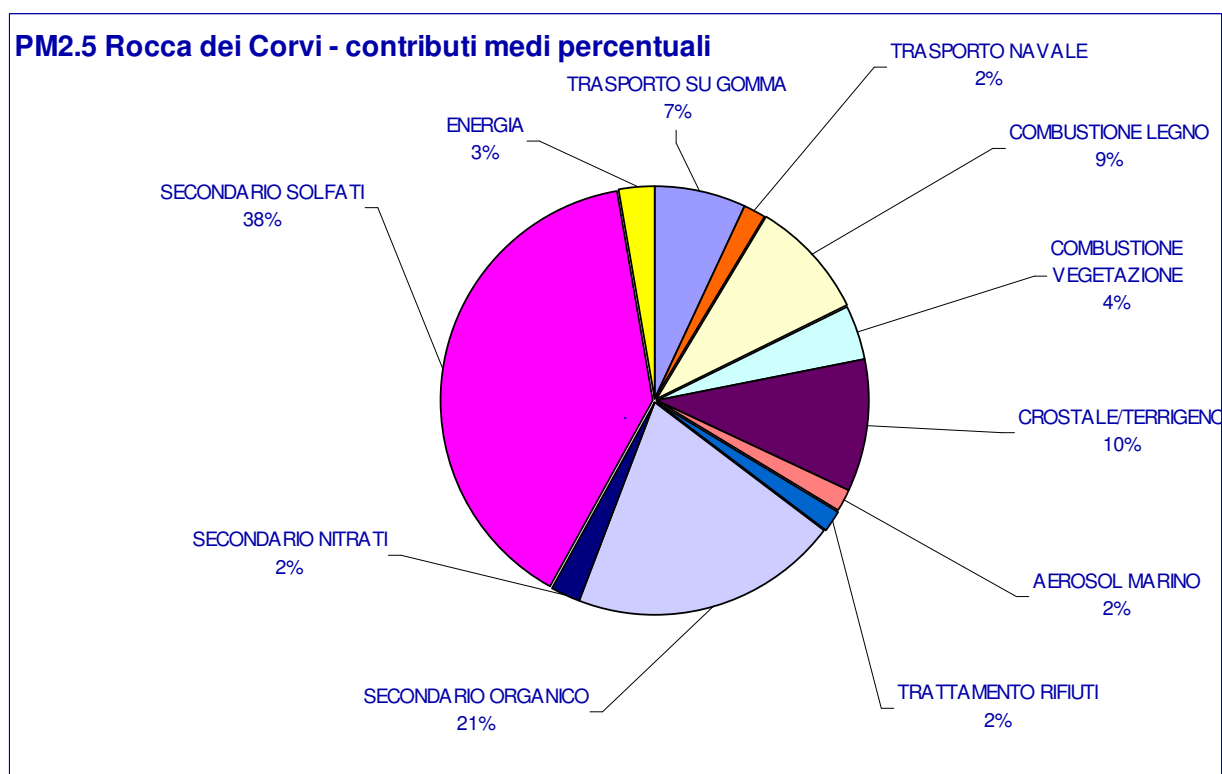
Il secondario solfati sembra non essere direttamente associato ad energia ma anche al trasporto navale che raggiunge il contributo del 20%.

4.2.3 Rocca dei Corvi

I diversi campionamenti effettuati nella postazione di Rocca dei Corvi rivelano un'attribuzione alle sorgenti presenti sul territorio nelle percentuali riportate in tabella.

Giornate	11.05	25.05	26.05	20.06	21.06	05.07	06.07	19.07	20.07	26.07
Trasporto su gomma		3.8	9.7	9.9	6.2	9.8	9.4	7.4	1.3	6.0
Trasporto navale		6.8	1.6	0.0	4.5	0.0	0.0	0.7	0.0	0.0
Combustione legno		38.1	0.0	0.0	0.0	0.0	0.0	8.2	28.2	7.3
Combustione vegetazione		0.0	1.2	4.3	7.2	6.4	0.2	1.4	8.2	8.9
Crostante/terrigeno		14.5	0.4	28.2	30.1	18.2	0.0	0.0	0.0	0.0
Aerosol marino		0.0	0.6	0.0	0.0	4.2	0.6	0.8	3.4	4.1
Trattamento rifiuti		14.7	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0
Secondario organico		0.0	20.5	26.9	26.2	24.9	23.4	27.1	19.1	17.3
Secondario nitrati		5.6	2.5	4.2	1.4	1.3	1.5	0.8	0.6	1.8
Secondario solfati		16.8	63.2	22.8	21.3	34.7	61.9	53.6	33.6	45.3
Energia		0.0	0.2	3.6	3.0	0.2	2.3	0.3	5.5	9.3
Totale della massa spiegata ($\mu\text{g}/\text{m}^3$)		14.7	21.5	17.8	22.5	16.6	17.2	18.0	18.8	28.2
Percentuale massa spiegata (%)		92	102	87	90	93	97	104	84	81

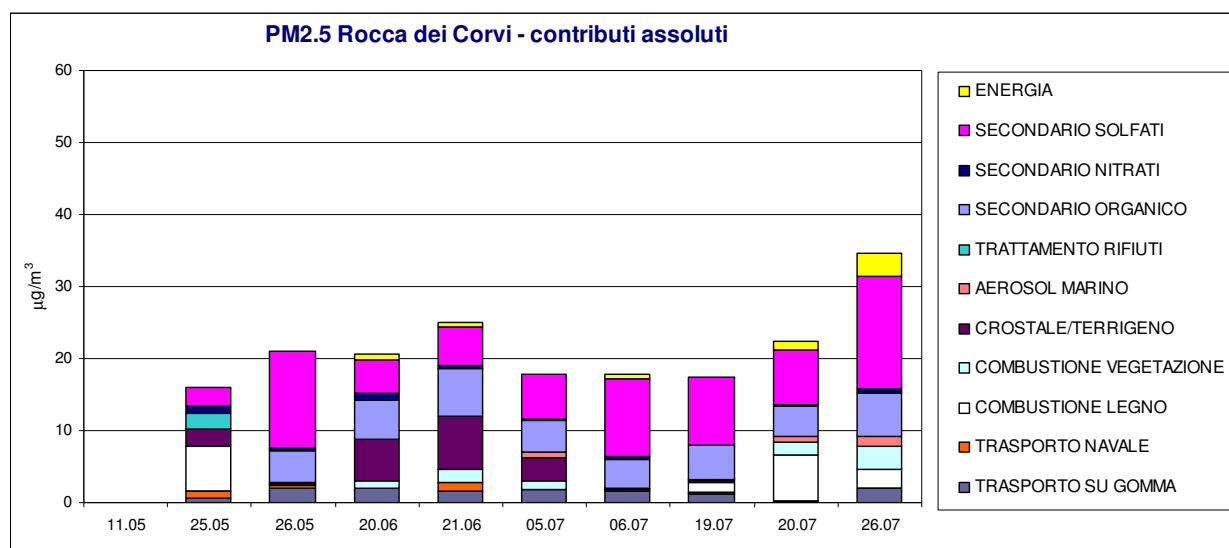
I contributi percentuali mediati sulle nove giornate campionate producono la ripartizione illustrata nella figura seguente.



I valori assoluti in $\mu\text{g}/\text{m}^3$ scalati sulla reale massa campionata sono riportati nella tabella seguente.

Giornate	11.05	25.05	26.05	20.06	21.06	05.07	06.07	19.07	20.07	26.07
Trasporto su gomma		0.6	2.0	2.0	1.6	1.8	1.7	1.3	0.3	2.1
Trasporto navale		1.1	0.3	0.0	1.1	0.0	0.0	0.1	0.0	0.0
Combustione legno		6.1	0.0	0.0	0.0	0.0	0.0	1.4	6.3	2.5
Combustione vegetazione		0.0	0.3	0.9	1.8	1.1	0.0	0.2	1.8	3.1
Crostante/terrigeno		2.3	0.1	5.8	7.5	3.3	0.0	0.0	0.0	0.0
Aerosol marino		0.0	0.1	0.0	0.0	0.7	0.1	0.1	0.8	1.4
Trattamento rifiuti		2.4	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
Secondario organico		0.0	4.3	5.5	6.6	4.5	4.2	4.7	4.3	6.0
Secondario nitrati		0.9	0.5	0.9	0.3	0.2	0.3	0.1	0.1	0.6
Secondario solfati		2.7	13.3	4.7	5.4	6.2	10.9	9.3	7.5	15.7
Energia		0.0	0.0	0.8	0.7	0.0	0.4	0.0	1.2	3.2
Totale massa campionata ($\mu\text{g}/\text{m}^3$)		16.1	21.0	20.6	25.1	17.9	17.7	17.4	22.4	34.6

I contributi assoluti delle nove giornate campionate presso la stazione di Rocca dei Corvi vengono di seguito illustrati.



Anche per questa postazione, si evidenzia una distribuzione dei contributi abbastanza articolata, attribuibile qui alla duplice presenza di contributi antropogenici e biogenici, tipici di questa postazione isolata in ambiente boschivo e residenziale. Sono presenti con una rilevante presenza, confermando le risultanze del PM10, la *combustione legno*, e la *combustione vegetazione* oltre al *crostante terrigeno*.

La sorgente *energia* presenta un contributo non elevato anche se per più della metà dei casi.

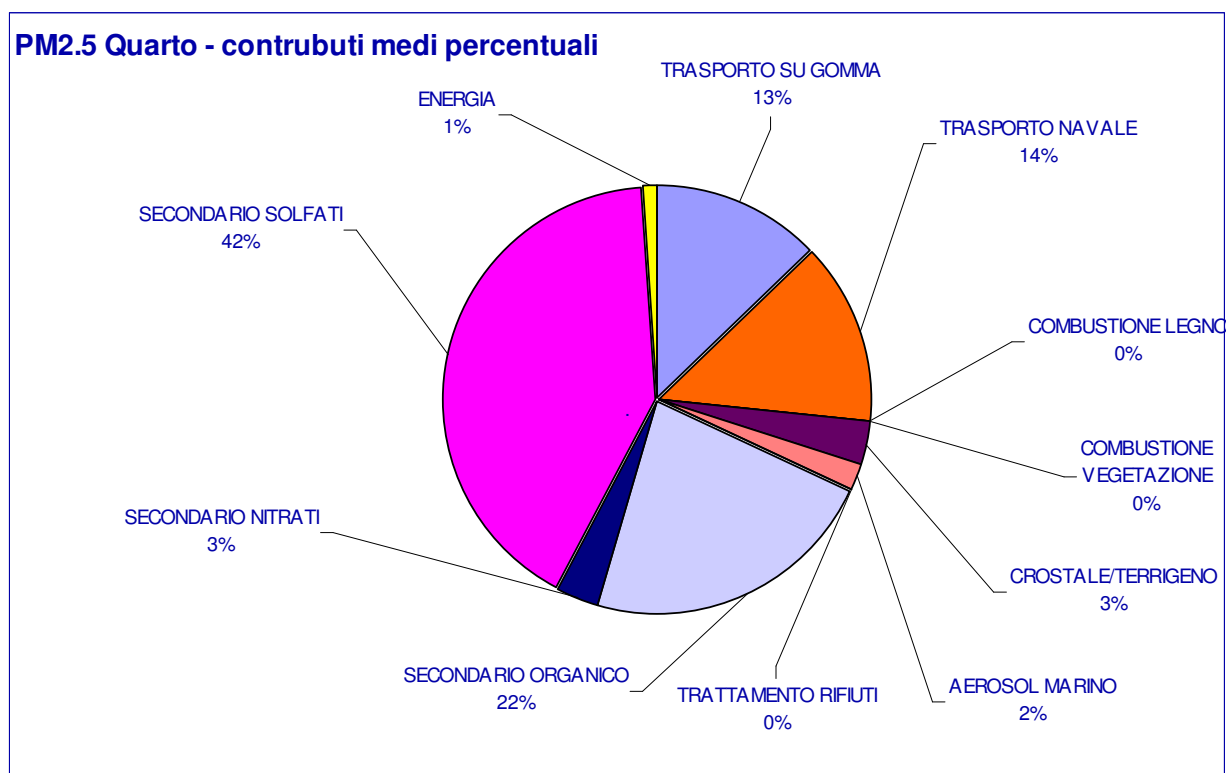
In termini assoluti il *particolato secondario*, presente sia in forma organica che inorganica, non si presenta elevato.

4.2.4 Quarto

I diversi campionamenti effettuati nella postazione di Quarto rivelano un'attribuzione alle sorgenti presenti sul territorio nelle percentuali riportate in tabella.

Giornate	11.05	25.05	26.05	20.06	21.06	05.07	06.07	19.07	20.07	26.07
Trasporto su gomma	21.8	5.4	19.8	7.5	8.4			18.8	20.5	0.7
Trasporto navale	14.2	8.8	14.5	53.1	5.3			3.2	6.6	5.3
Combustione legno	0.0	0.0	0.0	0.0	0.0			0.0	0.0	0.0
Combustione vegetazione	0.0	0.0	0.0	0.0	0.0			0.0	0.0	0.0
Crostone/terrigeno	0.5	0.3	4.6	0.0	0.0			0.0	0.0	20.4
Aerosol marino	0.0	1.6	0.0	0.5	0.7			8.9	2.7	1.6
Trattamento rifiuti	0.0	0.0	0.0	0.0	0.0			0.0	0.0	0.0
Secondario organico	19.5	16.3	20.6	19.8	32.2			27.2	21.8	22.5
Secondario nitrati	6.1	8.3	2.5	3.8	4.5			0.4	1.0	0.4
Secondario solfati	34.2	59.0	38.0	13.4	49.0			40.7	46.2	47.6
Energia	3.7	0.0	0.1	2.0	0.0			0.9	1.1	1.8
Totale della massa spiegata ($\mu\text{g}/\text{m}^3$)	5.9	10.2	16.0	22.7	24.9			12.1	16.5	24.5
Percentuale massa spiegata (%)	84	81	83	118	93			86	84	81

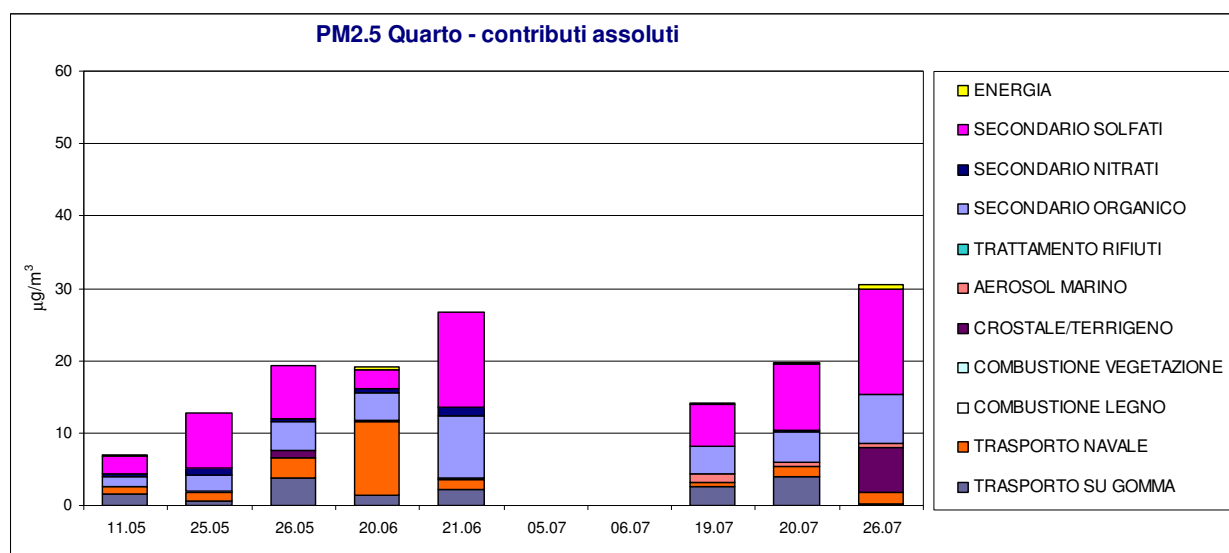
I contributi percentuali mediati sulle otto giornate campionate producono la ripartizione illustrata nella figura seguente.



I valori assoluti in $\mu\text{g}/\text{m}^3$ scalati sulla reale massa campionata sono riportati nella tabella seguente.

Giornate	11.05	25.05	26.05	20.06	21.06	05.07	06.07	19.07	20.07	26.07
Trasporto su gomma	1.5	0.7	3.8	1.4	2.2			2.6	4.0	0.2
Trasporto navale	1.0	1.1	2.8	10.2	1.4			0.5	1.3	1.6
Combustione legno	0.0	0.0	0.0	0.0	0.0			0.0	0.0	0.0
Combustione vegetazione	0.0	0.0	0.0	0.0	0.0			0.0	0.0	0.0
Crostone/terrigeno	0.0	0.0	0.9	0.0	0.0			0.0	0.0	6.2
Aerosol marino	0.0	0.2	0.0	0.1	0.2			1.3	0.5	0.5
Trattamento rifiuti	0.0	0.0	0.0	0.0	0.0			0.0	0.0	0.0
Secondario organico	1.4	2.1	4.0	3.8	8.6			3.8	4.3	6.8
Secondario nitrati	0.4	1.1	0.5	0.7	1.2			0.1	0.2	0.1
Secondario solfati	2.4	7.5	7.3	2.6	13.1			5.7	9.1	14.5
Energia	0.3	0.0	0.0	0.4	0.0			0.1	0.2	0.5
Totale massa campionata ($\mu\text{g}/\text{m}^3$)	7.0	12.7	19.3	19.2	26.7			14.1	19.7	30.4

I contributi assoluti delle otto giornate campionate presso la stazione di Quarto, vengono di seguito illustrati.



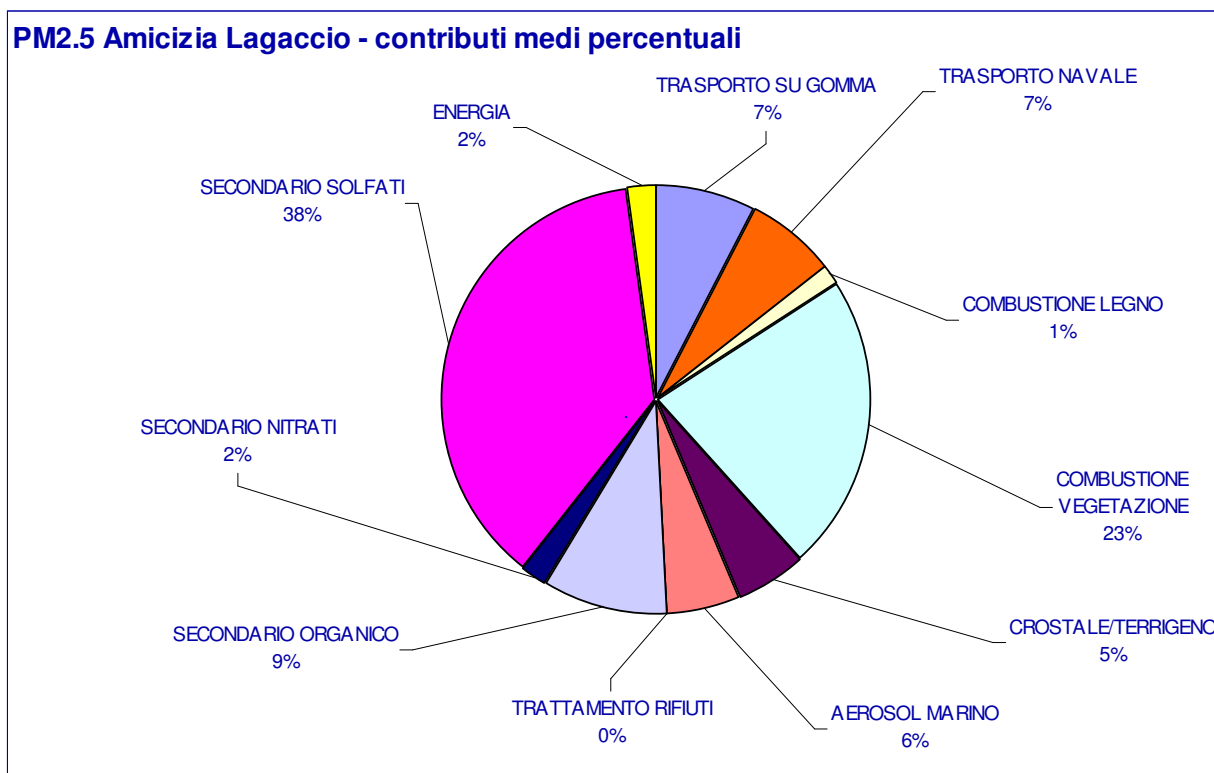
Si evidenzia un elevato contributo delle sorgenti antropogeniche *trasporto su gomma* e *trasporto navale*, evidenti cause della formazione del particolato secondario. La quota di particolato secondario solfati ed organico è la più rilevante. I nitrati risultano pressoché trascurabili e in alcuni giorni non presenti. La sorgente *energia* presenta basse ricadute e la distribuzione delle percentuali risulta simile a quella della postazione di porto Antico.

4.2.5 Lagaccio

I diversi campionamenti effettuati nella postazione di Lagaccio rivelano un'attribuzione alle sorgenti presenti sul territorio nelle percentuali riportate in tabella.

Giornate	11.05	25.05	26.05	20.06	21.06	05.07	06.07	19.07	20.07	26.07
Trasporto su gomma				0.0	10.1	4.9	2.3	5.7	7.9	21.5
Trasporto navale				7.5	10.2	3.4	4.7	8.6	11.4	3.1
Combustione legno				10.3	0.0	0.0	0.0	0.0	0.0	0.0
Combustione vegetazione				36.8	9.5	10.4	51.0	42.8	0.0	5.7
Crostante/terrigeno				0.0	4.8	14.4	2.9	3.3	6.9	4.0
Aerosol marino				0.4	6.3	27.3	6.0	0.0	0.0	0.0
Trattamento rifiuti				0.0	0.0	0.0	0.0	0.1	0.0	0.0
Secondario organico				5.8	21.3	5.9	0.0	0.0	15.8	16.3
Secondario nitrati				2.6	3.5	1.0	0.8	4.2	0.7	0.9
Secondario solfati				36.4	31.6	27.9	29.1	30.5	57.3	48.4
Energia				0.0	2.5	4.8	3.4	4.6	0.2	0.0
Totale della massa spiegata ($\mu\text{g}/\text{m}^3$)				14.7	21.7	27.9	24.6	16.0	24.6	27.1
Percentuale massa spiegata (%)				90	85	81	111	91	100	81

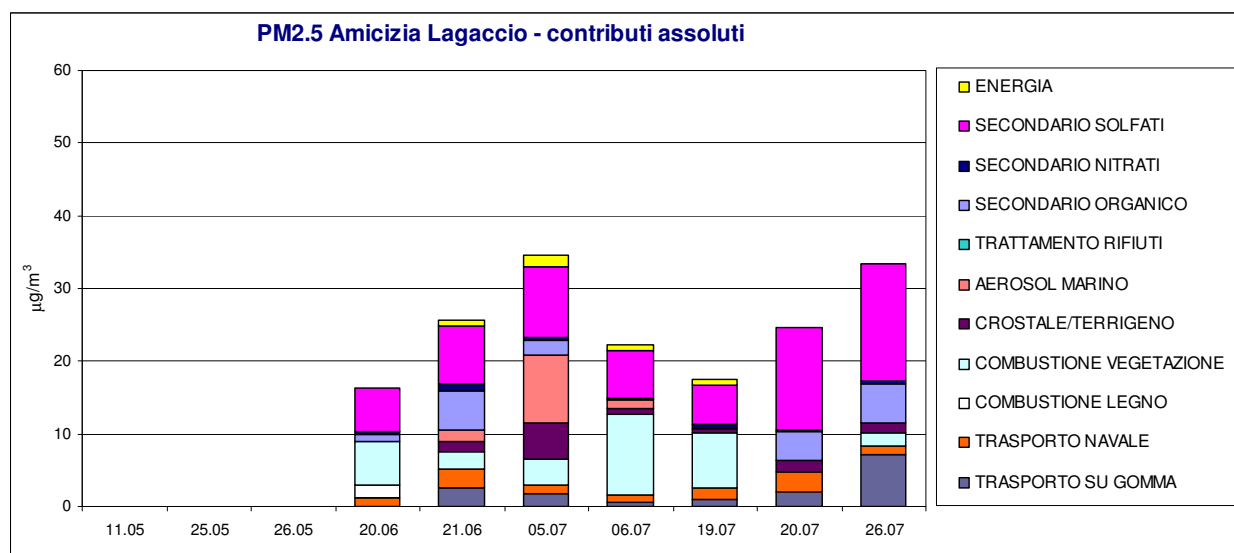
I contributi percentuali mediati sulle sette giornate campionate producono la ripartizione illustrata nella figura seguente.



I valori assoluti in $\mu\text{g}/\text{m}^3$ scalati sulla reale massa campionata sono riportati nella tabella seguente.

Giornate	11.05	25.05	26.05	20.06	21.06	05.07	06.07	19.07	20.07	26.07
Trasporto su gomma				0.0	2.6	1.7	0.5	1.0	1.9	7.2
Trasporto navale				1.2	2.6	1.2	1.0	1.5	2.8	1.0
Combustione legno				1.7	0.0	0.0	0.0	0.0	0.0	0.0
Combustione vegetazione				6.0	2.4	3.6	11.3	7.5	0.0	1.9
Crostone/terrigeno				0.0	1.2	5.0	0.6	0.6	1.7	1.3
Aerosol marino				0.1	1.6	9.4	1.3	0.0	0.0	0.0
Trattamento rifiuti				0.0	0.0	0.0	0.0	0.0	0.0	0.0
Secondario organico				1.0	5.4	2.0	0.0	0.0	3.9	5.4
Secondario nitrati				0.4	0.9	0.3	0.2	0.7	0.2	0.3
Secondario solfati				6.0	8.1	9.6	6.4	5.4	14.2	16.2
Energia				0.0	0.7	1.7	0.8	0.8	0.0	0.0
Totale massa campionata ($\mu\text{g}/\text{m}^3$)				16.4	25.6	34.6	22.2	17.6	24.7	33.5

I contributi assoluti delle sette giornate campionate presso la stazione di Amicizia Lagaccio, vengono di seguito illustrati.



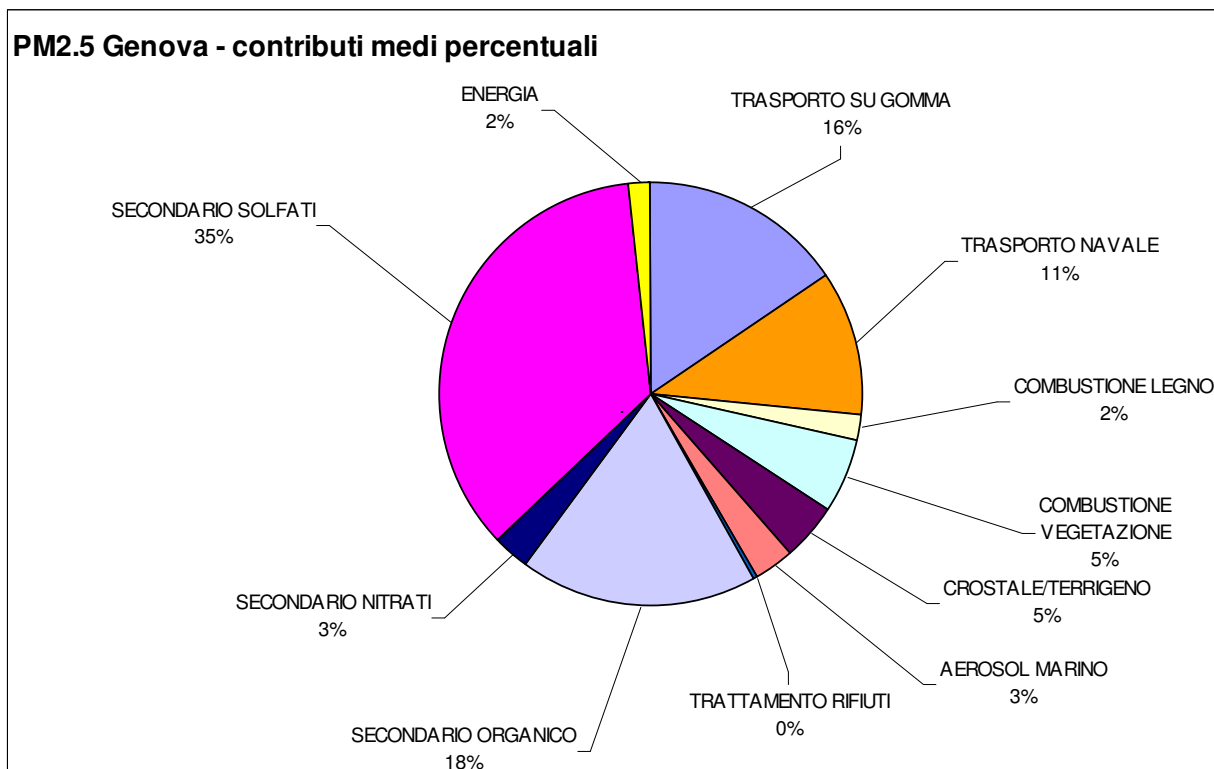
Analogamente a quanto riscontrato per il PM10, si evidenzia una distribuzione dei contributi abbastanza articolata, attribuibile alla duplice presenza di contributi antropogenici e biogenici, con la presenza rilevante di *combustione legno*, *combustione vegetazione*, *crostone terrigeno* ed *aerosol marino*.

La sorgente *energia* presenta un contributo non trascurabile, osservabile 4 giorni su 7.

4.2.6 Media PM2.5 su Genova

I contributi medi percentuali dei campionamenti effettuati nelle diverse postazioni, già rappresentati solo graficamente nei parametri precedenti, sono riportati nella tabella seguente.

	Molteni -	Porto Antico	Rocca dei Corvi -	Quarto	Lagaccio -
Trasporto su gomma	42.59	7.65	7.07	12.86	7.49
Trasporto navale	13.42	19.70	1.51	13.87	6.99
Combustione legno	0.00	0.00	9.09	0.00	1.48
Combustione vegetazione	0.00	0.69	4.19	0.00	22.32
Crostone/terrigeno	0.00	4.21	10.14	3.22	5.20
Aerosol marino	1.91	3.25	1.51	2.00	5.71
Trattamento rifiuti	0.09	0.00	1.72	0.00	0.01
Secondario organico	18.02	20.29	20.60	22.48	9.29
Secondario nitrati	3.16	2.70	2.18	3.37	1.96
Secondario solfati	18.79	41.04	39.26	41.00	37.30
Energia	2.04	0.47	2.72	1.20	2.22



La distribuzione dei contributi percentuale mediata sulle 5 postazioni conferma in buona parte quella già ottenuta per il PM10. L'apporto della Centrale è pari al 2%, riferito alla componente primaria, notevolmente inferiore a quello del *trasporto su gomma* e del *trasporto navale* entrambi pari al 7%. Sono presenti in maniera non trascurabile anche la *combustione della vegetazione e del legno*, il *crostone terrigeno* e l'*aerosol marino*.

Il restante 56% risulta associabile al particolato secondario, con la prevalenza del contributo dei solfati e della componente organica rispetto ai nitrati. Esso è attribuibile non solo alle emissioni antropogeniche, ma anche a quelle biogeniche e/o naturali, ed è legato non solo alle sorgenti locali, ma deriva in larga parte dal trasporto a lunga distanza.

4.3 VOC: attribuzione dei contributi per macrosettore

L'associazione tra il profilo di emissione ed il macrosettore ha permesso di attribuire a ciascuno di questi ultimi per ognuna delle 38 elaborazioni, il relativo contributo.

Si riportano nel seguito in tabella ed in grafico i valori percentuali, per ogni stazione di campionamento, espressi in termini di "massa spiegata".

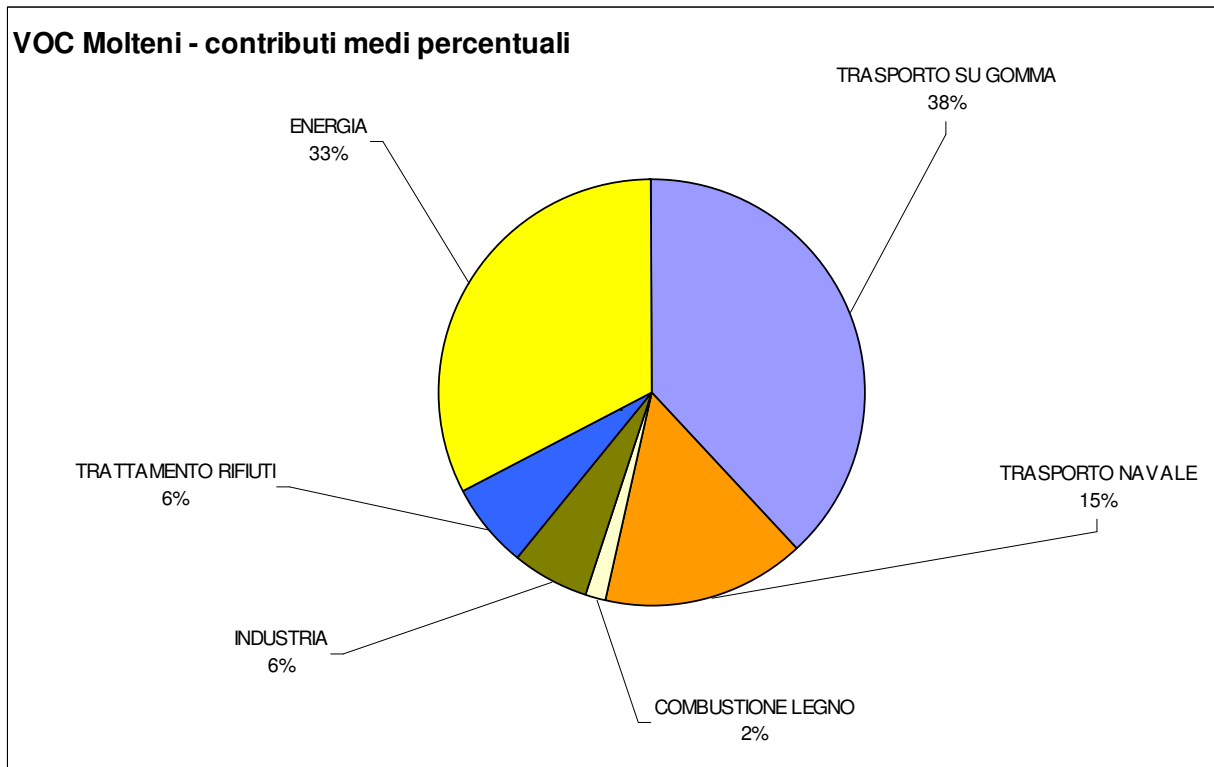
Per permettere il confronto fra le diverse elaborazioni, è necessario normalizzare i singoli contributi rispetto alla reale massa campionata. Si riportano nel seguito in tabella ed in grafico i valori assoluti, per ogni stazione di campionamento, espressi in termini di "massa campionata".

4.3.1 Molteni

I diversi campionamenti effettuati nella postazione di Via Molteni rivelano un'attribuzione alle sorgenti presenti sul territorio nelle percentuali riportate in tabella.

Giornate	11.05	25.05	26.05	20.06	21.06	05.07	06.07	19.07	20.07	26.07
Trasporto su gomma	41.3	40.5	43.3	45.7	33.2	27.4	23.8	48.9	47,6	18,3
Trasporto navale	16.1	1.6	4.9	19.2	12.8	23.0	14.0	18.8	22,2	18,6
Combustione legno	0.0	0.0	0.0	0.0	3.6	3.5	0.0	2.8	3,1	2,0
Industria	0.7	28.5	14.1	2.0	12.3	0.0	0.0	0.0	0,0	0,0
Trattamento rifiuti	5.6	6.2	0.0	0.0	10.4	10.2	6.5	8.9	8,9	6,0
Energia	36.2	23.2	37.8	33.1	27.7	35.7	31.7	20.6	18,2	55,1
Totale della massa spiegata ($\mu\text{g}/\text{m}^3$)	2460	2211	2117	2168	1241	1256	1967	1529	1400	2125
Percentuale massa spiegata (%)	116	106	101	105	79	86	110	82	85	111

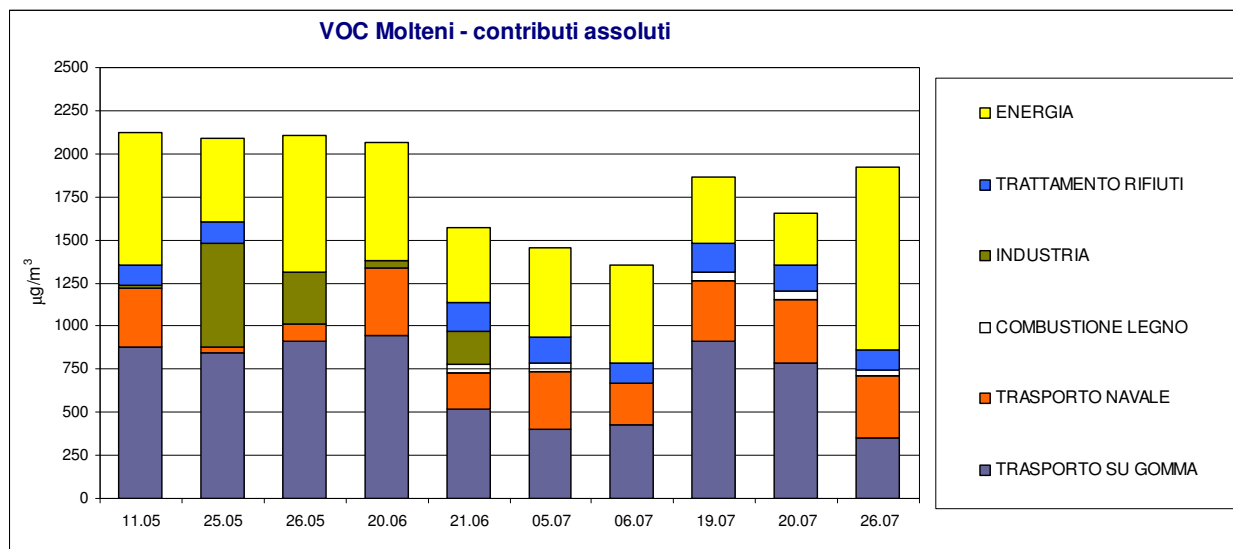
I contributi percentuali mediati sulle dieci giornate campionate producono la ripartizione illustrata nella figura seguente.



I valori assoluti in $\mu\text{g}/\text{m}^3$ scalati sulla reale massa campionata sono riportati nella tabella seguente.

Giornate	11.05	25.05	26.05	20.06	21.06	05.07	06.07	19.07	20.07	26.07
Trasporto su gomma	877	848	912	943	523	399	424	913	787	352
Trasporto navale	342	33	102	396	201	334	249	350	367	358
Combustione legno	0	0	0	0	56	51	0	52	51	39
Industria	15	597	297	41	193	0	0	0	0	0
Trattamento rifiuti	120	131	0	0	163	149	115	166	148	116
Energia	768	486	796	682	436	520	565	385	301	1059
Totale massa campionata	2122	2094	2106	2064	1572	1453	1353	1867	1653	1923

I contributi assoluti delle dieci giornate campionate presso la stazione di Via Molteni, vengono di seguito illustrati.



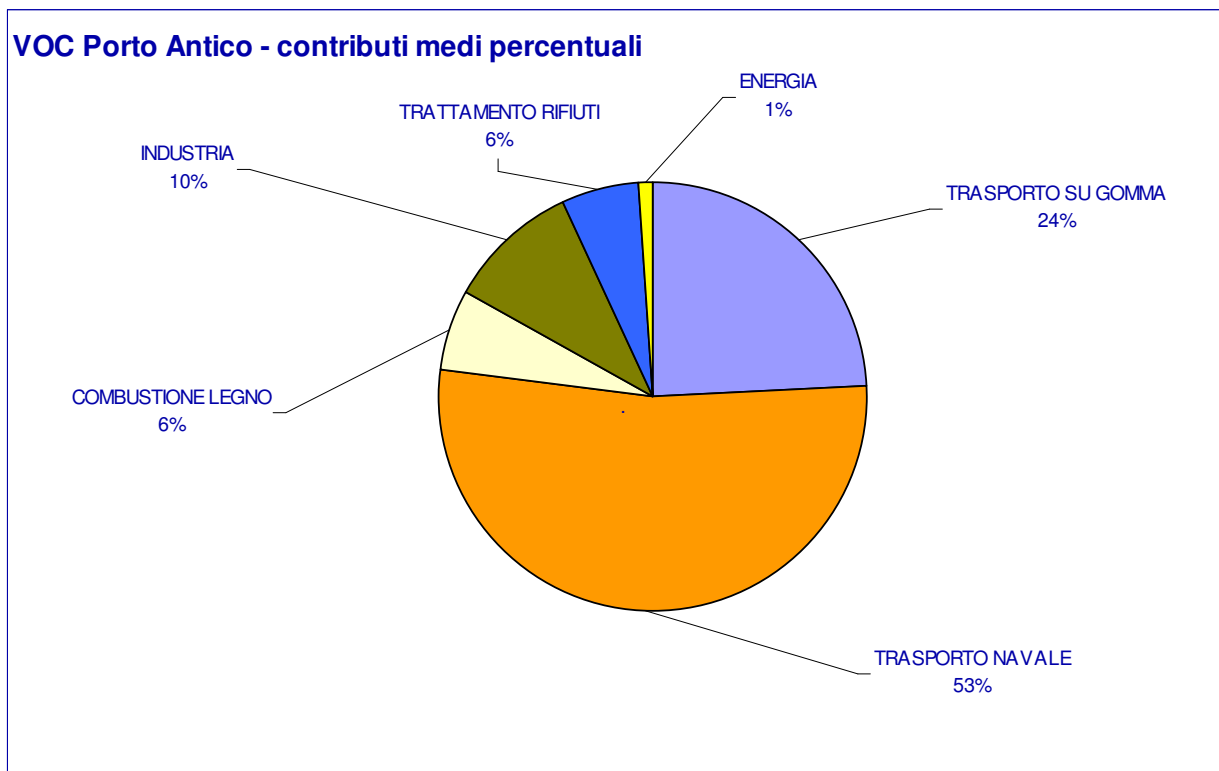
Si evidenzia un elevato contributo delle sorgenti antropogeniche *trasporto su gomma* ed, in misura minore del *trasporto navale*, oltre alla componente *industria* (con distribuzione non omogenea nelle diverse giornate). La sorgente *energia* presenta significative ricadute in tutte le giornate.

4.3.2 Porto Antico

I diversi campionamenti effettuati nella postazione di Porto Antico rivelano un'attribuzione alle sorgenti presenti sul territorio nelle percentuali riportate in tabella.

Giornate	11.05	25.05	26.05	20.06	21.06	05.07	06.07	19.07	20.07	26.07
Trasporto su gomma	41.9	21.1	9.5							
Trasporto navale	43.1	61.9	52.6							
Combustione legno	5.3	6.6	6.7							
Industria	9.7	9.7	10.2							
Trattamento rifiuti	0.0	0.0	17.8							
Energia	0.0	0.0	3.2							
Totale della massa spiegata ($\mu\text{g}/\text{m}^3$)	807	764	818							
Percentuale massa spiegata (%)	85	103	113							

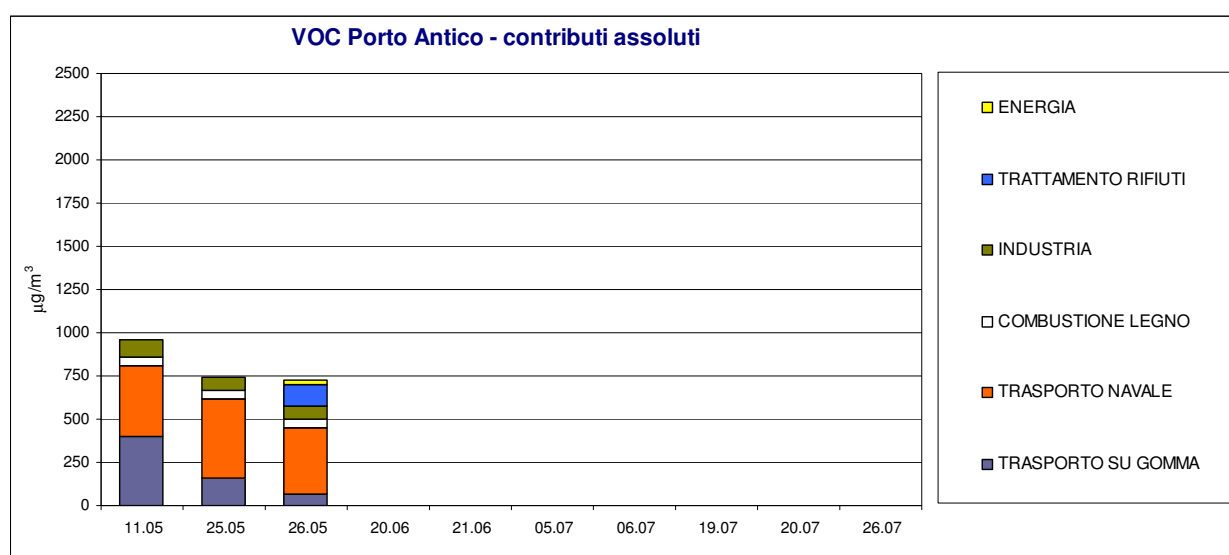
I contributi percentuali mediati sulle tre giornate campionate producono la ripartizione illustrata nella figura seguente.



I valori assoluti in $\mu\text{g}/\text{m}^3$ scalati sulla reale massa campionata sono riportati nella tabella seguente.

Giornate	11.05	25.05	26.05	20.06	21.06	05.07	06.07	19.07	20.07	26.07
Trasporto su gomma	399	157	69							
Trasporto navale	411	460	382							
Combustione legno	51	49	49							
Industria	93	72	74							
Trattamento rifiuti	0	0	130							
Energia	0	0	23							
Totale massa campionata ($\mu\text{g}/\text{m}^3$)	954	738	726							

I contributi assoluti delle tre giornate campionate presso la stazione di Via Porto Antico, vengono di seguito illustrati.



Nel caso di Porto Antico le giornate osservate presentano contributi simili: elevato e costante contributo del *trasporto navale*, contributi antropogenici non trascurabili, derivanti dal *trasporto su gomma*, e in modo minore dalla componente *industria*. Si conferma la presenza del contributo da *combustione legno* che appare limitato, ma costante.

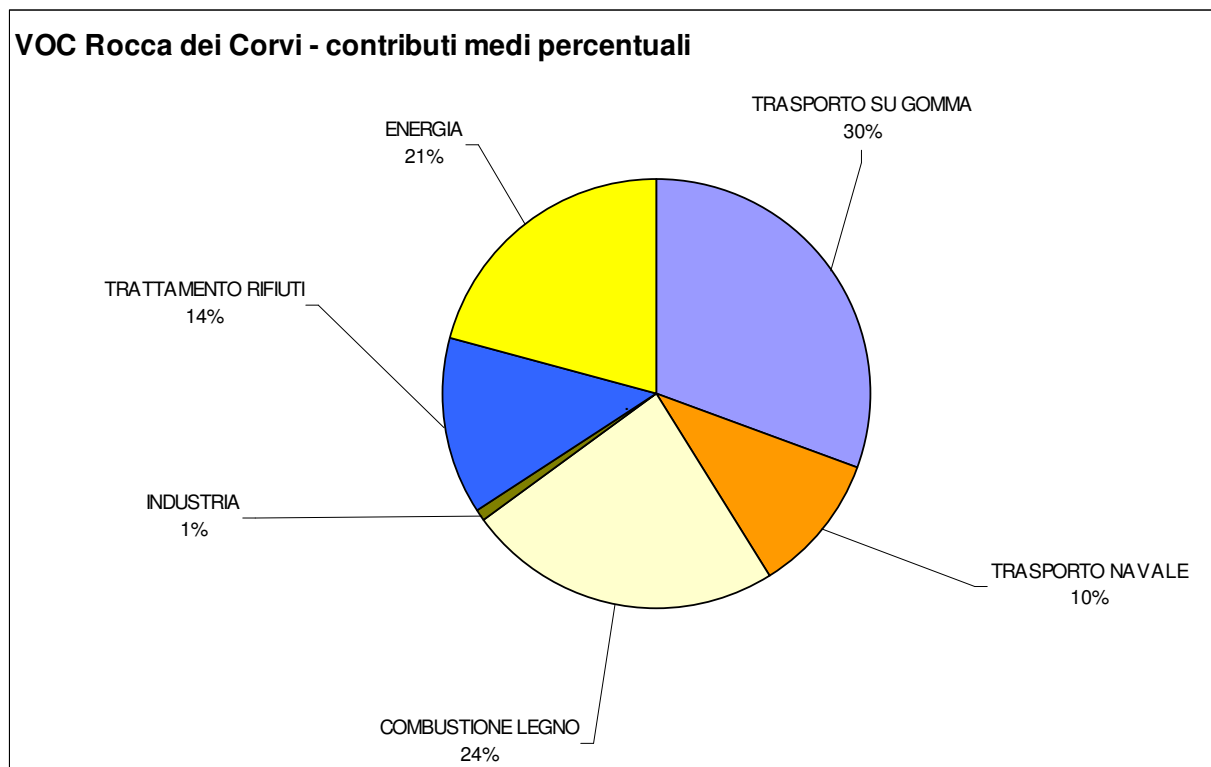
Analogamente al PM10 ed al PM2.5, anche per i VOC, si presenta un solo caso di riconoscimento dell'influenza della centrale (*energia*). Nella stessa giornata si è avuto anche il solo caso per il contributo del *trattamento rifiuti*.

4.3.3 Rocca dei Corvi

I diversi campionamenti effettuati nella postazione di Rocca dei Corvi rivelano un'attribuzione alle sorgenti presenti sul territorio nelle percentuali riportate in tabella.

Giornate	11.05	25.05	26.05	20.06	21.06	05.07	06.07	19.07	20.07	26.07
Trasporto su gomma	49.5	19.0	14.7	4,9	15.7	57.8	54.2	38.8	4.9	47.3
Trasporto navale	4.2	0.0	0.0	25,0	3.0	0.0	21.5	25.2	25.0	0.0
Combustione legno	25.0	26.7	55.6	2,4	62.0	19.7	4.3	3.4	2.4	38.7
Industria	0.9	1.3	0.0	0,0	3.6	0.0	0.0	0.0	0.0	0.2
Trattamento rifiuti	0.0	44.8	18.3	7,2	0.0	18.5	14.0	11.6	7.2	13.8
Energia	20.5	8.1	11.3	60,5	15.7	3.9	5.9	20.9	60.5	0.0
Totale della massa spiegata ($\mu\text{g}/\text{m}^3$)	751	519	764	1050	1460	737	971	1232	1806	947
Percentuale massa spiegata (%)	80	84	85	118	88	85	85	88	118	83

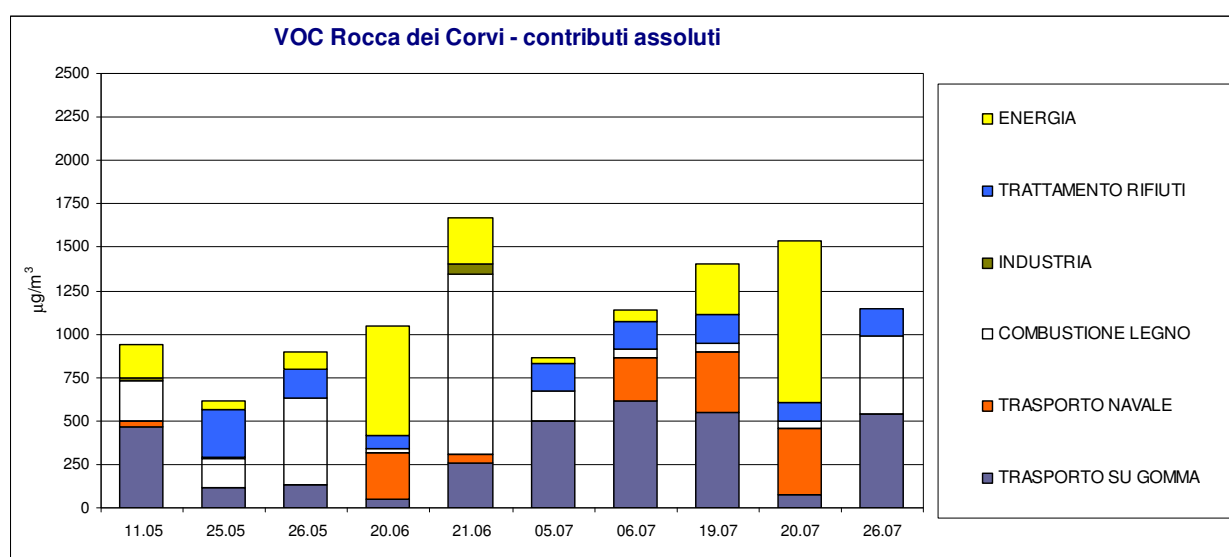
I contributi percentuali mediati sulle dieci giornate campionate producono la ripartizione illustrata nella figura seguente.



I valori assoluti in $\mu\text{g}/\text{m}^3$ scalati sulla reale massa campionata sono riportati nella tabella seguente.

Giornate	11.05	25.05	26.05	20.06	21.06	05.07	06.07	19.07	20.07	26.07
Trasporto su gomma	463	117	132	51	261	502	617	545	75	542
Trasporto navale	39	0	0	263	50	0	244	354	385	0
Combustione legno	233	165	499	25	1034	171	49	48	37	444
Industria	8	8	0	0	60	0	0	0	0	2
Trattamento rifiuti	0	276	165	75	0	161	160	163	110	158
Energia	191	50	101	636	262	34	67	293	930	0
Totale massa campionata ($\mu\text{g}/\text{m}^3$)	934	616	897	1050	1668	868	1137	1402	1536	1146

I contributi assoluti delle dieci giornate campionate presso la stazione di Rocca dei Corvi, vengono di seguito illustrati.



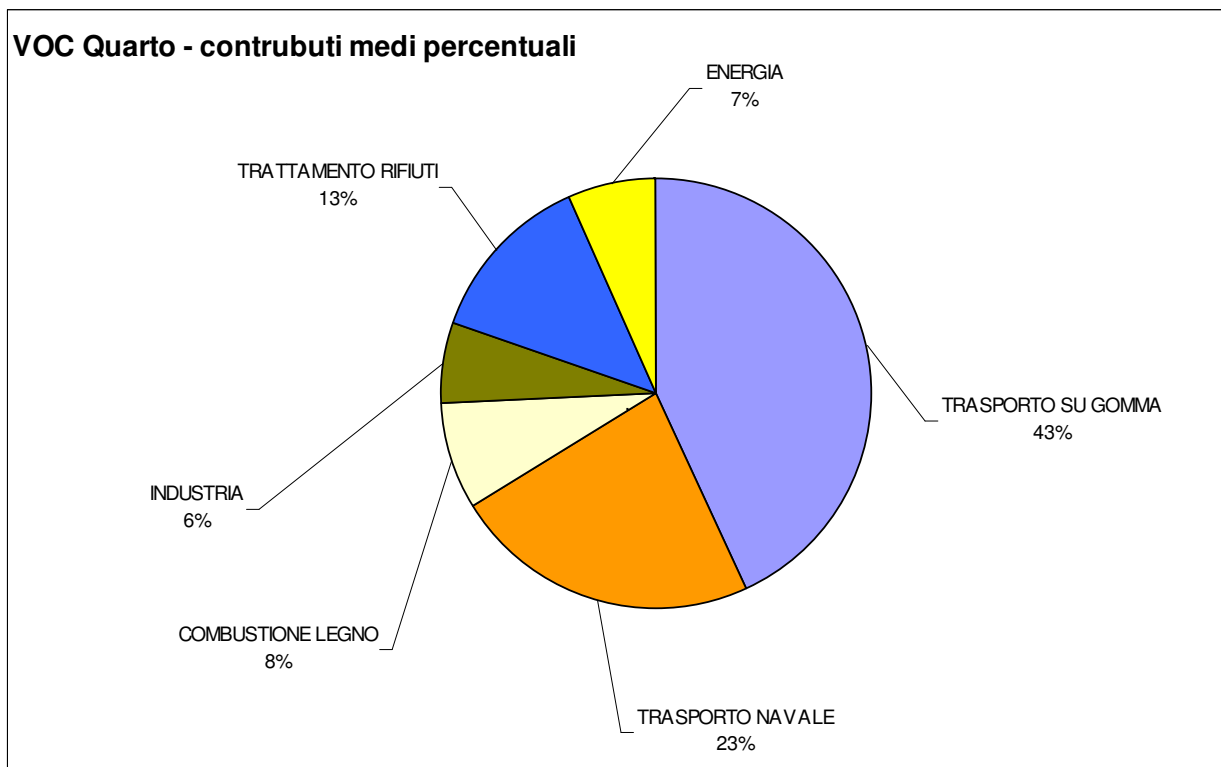
Analogamente al caso di PM10 e PM2.5 si conferma, nella formazione dei composti organici volatili, una influenza non trascurabile delle componenti *combustione legno* ed *energia*. Si evidenzia anche un elevato contributo del *trasporto su gomma* e una non trascurabile componente del *trattamento rifiuti*.

4.3.4 Quarto

I diversi campionamenti effettuati nella postazione di Quarto rivelano un'attribuzione alle sorgenti presenti sul territorio nelle percentuali riportate in tabella.

Giornate	11.05	25.05	26.05	20.06	21.06	05.07	06.07	19.07	20.07	26.07
Trasporto su gomma	39.6	58,5	58,1	74.2	24.9		71.0	25.9	26.6	8.7
Trasporto navale	36.9	0,0	0,0	0.0	36.5		0.0	56.6	41.4	36.3
Combustione legno	2.9	0,0	10,0	0.0	0.0		5.7	0.0	19.8	34.3
Industria	7.5	2,0	2,6	12.1	11.5		1.6	16.1	0.0	0.0
Trattamento rifiuti	10.7	39,5	29,3	0.0	0.0		16.6	0.0	12.3	10.5
Energia	2.4	0,0	0,0	13.7	27.0		5.0	1.3	0.0	10.1
Totale della massa spiegata ($\mu\text{g}/\text{m}^3$)	1514	797	437	1006	1364		793	1175	1015	1301
Percentuale massa spiegata (%)	119	95	81	84	83		90	85	92	92

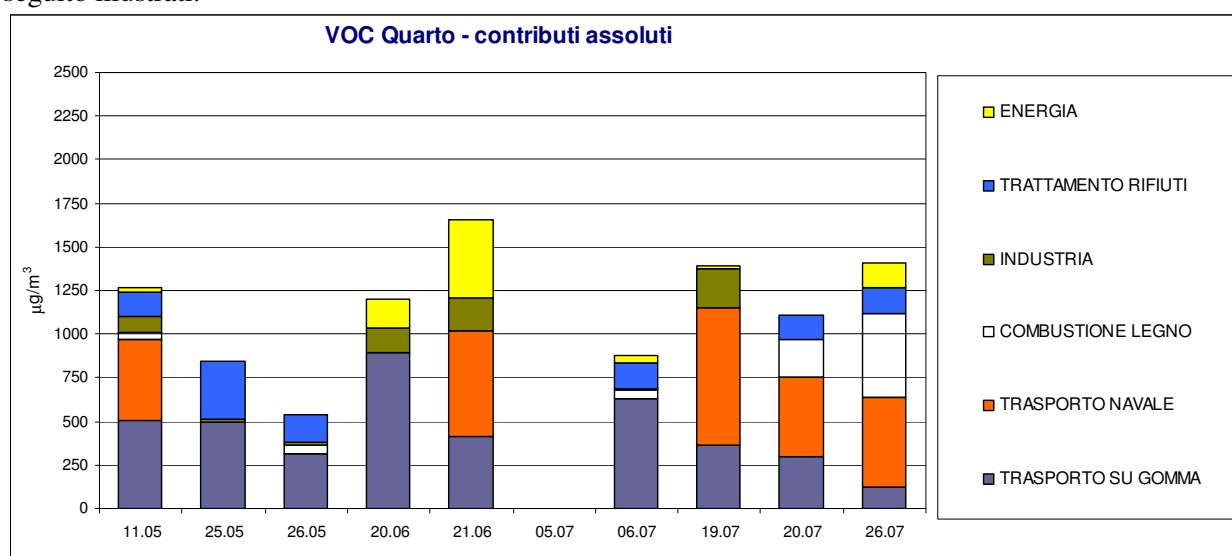
I contributi percentuali mediati sulle nove giornate campionate presso la stazione di Quarto, vengono di seguito illustrati.



I valori assoluti in $\mu\text{g}/\text{m}^3$ scalati sulla reale massa campionata sono riportati nella tabella seguente.

Giornate	11.05	25.05	26.05	20.06	21.06	05.07	06.07	19.07	20.07	26.07
Trasporto su gomma	503	493	314	892	412		627	360	294	123
Trasporto navale	469	0	0	0	603		0	787	458	512
Combustione legno	36	0	54	0	0		50	0	219	484
Industria	95	17	14	146	190		14	224	0	0
Trattamento rifiuti	136	332	158	0	0		146	0	136	148
Energia	30	0	0	165	447		44	19	0	143
Totale massa campionata ($\mu\text{g}/\text{m}^3$)	1270	842	540	1203	1652		881	1390	1106	1409

I contributi assoluti delle nove giornate campionate presso la stazione di Rocca dei Corvi, vengono di seguito illustrati.



Si evidenzia un elevato e costante contributo del *trasporto su gomma*. Contributi antropogenici non trascurabili, anche se non presenti in tutte le giornate, sono il *trasporto navale*, la componente *industria*, *l'energia* ed il *trattamento rifiuti*.

Presso Quarto si osserva in modo discontinuo anche l'influenza della *combustione legno* nella formazione di sostanze volatili.

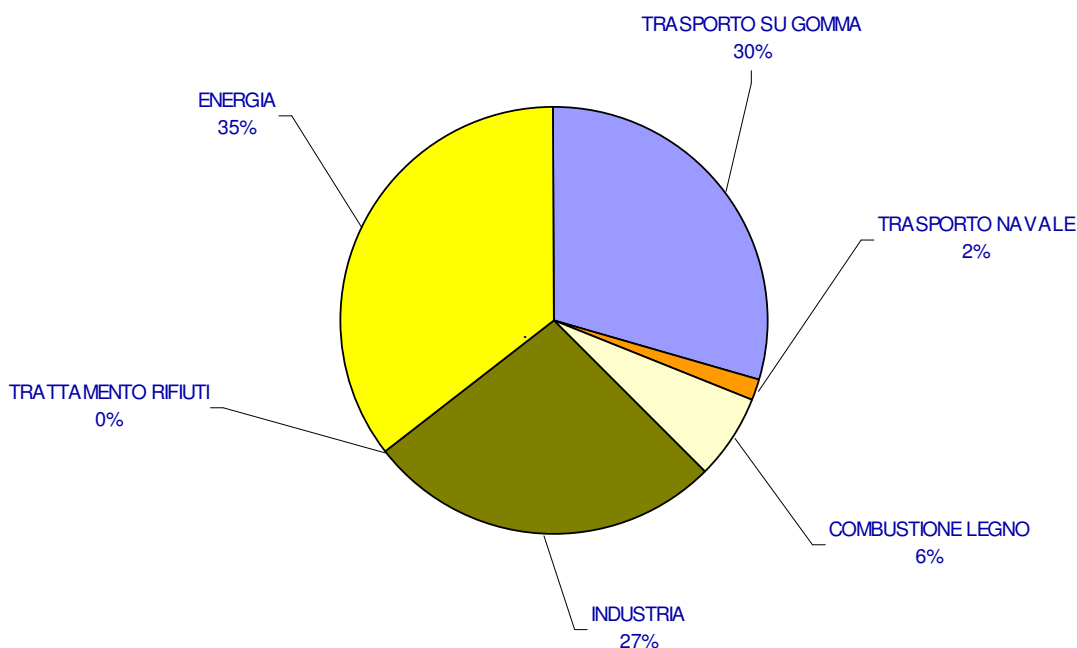
4.3.5 Lagaccio

I diversi campionamenti effettuati nella postazione di Amicizia Lagaccio rivelano un'attribuzione alle sorgenti presenti sul territorio nelle percentuali riportate in tabella.

Giornate	11.05	25.05	26.05	20.06	21.06	05.07	06.07	19.07	20.07	26.07
Trasporto su gomma				35.20	22.41	15.94	25.39	49.95	28.54	
Trasporto navale				0.00	2.87	0.00	0.00	0.00	6.22	
Combustione legno				21.47	4.34	3.66	3.13	2.50	2.65	
Industria				0.00	31.98	35.60	32.22	32.31	30.71	
Trattamento rifiuti				0.00	0.00	0.00	0.00	0.00	0.00	
Energia				43.33	38.42	44.76	39.31	15.23	31.91	
Totale della massa spiegata ($\mu\text{g}/\text{m}^3$)				1257	1003	1169	1395	1736	1651	
Percentuale massa spiegata (%)				78	82	106	109	104	84	

I contributi percentuali mediati sulle sei giornate campionate producono la ripartizione illustrata nella figura seguente.

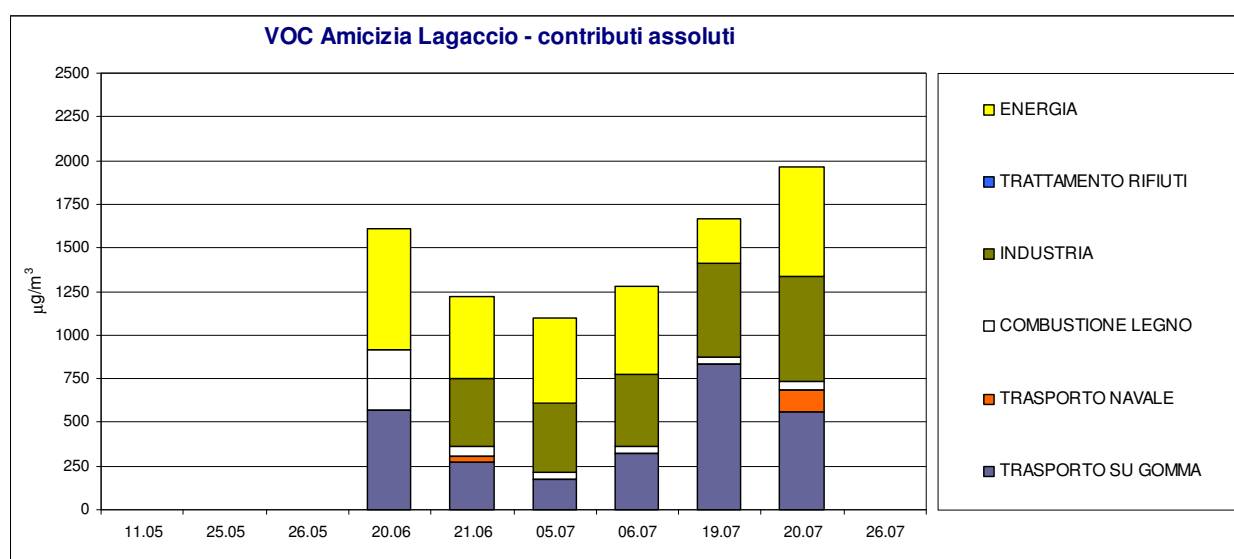
VOC Amicizia Lagaccio - contributi medi percentuali



I valori assoluti in $\mu\text{g}/\text{m}^3$ scalati sulla reale massa campionata sono riportati nella tabella seguente.

Giornate	11.05	25.05	26.05	20.06	21.06	05.07	06.07	19.07	20.07	26.07
Trasporto su gomma				567	273	175	324	834	561	
Trasporto navale				0	35	0	0	0	122	
Combustione legno				346	53	40	40	42	52	
Industria				0	390	391	411	539	603	
Trattamento rifiuti				0	0	0	0	0	0	
Energia				698	468	492	502	254	627	
Totale massa campionata ($\mu\text{g}/\text{m}^3$)				1610	1219	1099	1277	1669	1966	

I contributi assoluti delle sei giornate campionate presso la stazione di Amicizia Lagaccio, vengono di seguito illustrati.



Si conferma, rispetto al PM10 e PM2.5, l'evidente e costante contributo del *trasporto su gomma* e dell'*energia*. Anche la componente *industria* sembra presentare contributi non trascurabili in quasi tutte le giornate di campionamento.

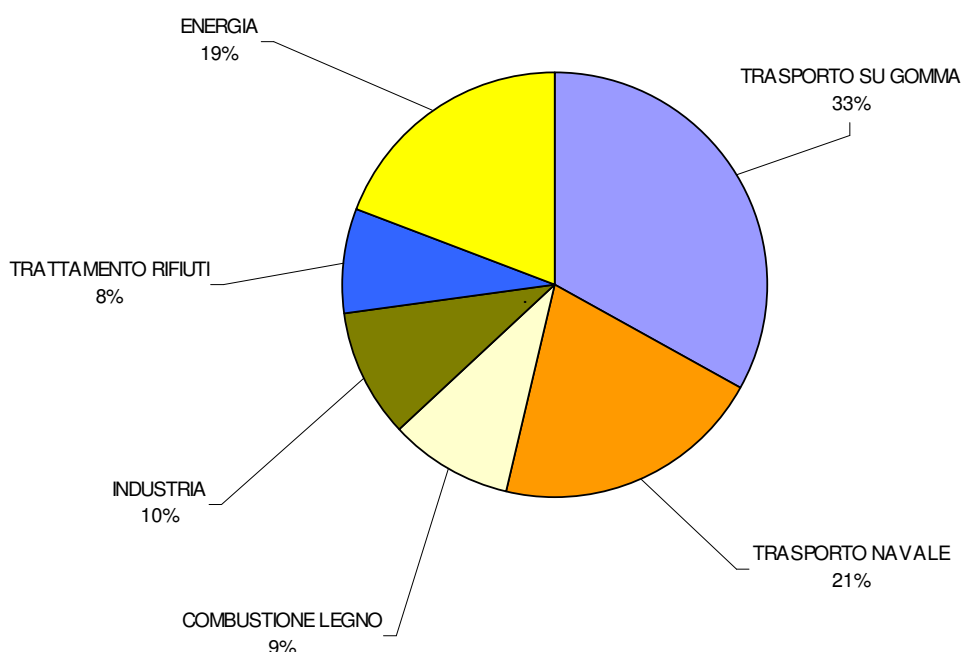
Si osserva in modo discontinuo anche se ridotto, l'influenza della *combustione legno* che risulta la più elevata rispetto alle altre postazioni.

4.3.6 Media VOC su Genova

I contributi medi percentuali dei campionamenti effettuati nelle diverse postazioni, già rappresentati solo graficamente nei parametri precedenti, sono riportati nella tabella seguente.

	Molteni -	Porto Antico	Rocca dei Corvi -	Quarto	Lagaccio -
Trasporto su gomma	37.01	24.16	30.68	43.08	29.57
Trasporto navale	15.11	52.51	10.39	23.09	1.52
Combustione legno	1.49	6.22	24.03	8.07	6.29
Industria	5.76	9.90	0.60	5.94	27.14
Trattamento rifiuti	6.28	5.95	13.54	13.20	0.00
Energia	31.94	1.06	20.74	6.61	35.49

VOC Genova - contributi medi percentuali



Nella matrice gassosa dei composti volatili si può evidenziare in media una distribuzione percentuale dei contributi che predilige ancora il trasporto su gomma (33%) seguito dal trasporto navale (21%) e successivamente dall'energia (19%). Il trattamento rifiuti, l'industria e la combustione del legno sono presenti in percentuale pressoché simile e pari a circa il 9%.

5 ANALISI DEL PARTICOLATO SECONDARIO

Il modello a recettore calcola un contributo non trascurabile per il particolato secondario, la cui incidenza presso l'intero comprensorio di Genova, in termini di PM10, rientra nel range 20% – 80%, con una media del 53%, corrispondente in valore assoluto a 18 $\mu\text{g}/\text{m}^3$; i risultati espressi in termini di PM2.5 forniscono valori nel range 6% – 90%, con una media del 52%, corrispondente in valore assoluto a 13 $\mu\text{g}/\text{m}^3$.

L'importanza di tale contributo e la variabilità ad esso associata, evidenze entrambe attribuibili alla molteplice origine del particolato secondario, ha suggerito la necessità di una più attenta analisi del contributo calcolato dal modello.

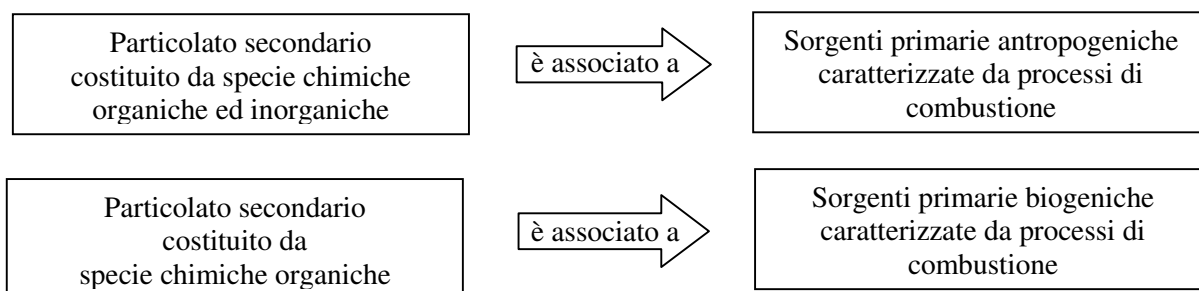
Tale analisi riguarda sia la collocazione e sia la tipologia della sorgente emissiva dei precursori del particolato secondario. Relativamente al primo aspetto si può ritenere che, in virtù della diversa cinetica nella formazione della componente primaria rispetto a quella secondaria, sorgenti prossime al punto recettore non possano apportare contributi rilevanti in termini di particolato secondario rispetto alla componente primaria, contrariamente a quanto si verifica per le sorgenti più distanti.

In pratica, se il rapporto

$\frac{\text{Particolato primario}}{\text{Particolato secondario}}$ è basso \Rightarrow Sorgente **distante** dal punto recettore

$\frac{\text{Particolato primario}}{\text{Particolato secondario}}$ è elevato \Rightarrow Sorgente **prossima** al punto recettore

Rispetto alle considerazioni sulle origini del particolato secondario, si è ritenuto utile scindere la componente chimica inorganica da quella organica, al fine di distinguere i contributi delle sorgenti antropiche da quelli delle sorgenti biogeniche alla formazione del particolato secondario. Poiché le sorgenti biogeniche, al contrario di quelle antropogeniche, originano, nella quasi totalità, particolato di natura organica², si può schematicamente formulare la seguente distinzione:



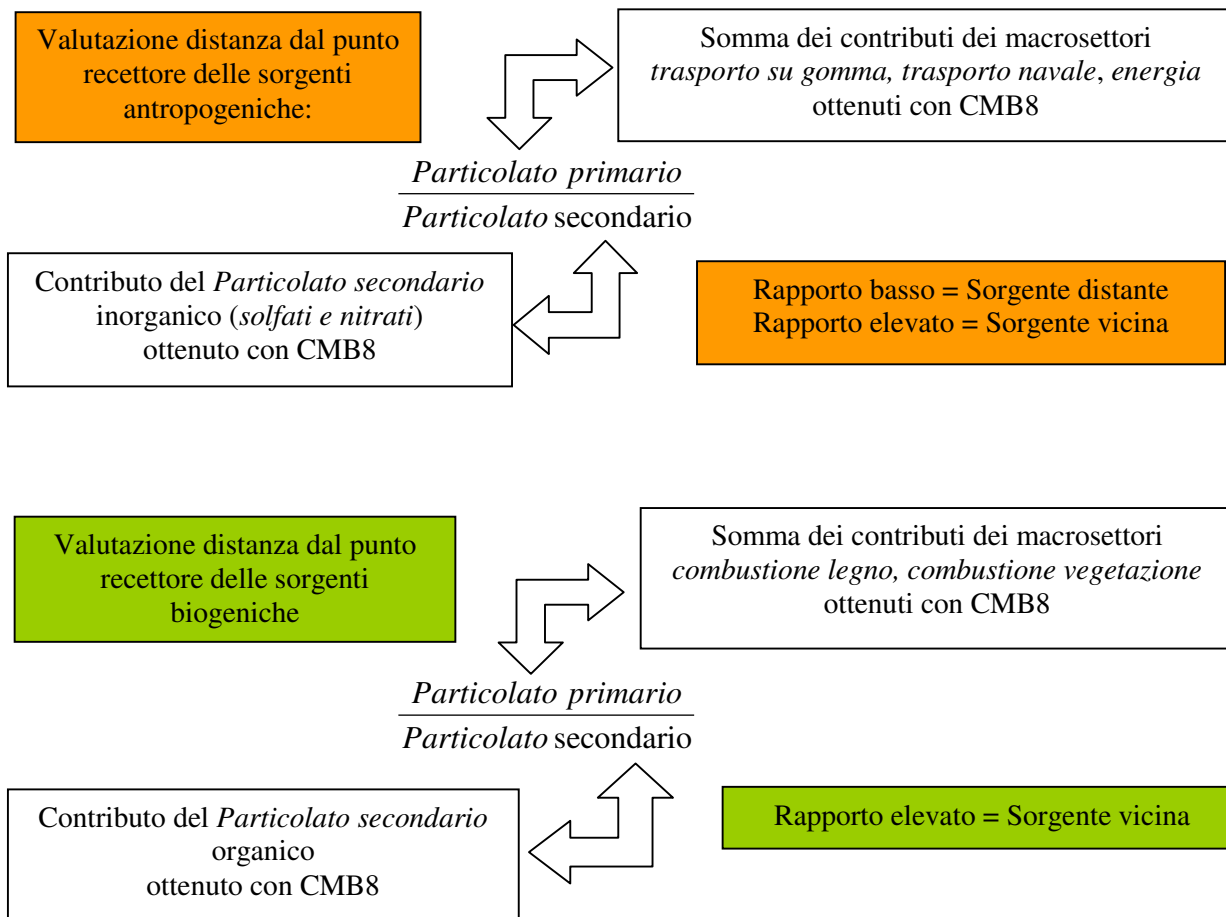
Ne consegue che il *Particolato secondario* di tipo inorganico, calcolato dal modello CMB, può essere attribuibile alle sole sorgenti antropogeniche: *trasporto su gomma, trasporto navale, energia*.

Il rapporto *Particolato primario/Particolato secondario* inorganico, è quindi indicativo della distanza delle sorgenti antropiche dal punto recettore.

² I profili delle sorgenti biogeniche associate a processi di combustione, non comprendono solfati e/o nitrati ma solo carbonio organico (Speciate 3.1)

Il *Particolato secondario* di tipo organico, calcolato dal modello CMB, può essere attribuibile sia alle sorgenti antropogeniche (*trasporto su gomma, trasporto navale, energia*), sia a quelle biogeniche (*combustione legno, combustione vegetazione*) entrambe caratterizzate da processi di combustione. Se nel rapporto *Particolato primario/Particolato secondario* organico, si esprime il numeratore con i soli contributi delle sorgenti biogeniche, il risultato verrà sottostimato in quanto il contributo del particolato secondario originato dalla componente antropogenica non è trascurabile. Ne consegue che solo nel caso in cui il rapporto *Particolato primario/Particolato secondario* è elevato, si ha indicazione della vicinanza delle sorgenti biogeniche dal punto recettore.

Schematicamente possiamo formulare le seguenti regole:



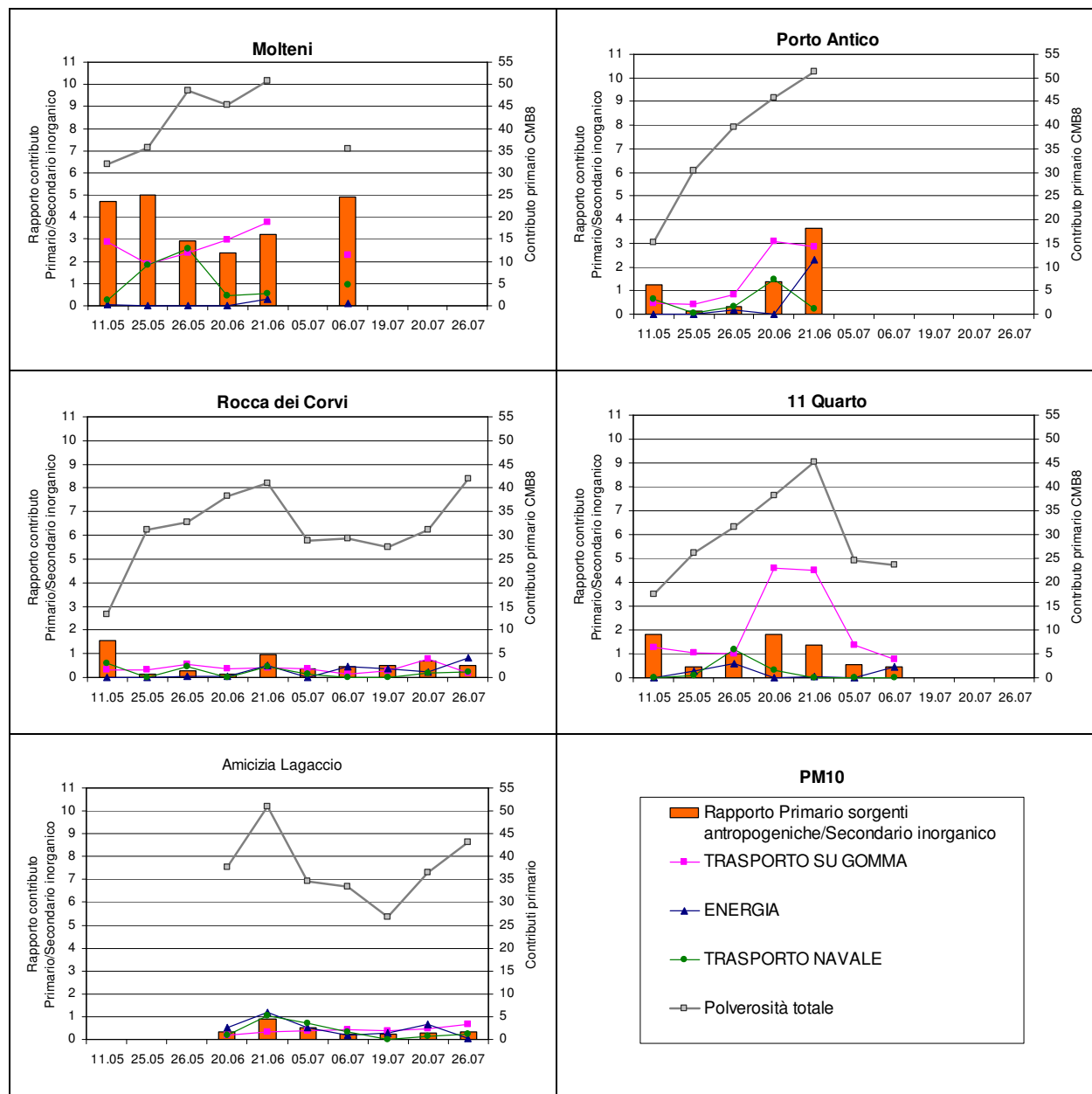
Per ogni elaborazione è stato calcolato il rapporto Primario/Secondario, attribuibile sia alle sorgenti antropogeniche, sia a quelle biogeniche. Si mostrano di seguito i risultati in forma grafica, suddivisi per frazione granulometrica.

5.1 Sorgenti antropogeniche su PM10

Per le sorgenti antropogeniche che contribuiscono in termini di PM10, si può innanzitutto evidenziare che ogni punto recettore presenta un comportamento abbastanza tipico. La soglia tra vicino e lontano può essere posta a valori intorno ad 1.5.

- Presso la stazione Via Molteni le sorgenti vengono sempre percepite come vicine, e perlopiù associabili al *trasporto su gomma*.

- Per la stazione di Porto Antico il contributo antropogenico è percepito vicino, quando si ha una certa rilevanza del contributo dai settori *trasporto su gomma* ed *energia*; mentre, quando prevale il contributo del *trasporto navale*, è evidenziata l'influenza di sorgenti lontane.



- Nel caso di Rocca dei Corvi, il contributo si manifesta sempre con una influenza di sorgenti antropogeniche non vicine.
- Per la stazione di Quarto l'influenza delle sorgenti antropogeniche appare per distanze vicine nelle giornate del 11/5 e del 20/6 corrispondenti ai massimi del contributo da *trasporto su gomma*. Nella giornata del 21/6 si ha un valore del rapporto leggermente inferiore, comunque associato ad un elevato contributo del *trasporto su gomma*. In queste giornate in contributo di Energia risulta comunque correlato con il basso carico presentato dalla centrale Enel. Per le altre giornate le sorgenti antropogeniche risultano distanti.
- Nel caso di Amicizia Lagaccio il contributo appare legato a sorgenti lontane, malgrado l'incremento dei contributi del *trasporto navale* e dell'*energia* nella giornata del 21/6.

Osservando l'andamento delle singole giornate su tutte le postazioni possiamo sottolineare che:

- Per le tre postazioni maggiormente soggette al traffico cittadino (Via Molteni, Porto Antico e Quarto), le giornate per le quali la sorgente antropogenica è percepita come prossima, corrispondono a giornate di alta polverosità e presentano punte del contributo da *Trasporto su gomma*, evidentemente di origine molto locale. In dettaglio si fa riferimento ai seguenti casi:
 - ✓ a Molteni il 21/6;
 - ✓ a Porto Antico il 21/6;
 - ✓ a Quarto il 20/6 e il 21/6.
- Nelle giornate caratterizzate da alto carico della centrale Enel e da alta polverosità (25/5, 26/5 e 26/7) le sorgenti antropogeniche sono percepite come lontane nelle postazioni di Porto Antico, Quarto e Rocca dei Corvi.

5.2 Sorgenti antropogeniche su PM2.5

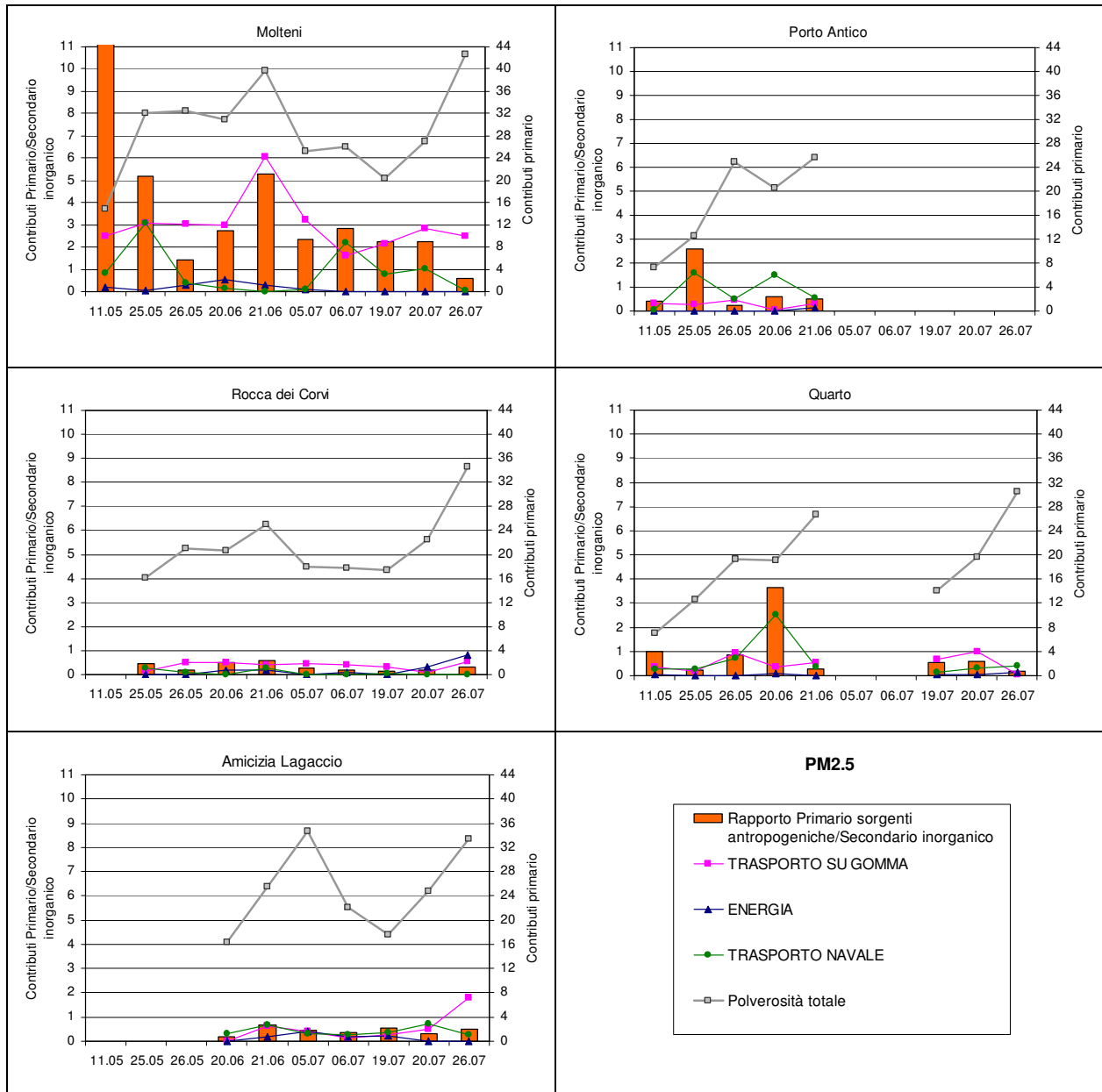
Per le sorgenti antropogeniche che contribuiscono in termini di PM2.5, si può innanzitutto evidenziare che ogni punto recettore presenta un comportamento abbastanza simile a quello del PM10 e tipico della postazione.

La soglia tra vicino e lontano può essere posta anche per il PM2.5 a valori intorno ad 1.5.

- Presso la stazione Via Molteni le sorgenti vengono quasi sempre percepite come vicine, e sono per lo più sempre associabili al *trasporto su gomma*: l'andamento del contributo *del trasporto su gomma* appare paragonabile a quello del rapporto primario/secondario confermando l'importanza dell'influenza del traffico locale.
- Per la stazione di Porto Antico le osservazioni già evidenziate per il caso PM10, sembrano invertite: in questo caso il contributo antropogenico è percepito prossimo quando si ha una certa rilevanza del contributo dal *trasporto navale*.
- Nel caso di Rocca dei Corvi si conferma come sia presente un'influenza di sorgenti antropogeniche non vicine.
- Per la stazione di Quarto si denota un'influenza di sorgenti antropogeniche vicine solo nella giornata del 20/6 a cui corrisponde il massimo contributo del *trasporto navale*. Per le altre giornate si hanno solo contributi da sorgenti distanti.
- Ad Amicizia Lagaccio si conferma l'influenza di sorgenti antropogeniche lontane anche per contributi più elevati sia da *trasporto su gomma* sia da *trasporto navale*.

Osservando l'andamento delle singole giornate su tutte le postazioni possiamo sottolineare che:

- Presso le tre postazioni con elevate attività antropiche (Via Molteni, Porto Antico e Quarto) nelle giornate complessivamente caratterizzate da alta polverosità e da alto carico della centrale Enel (25/5 26/5 e 26/7) evidenziano un'influenza di sorgenti lontane. In particolare:
 - ✓ Via Molteni il 26/7 e il 26/5;
 - ✓ Porto Antico il 26/5;
 - ✓ Quarto il 25/5 e il 26/5;
- Nelle stesse postazioni le giornate per le quali la sorgente antropogenica è percepita come vicina, si hanno punte del contributo da *Trasporto navale*, differentemente da quanto accade per il PM10. Tali giornate presentano elevata polverosità e sono:
 - ✓ a Via Molteni, il 25/5;
 - ✓ a Porto Antico, il 25/5 e il 20/06;
 - ✓ a Quarto, il 20/6.



5.3 Sorgenti biogeniche su PM10 e PM2.5

Per le sorgenti biogeniche è significativo analizzare solo i casi in cui il rapporto particolato primario/particolato secondario è elevato.

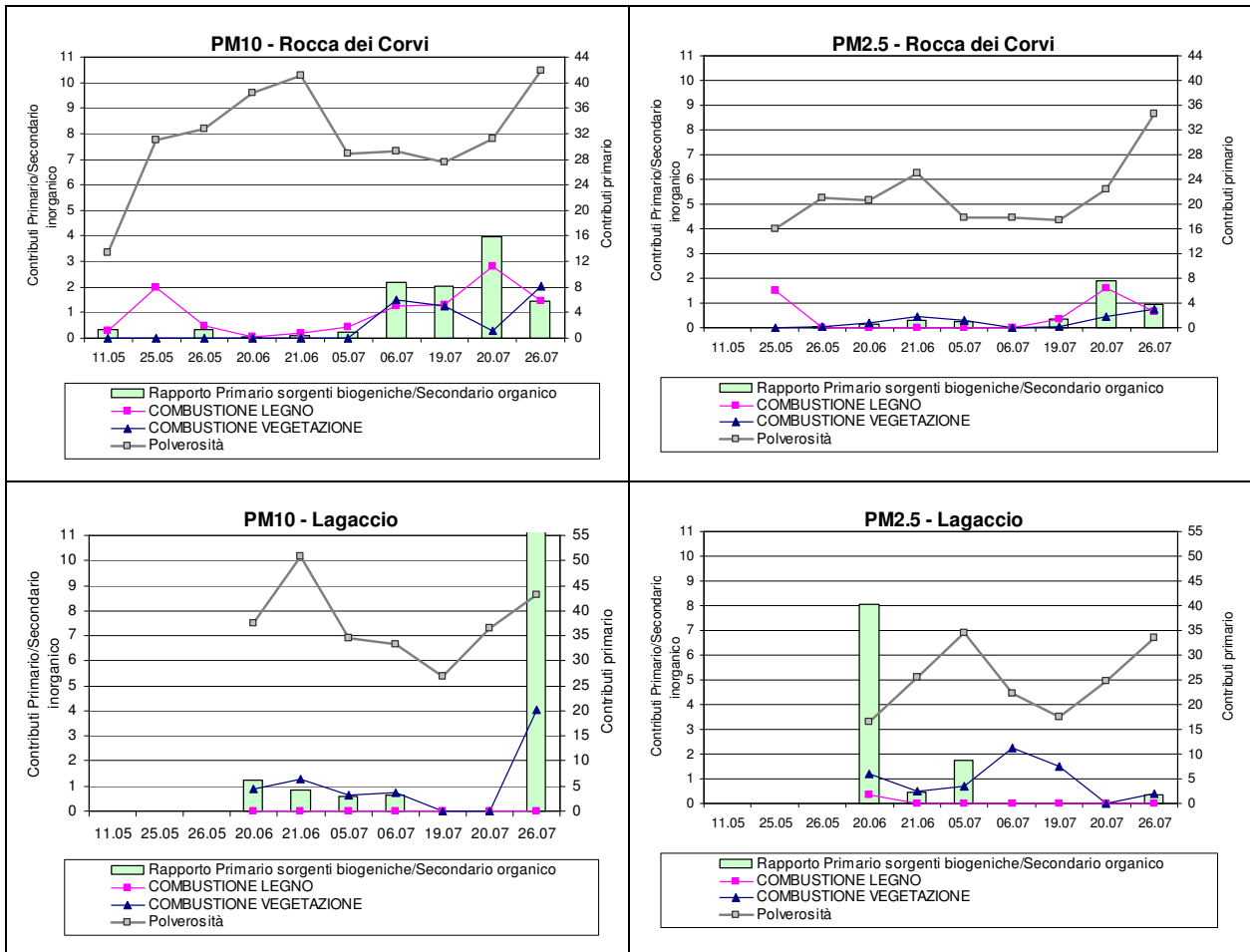
Nell'area genovese il contributo di sorgenti biogeniche è stato riconosciuto dal CMB8 come significativo solo nelle postazioni di Rocca dei Corvi e Lagaccio. Tale contributo si riferisce alla *combustione della vegetazione* e alla *combustione del legno*.

La soglia tra vicino e lontano, posta a valori intorno ad 1.5 per le sorgenti antropogeniche, può essere presa ancora come riferimento minimale ma è benne considerare i soli massimi sempre superiori a tale valore.

A Rocca dei Corvi il confronto degli andamenti calcolati per PM10 e PM2.5, evidenzia come le sorgenti biogeniche siano percepite come vicine nella giornata del 20/07 in entrambi i casi. In questa giornata si

hanno infatti i valori massimi del rapporto tra particolato primario e secondario organico e il massimo del contributo della *combustione legno*.

A Lagaccio il confronto evidenzia un contributo biogenico in giornate diverse con presenza di sorgenti vicine per il PM10 nella giornata del 26/7 e per il PM2.5 nella giornata del 20/6. In entrambi i casi si presume la presenza di un fuoco nelle immediate vicinanze alla postazione. L'elevata differenza di polverosità tra le due giornate e la possibile diversa natura del materiale bruciato possono spiegare la differenza di comportamento tra le due frazioni di particolato.



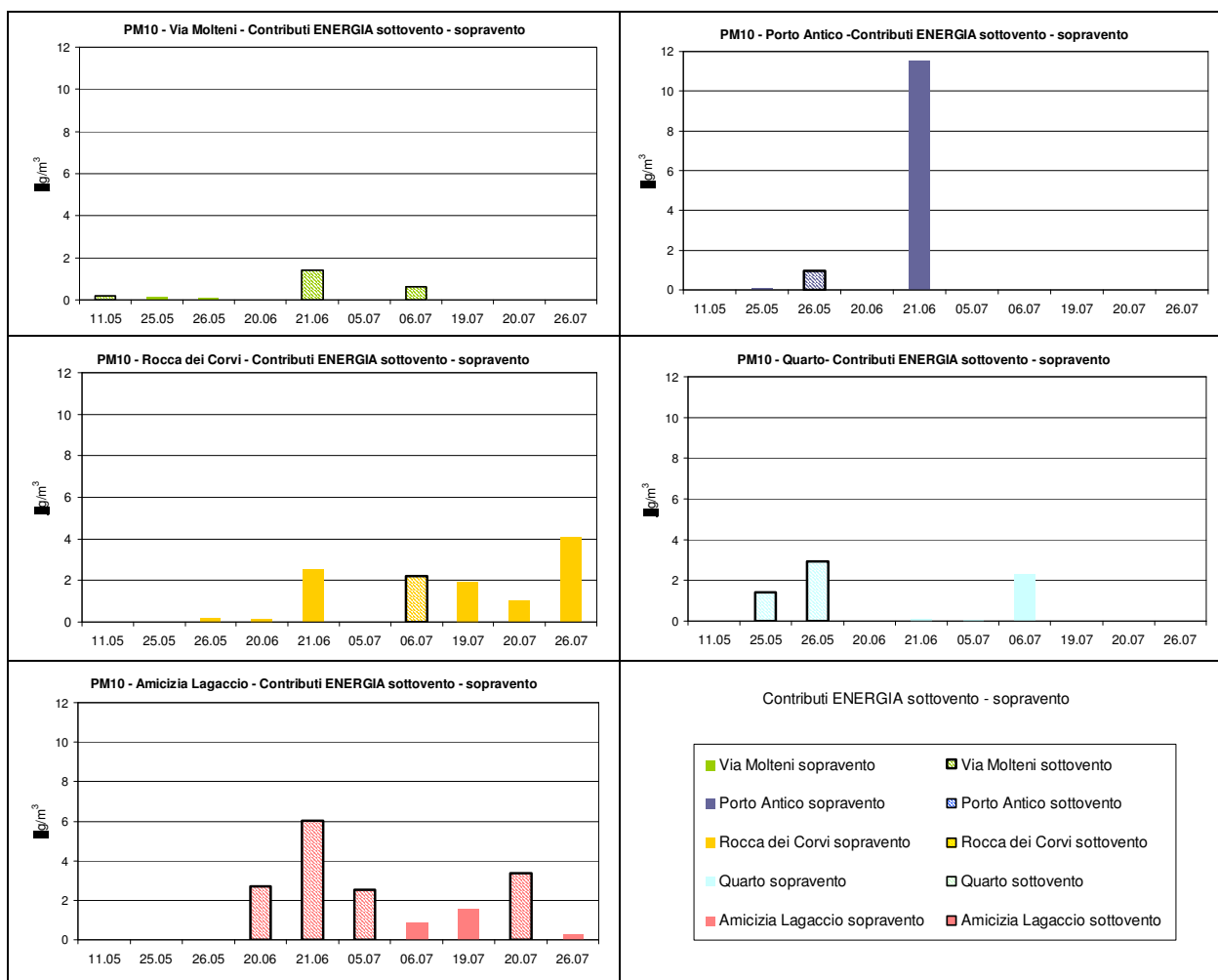
6 ESPOSIZIONE SOPRA-SOTTOVENTO

Le dieci giornate in cui sono stati effettuati campionamenti nel comprensorio di Genova presentano una situazione variegata, in termini sia di esposizione delle singole postazioni rispetto alla centrale Enel, sia di polverosità, sia di condizioni di esercizio della centrale Enel.

Nel presente paragrafo si analizza, per ogni postazione, il fattore di esposizione del comprensorio di Genova rispetto alla centrale Enel; tenendo conto dei seguenti due gruppi di giornate “tipo”, ritenute significative:

- 25/05, 26/05, 26/07 – Alta polverosità e alto carico
- 20/06, 21/06 – Alta polverosità e basso carico

Nei seguenti grafici si riportano i contributi calcolati presso le cinque stazioni per settore *energia*, espressi in termini di PM10 e di PM2.5, in cui si evidenzia una discreta corrispondenza fra l’aspetto anemometrico ed i contributi *energia* calcolati dal modello CMB8.

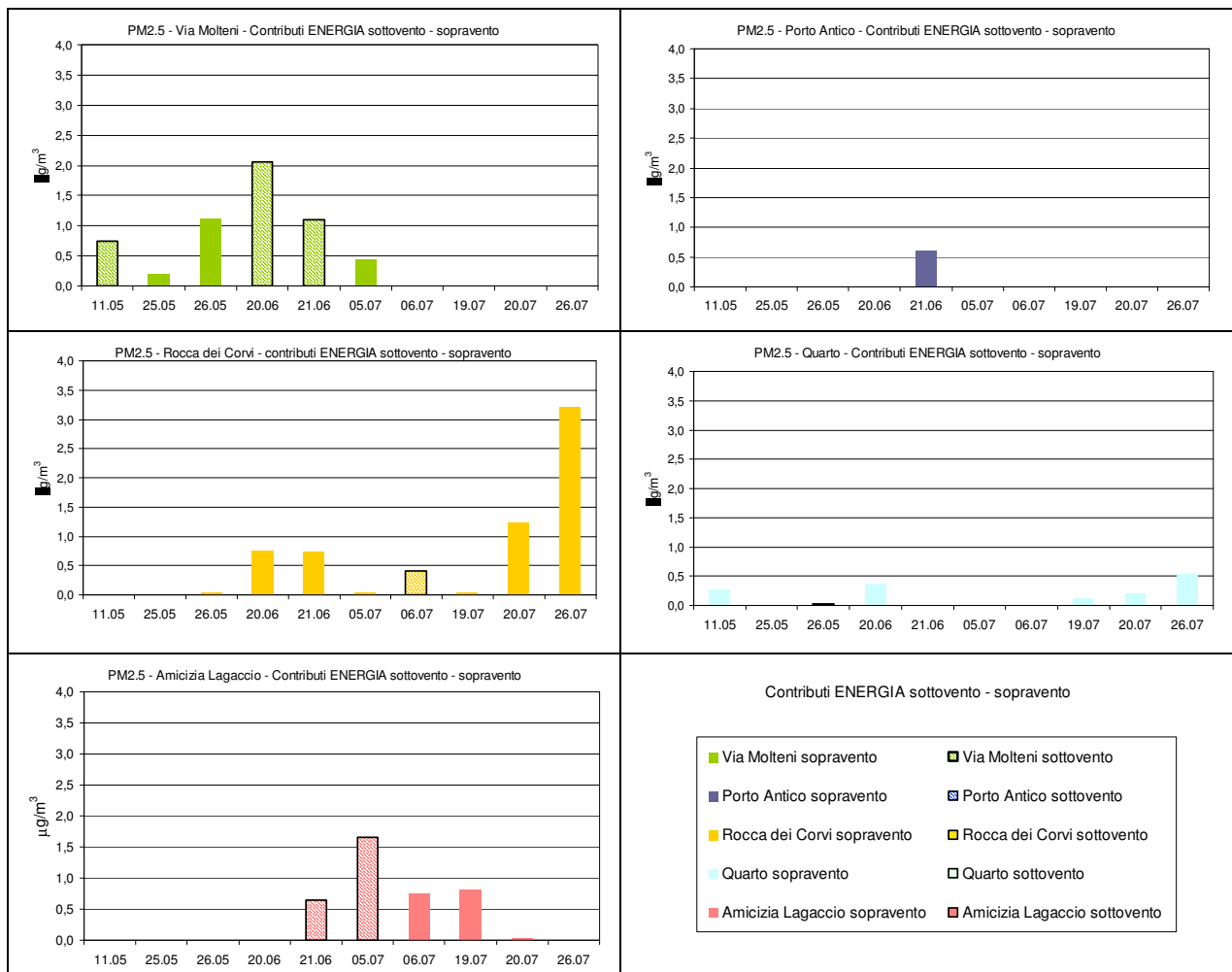


Dall’analisi dei contributi *energia*, espressi in termini di PM10, emerge una buona corrispondenza fra i massimi relativi delle postazioni Via Molteni, Quarto e Amicizia Lagaccio, che sono in ogni modo molto contenuti, e le corrispondenti condizioni di sottovento alla centrale Enel.

In particolare si evidenzia che presso Quarto il contributo *energia* appare rilevante, nelle giornate del 25/5 e del 26/5, caratterizzate da condizioni di alta polverosità, alto carico e sottovento alla centrale

Enel, al contrario non si riscontrano valori minimi di *energia* nelle giornate del 20/6 e 21/6, in cui sembra prevalere l'effetto di elevata polverosità e di basso carico della centrale Enel a quello dell'esposizione di sottovento/sopravento. Sulla base di tale affermazione si possono ragionevolmente giustificare i due massimi di *energia*, calcolati per Porto Antico e Rocca dei Corvi, malgrado in entrambi i casi si sia in presenza di condizioni di sopravvento. A Rocca dei Corvi si osserva ancora che i due valori più elevati sono calcolati per le giornate di alta polverosità (21.06 e 26.07) in queste condizioni, mentre solo il terzo (06/7) risulta in condizioni di sottovento alla centrale Enel.

Dall'analisi dei contributi *energia*, espressi in termini di PM2.5, emerge una buona corrispondenza fra i massimi relativi delle postazioni Via Molteni, e Amicizia Lagaccio e le corrispondenti condizioni di sottovento alla centrale Enel.



Ipotizzando che le giornate di alta polverosità influiscano considerevolmente sul contributo *energia*, possiamo giustificare l'unico valore elevato di Porto Antico, ed i massimi di *energia* calcolati presso Rocca dei Corvi e Quarto nella giornata del 26/7. Ciò malgrado restano poco giustificabili gli andamenti delle postazioni di Quarto e Rocca dei Corvi, che presentano valori di *energia* bassi per le giornate in cui le postazioni sono sottovento la centrale..

In conclusione si può affermare che, dall'analisi dell'esposizione di ogni singola postazione rispetto alla centrale Enel, emerge una buona corrispondenza del contributo *energia*, per le postazioni Via Molteni, Lagaccio e Quarto (solo per il PM10); mentre Porto Antico e Rocca dei Corvi risentono maggiormente dell'effetto di alta polverosità diffusa.

APPENDICE 1: CODIFICA DEI PROFILI UTILIZZATI NELLE ELABORAZIONI**PM10**

File PRGenovaPM10.txt: profili utilizzati per le elaborazioni PM10

34001	TRAJET	Jet aircraft
34002	TRGPNE	Tire wear
34003	TRGPNE	Tire wear
32205	TRGLDS	Diesel vehicles - Las Vegas Valley -1987
32202	TRGHDS	Heavy duty diesel
32203	TRGHDS	Heavy duty vehicles - diesel
32204	TRGHDS	Heavy duty vehicles - diesel
32207	TRGHDS	Heavy duty vehicles - diesel
32206	TRGHDS	Heavy duty vehicles - diesel composite
33011	TRGLDS	Highway vehicles composite
31106	TRGLBZ	Light duty vehicle - leaded
32101	TRGLDS	Light duty vehicles – diesel
32102	TRGLDS	Light duty vehicles - diesel
32103	TRGLDS	Light duty vehicles - diesel
32104	TRGLDS	Light duty vehicles - diesel composite
31104	TRGLBZ	Light duty vehicles - leaded
31105	TRGLBZ	Light duty vehicles - leaded composite
41130	TRGPLV	Paved road dust - composite
41132	TRGPLV	Paved road dust - composite-Long Beach, CA
41138	TRGPLV	Paved road dust - Pocatello, Idaho
41137	TRGPLV	Paved road dust - scab composite
41220	TRGPLV	Unpaved road dust - composite
33010	TRGLDS	Gasoline vehicles - Las Vegas Valley -1987
31102	TRGHBS	Heavy duty vehicles - leaded
33001	TRGLDS	Leaded/unleaded gasoline composite - 1977
13501	TRNREOIL	Residual oil combustion
13502	TRNHYOIL	External combustion - heavy oil-fired boiler composite
11506	TRNPOW	Oil-fired power plant
11508	TRNPOW	Oil-fired power plant
11509	TRNPOW	Oil-fired power plant
25201	EDCARCA	Calcium carbide furnace
27205	EDCEMEN	Cement ball mill
27203	EDCEMEN	Cement kiln (coal-fired)
27501	EDGESSO	Gypsum calciner
27502	EDGESSO	Gypsum handling
27503	EDGESSO	Gypsum kiln
27504	EDGESSO	Gypsum pile dust
23104	EDFORNA	Kraft recovery furnace
27204	EDCEME	Portland cement dust
42330	CLBURN	Composite of residential wood burning sources
12705	CLBOIL	External combustion - wood-fired boiler composite
42202	CLFRPL	Fireplaces - hardwoods
42201	CLFRPL	Fireplaces - softwoods
42321	CLBRCN	Forest prescribed burning - broadcast conifer

12706	CLBOIL	Hogged fuel boiler / plywood manufacturing
12708	CLBOIL	Hogged fuel boiler / plywood manufacturing
42318	CLCOMB	Residential wood combustion
42303	CLCOMB	Residential wood combustion - composite
42104	CLRESD	Residential woodstove - Medford, Oregon
42106	CLRESD	Residential woodstove - Portland / Seattle
42331	CLRESD	Residential woodstove composite
42305	CLBURN	Slash burning (conifer-flaming phase)
42306	CLBURN	Slash burning (conifer-smoldering phase)
42307	CLBURN	Slash burning (hardwood-flaming phase)
42308	CLBURN	Slash burning (hardwood-smoldering phase)
42309	CLBURN	Slash burning (ponderosa pine-flaming phase)
42310	CLBURN	Slash burning (ponderosa pine-smoldering phase)
42317	CLCOMB	Wood combustion - Las Vegas valley -1987
42102	CLFUEL	Wood stoves - average, all fuels
42103	CLFUEL	Wood stoves- oak fuel - Quercia
42101	CLFUEL	Wood stoves - pine fuel
42304	CVAGRI	Agricultural field burning
42322	CVANNU	Field burning- annual rye grass-
42320	CVBURN	Field burning - composite
42324	CVBURN	Field burning - fescue
42323	CVBURN	Field burning - perenial rye grass
42322	CVGRAS	Field burning - annual rye grass
42321	CVCONI	Forest prescribed burning roadcast conifer
43304	CTCRUS	Limestone, crustal
43306	CTCRUS	Sandstone, crustal
22202	CTSDUS	Sawdust
43307	CTCRUS	Sediment, crustal
90003	CTFOOAGR	Food and agriculture - average
43305	CTCRUS	Shale, crustal
41401	CTMIX	Road sand and salt mixture
41350	CTPOLV	Soil dust - composite
41307	CTPOLV	Soil dust - idaho
41353	CTPOLV	Soil dust - oregon composite
41351	CTPOLV	Soil dust - scab composite
43101	AEMARI	Marine aerosol
25406	CHCARB	Carborundum manufacturing
26209	CHCRAK	Catalytic cracker composite
25302	CHCOAL	Charcoal manufacturing
90002	CHMEDI	Chemical manufacturing - average
90012	CHCENE	Clay and fly ash sintering - average
21204	CHCARB	Coal dust
26206	CHCOKE	Coke calciner
26208	CHCOKE	Coke cooler
21203	CHCOKE	Coke dust
25408	CHFERT	Fertilizer production - phosphate rock dus
90014	CHPETR	Petroleum industry - average
26101	CHRAF	Refinery process heaters (gas)
25404	CHFERT	Urea fertilizer production
28202	MEGHIS	Cast iron cupola
28201	MEGHIS	Cast iron induction furnace
90010	MEFOND	Gray iron foundries - average

28304	MEFERR	Iron ore dust - sinter
21150	MEACCI	Primary lead smelting materials handling - composite
90008	MEMETS	Secondary metal production - average
13505	ITOILB	Residual oil-fired boiler / petroleum refinery
13503	ITBOIL	External combustion - Indonesian oil-fired boiler composite
13504	ITBOIL	Oil-fired boiler
25409	SNITRA	Ammonium nitrate - prill tower
25410	SSOLFA	Ammonium sulfate production
1	SNH4NO	Nitrato di ammonio secondario
2	SNH4SO	Solfato di ammonio secondario
3	SCORGA	Carbonio organico secondario
14102	RIBOIL	External combustion - liquid waste-fired boiler
15101	RIBOIL	External combustion - solid waste-fired boiler
17106	RIINCE	Municipal incinerator composite
17121	RIFANG	Sewage sludge incineration
17122	RIFANG	Sewage sludge incineration
17124	RIFANG	Sewage sludge incineration
17120	RIFANG	Sewage sludge incineration - composite
90001	RISOLI	Solid waste - average
11209	ENERGIA	Coal-fired power plant
POW01	ENCAM2	Centrale Enel, camino 2
POW02	ENCAM2	Centrale Enel, camino 2
POW03	ENGRP6	Centrale Enel, gruppo 6
POW04	ENGRP6	Centrale Enel, gruppo 6
POW05	ENGRP6	Centrale Enel, gruppo 6

PM2.5

File PRGenovaPM25.txt: profili utilizzati per le elaborazioni PM2.5

31107	TRGLHBF	Light duty vehicle - with catalyst
31230	TRGLBZF	Light duty vehicle - non-catalyst
31108	TRGLBZF	Light duty vehicles - composite
32203	TRGHDSF	Heavy duty vehicles - diesel
32206	TRGHDSF	Heavy duty vehicles - diesel composite
32208	TRGHDSF	Heavy duty diesel trucks
34007	TRGFREF	Organometallic brake dust
34008	TRGPNEF	Tire wear
41106	TRGPLVF	Paved road dust - Medford or
41107	TRGPLVF	Paved road dust - Portland, or
41130	TRGPLVF	Paved road dust - composite
41138	TRGPLVF	Paved road dust - Pocatello, Idaho
41139	TRGPLVF	Paved road dust - Pocatello, Idaho
41140	TRGPLVF	Paved road dust - Pocatello, Idaho
41141	TRGPLVF	Paved road dust - Pocatello, Idaho
41142	TRGPLVF	Paved road dust - Pasadena ca
41206	TRGPLVF	Ore and road dust fugitives - Pocatello, Idaho
32104	TRGLDSF	Light duty vehicles - diesel composite
31105	TRGLBZF	Light duty vehicles - leaded composite
31203	TRGLBZF	Light duty vehicles - unleaded
34006	TRGFREF	Semimetal disk brake pads
34008	TRGPNEF	Tire wear
33008	TRGTRAF	Transportation composite
33009	TRGTRAF	Transportation composite
34001	TRAJETF	Jet aircraft
13501	TRNREOIL	Residual oil combustion
12710	TRNDUFUE	Boiler - #2 fuel oil fired
13502	TRNHYOIL	External combustion - heavy oil-fired boiler composite
11506	TRNPOW	Oil-fired power plant
11508	TRNPOW	Oil-fired power plant
11509	TRNPOW	Oil-fired power plant
12709	ITBOILF	Hogged fuel boiler / stoker boiler
13505	ITBOILF	Residual oil combustion
13503	ITHOLIF	External combustion - Indonesian oil-fired boiler composite
13504	ITOILBF	Oil-fired boiler
12706	ITOILBF	Boiler - #2 fuel oil fired
12707	ITOILBF	Hogged fuel boiler / dutch oven
12708	ITWOODF	Hogged fuel boiler / plywood manufacturing
CESI01	ITGASOLF	Caldaiette cesi: tipo 1 in solo riscaldamento metano
CESI02	ITGASOLF	Caldaiette cesi: tipo 1 solo riscaldamento metano
CESI03	ITGASOLF	Caldaiette cesi: tipo 2 ciclo combinato metano
CESI04	ITBIODIF	Caldaiette cesi: tipo 3 a condensazione metano
CESI05	ITBIODIF	Caldaiette cesi: tipo 4 hi tech metano
CESI06	ITBIODIF	Caldaiette cesi: ipo 5 in solo riscaldamento biodiesel
CESI07	ITBIODIF	Caldaiette cesi: tipo 5 solo riscaldamento biodiesel
CESI08	ITOLIOCF	Caldaiette cesi: tipo 6 in solo riscaldamento gasolio
CESI09	ITOLIOCF	Caldaiette cesi: tipo 6 solo riscaldamento gasolio
CESI10	ITOLIOCF	Caldaiette cesi: tipo 7 solo riscaldamento o.c.d

CESI11	ITOLIOCF	Caldaiette cesi: tipo 7 in solo riscaldamento o.c.d
CESI12	ITOLIOCF	Caldaiette cesi: tipo 8 hi tech o,c,d
16000	REMEATF	Meat cooking - charbroiling
42107	REGASNF	Natural gas home appliances
17109	MECARSF	Car shredder
29102	MEALUMF	Aluminum reduction potline
20101	MEALUMF	Aluminum foundry-reverboratory furnace
90007	MEPRYMF	Primary metal production - average
25702	MEMETFF	Metal fabrication - sandblasting
28202	MEGHIS	Cast iron cupola
28201	MEGHIS	Cast iron induction furnace
17120	RIINCIF	Sewage sludge incineration - composite
15101	RIBOILF	Solid waste-fired boiler
17106	RIINCIF	Municipal incinerator composite
90001	RISLDWF	Solid waste - average
12102	EDFORNF	Lime kiln
27201	EDCEMEF	Cement kiln (gas-fired)
27203	EDCEMEF	Cement kiln (gas-fired)
27501	EDGESSF	Gypsum calciner
27504	EDGESSF	Gypsum pile dust
27205	EDCEMEF	Cement ball mill
27503	EDGESSF	Gypsum kiln
27602	EDCEMEF	Lime kiln
42304	CVFLDBF	Agricultural field burning
42320	CVFLDBF	Field burning - composite
42201	CLSOFTEF	Fireplaces - softwoods
42105	CLRESDF	Residential woodstove - Pocatello, Idaho
42106	CLRESDF	Residential woodstove - Portland / Seattle
90002	CHCHEMF	Chemical manufacturing - average
90014	CHPETRF	Petroleum industry - average
90015	CHCARTF	Pulp and paper industry
90016	CHINDUF	Industrial manufacturing - average
43305	CTSHCRF	Shale, crustal
43304	CTCRUSF	Limestone, crustal
42104	CTPOLVF	Residential woodstove - Medford, Oregon
43306	CTCRUSF	Sandstone, crustal
43307	CTCRUSF	Sediment, crustal
43305	CTCRUSF	Shale, crustal
41350	CTPOLVF	Soil dust - composite
41307	CTPOLVF	Soil dust - Idaho
41353	CTPOLVF	Soil dust - Oregon composite
43101	AEMARIF	Marine aerosol
25409	SINO3F	Ammonium nitrate - prill tower
25410	SISO4F	Ammonium sul fate production
1	SNH4NOF	Nitrato di ammonio secondario
2	SNH4SOF	Solfato di ammonio secondario
3	SCORGAF	Carbonio organico secondario
POW01	ENCAM2F	Centrale Enel, camino 2
POW02	ENCAM2F	Centrale Enel, camino 2
POW03	ENGRP6F	Centrale Enel, gruppo 6
POW04	ENGRP6F	Centrale Enel, gruppo 6

VOC

File PRGenovaVOC.txt: profili utilizzati per le elaborazioni VOC

122	RIINCINE	Bar screen waste incinerator
2542	RIWASTEW	Wastewater treatment plants - Cincinnati area
2541	RIWASTEW	Wastewater treatment plants - New Jersey
9004	CHCHEM	Chemical manufacturing – average
9003	CHINDUST	Industrial processes – average
1313	CHEXHAUS	Industry average (circa 1990) gasoline exhaust
9012	CHPETROL	Petroleum industry – average
9024	CHPETROL	Petroleum product storage – average
9005	CHPLASTI	Plastics production – average
1004	CHPOLYST	Plastics production – polystyrene
197	CHSOLVNT	Solvent use - domestic solvents
9027	CHGASOLI	Transportation and marketing of petroleum products
1202	MEALUM	Primary aluminum production
9009	MEPRIMAR	Primary metal production – average
1089	MECASTNG	Secondary metal production-gray iron foundries-pouring/casting
1167	CLCOMB3	Residential wood combustion
1084	CLWOOD	Residential wood combustion (C-1 –C-6)
2405	CLWOOD	Wood furniture coating
1014	TRGGASOL	Gasoline - summer blend
1015	TRGGASOL	Gasoline - winter blend
1186	TRGHEAVY	Heavy duty gasoline trucks:
1101	TRGHGWAY	Light duty gasoline vehicles – 46 car study
1203	TRGEXHAS	Light-duty gasoline vehicles – exhaust
2564	TRGROAD	Roadway - vehicle exhaust emissions
2562	TRGROAD	Roadway - vehicle exhaust emissions
2563	TRGROAD	Roadway - vehicle exhaust emissions
2510	TRGAUTO	Vehicle exhaust - 100% high emitters
2511	TRGAUTO	Vehicle exhaust - 100% low emitters
2524	TRGAUTO	Vehicle exhaust Callahan tunnel diesel and maximum running loss subtracted
2525	TRGAUTO	Vehicle exhaust - Callahan tunnel diesel and minimum running loss subtracted
2438	TRGAUTO	Vehicle exhaust - composite of 2
2537	TRGAUTO	Vehicle exhaust - composite of 4
2591	TRGAUTO	Vehicle exhaust - current fleet –1989 composite, conventional fuel
2526	TRGAUTO	Vehicle exhaust - fort Mchenry tunnel
2527	TRGAUTO	Vehicle exhaust - fort Mchinery tunnel light-duty gasoline
2519	TRGAUTO	Vehicle exhaust - Lincoln tunnel diesel and maximum running loss subtracted
2518	TRGAUTO	Vehicle exhaust - Lincoln tunnel diesel and minimum running loss subtracted
2498	TRGAUTO	Vehicle exhaust - older fleet (1983-1985) composite
2522	TRGAUTO	Vehicle exhaust - Sepulveda tunnel diesel and maximum running loss subtracted
2523	TRGAUTO	Vehicle exhaust - Sepulveda tunnel diesel and minimum running loss subtracted
2520	TRGAUTO	Vehicle exhaust - Tuscarora tunnel diesel
2521	TRGAUTO	Vehicle exhaust - Tuscarora tunnel light duty gasoline

2531	TRGAUTO	Vehicle exhaust - Van Nuys tunnel, diesel and maximum running loss subtracted
2530	TRGAUTO	Vehicle exhaust - Van Nuys tunnel diesel and minimum running loss subtracted
ENIHV1	TRGRNTHV	Autostrada e tangenziale: camion Renault heavy duty veloce
ENIHL1	TRGRNTHL	Autostrada e tangenziale: camion Renault heavy duty lento
ENIHV2	TRGSCAHV	Autostrada e tangenziale: camion Scania heavy duty veloce
ENIHL2	TRGSCAHL	Autostrada e tangenziale: camion Scania heavy duty lento
ENIHV3	TRGLROHV	Autostrada e tangenziale: fuoristrada Land Rover heavy duty medio normale
ENIHL3	TRGLROHL	Autostrada e tangenziale: fuoristrada Land Rover heavy duty medio in salita
ENIHV4	TRGDUCHV	Autostrada e tangenziale: furgone Ducato heavy duty medio normale
ENIHL4	TRGDUCHL	Autostrada e tangenziale: furgone Ducato heavy duty medio in salita
ENILN1	TRGALRLN	Autostrada e tangenziale: Alfa Romeo light duty diesel normale
ENILS1	TRGALRLS	Autostrada e tangenziale: Alfa Romeo light duty diesel medio in salita
ENILN2	TRGHONLN	Autostrada e tangenziale: Honda light duty benzina medio normale
ENILS2	TRGHONLS	Autostrada e tangenziale: Honda light duty benzina medio in salita
ENIB01	TRGIVES1	Autobus: Iveco euro2 modello1 scorrevole
ENIB02	TRGIVEI1	Autobus: Iveco euro2 modello1 intenso
ENIB03	TRGIVEU1	Autobus: Iveco uro2 odello1 rbano
ENIB04	TRGIVES2	Autobus: Iveco uro2 odello2 correvole
ENIB05	TRGIVEI2	Autobus: Iveco uro2 odello2 ntenso
ENIB06	TRGIVEU2	Autobus: Iveco uro2 odello2 rbano
ENIB07	TRGMENS1	Autobus: Menarini pre euro0 scorrevole
ENIB08	TRGMENI1	Autobus: Menarini pre euro0 intenso
ENIB09	TRGMENU1	Autobus: Menarini pre euro0 urbano
ENIB10	TRGBRES1	Autobus: Breda euro3 scorrevole
ENIB11	TRGBREI1	Autobus: Breda euro3 intenso
ENIB12	TRGBREU1	Autobus: Breda euro3 urbano
ENIB13	TRGBRES2	Autobus: Breda euro2 scorrevole
ENIB14	TRGBREI2	Autobus: Breda euro2 intenso
ENIB15	TRGBREU2	Autobus: Breda euro2 urbano
ENIB16	TRGMERS1	Autobus: Mercedes euro3 scorrevole
ENIB17	TRGMERI1	Autobus: Mercedes euro3 intenso
ENIB18	TRGMERU1	Autobus: Mercedes euro3 urbano
ENIR1	TRGRSU1	Rsu1
ENIR2	TRGRSU2	Rsu2
1	TRNREOIL	External combustion boiler - residual oil
2	TRNDIOIL	External combustion boiler - distillate oil
305	TRNTERMI	Fixed roof tank - crude oil marine terminal
9001	ITBOILER	External combustion boilers - industrial- avernge
9002	ITCOMB1	Internal combustion - average
1001	ITCOMB2	Internal combustion engine - natural gas
CESI01	ITTP1MT	Caldaiette cesi: tipo 1 in solo riscaldamento metano
CESI02	ITTP1MT	Caldaiette cesi: tipo 1 solo riscaldamento metano
CESI03	ITTP2MT	Caldaiette cesi: tipo 2 ciclo combinato metano
CESI04	ITTP3MT	Caldaiette cesi: tipo 3 a condensazione metano
CESI05	ITTP4MT	Caldaiette cesi: tipo 4 hi tech metano
CESI06	ITTP5BIO	Caldaiette cesi: ipo 5 in solo riscaldamento biodiesel
CESI07	ITTP5BIO	Caldaiette cesi: tipo 5 solo riscaldamento biodiesel
CESI08	ITTP6GAS	Caldaiette cesi: tipo 6 in solo riscaldamento gasolio

CESI09	ITTP6GAS	Caldaiette cesi: tipo 6 solo riscaldamento gasolio
CESI10	ITTP7OCD	Caldaiette cesi: tipo 7 solo riscaldamento o.c.d
CESI11	ITTP7OCD	Caldaiette cesi: tipo 7 in solo riscaldamento o.c.d
CESI12	ITTP8OCD	Caldaiette cesi: tipo 8 hi tech o,c.d
CESI13	ITTP6XCT	Caldaiette cesi: tipo 6 solo riscaldamento gasolio ex centrale bixio
8511	RECONSUM	Consumer and commercial products:all household products
CESI14	REUNIMAX	Caldaiette cesi residenziali metano Unical massimo
CESI15	REUNIMIN	Caldaiette cesi residenziali metano Unical minimo
CESI16	REUNIOF	Caldaiette cesi residenziali metano Unical on-off
CESI17	REUNIMAN	Caldaiette cesi residenziali metano Unical manuale
CESI18	REUNIVMA	Caldaiette cesi residenziali metano Unical vacchia massimo
CESI19	REUNIVMI	Caldaiette cesi residenziali metano Unical vecchia minimo
CESI20	REIMMMAN	Caldaiette cesi residenziali metano Immergas massimo
CESI21	REIMMMIN	Caldaiette cesi residenziali metano Immergas minimo
CESI22	RESDVMAX	Caldaiette cesi residenziali metano Saunier duval massimo
CESI23	RESDVMIN	Caldaiette cesi residenziali metano Saunier duval minimo
CESI24	RESDVOF	Caldaiette cesi residenziali metano Saunier duval on-off
1215	TRAJET	Composite of 6 engines burning jp-4 fuel at 30 % power
1216	TRAJET	Composite of 6 engines burning jp-4 fuel across all powers
1217	TRAJET	Composite of 6 engines burning jp-4 fuel at idle power
1218	TRAJET	Composite - tf-39 engine burning jp-5 fuel across all powers
1225	TRAJET	Composite for tf-39 engine burning 3 fuels at idle power
1226	TRAJET	Composite of cfm-56 engine burning 3 fuels across all powers
1227	TRAJET	Composite for tf-39 engine burning 3 fuels across all powers
1178	ENERGY	Coal-fired boiler - electric generation

APPENDICE 2: STRUTTURA DI OGNI SINGOLO PROFILO UTILIZZATO NELLE ELABORAZIONI

PM10

<p>Profile Number 42304 Profile Name Agricultural Field Burning</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">CAS No.</th> <th style="width: 25%;">Pollutant</th> <th style="width: 10%;">%</th> <th style="width: 10%;">0 to 10</th> <th style="width: 10%;">Unc.</th> </tr> </thead> <tbody> <tr><td>7440235</td><td>SODIUM</td><td>0,24</td><td>0,439</td><td></td></tr> <tr><td>7429905</td><td>ALUMINUM</td><td>0,34</td><td>0,391</td><td></td></tr> <tr><td>7440213</td><td>SILICON</td><td>0,3</td><td>0,263</td><td></td></tr> <tr><td>7704349</td><td>SULFUR</td><td>1,5</td><td>0,94</td><td></td></tr> <tr><td>7782505</td><td>CHLORINE</td><td>3,1</td><td>2,632</td><td></td></tr> <tr><td>7440097</td><td>POTASSIUM</td><td>5,9</td><td>3,388</td><td></td></tr> <tr><td>7440702</td><td>CALCIUM</td><td>0,4</td><td>0,392</td><td></td></tr> <tr><td></td><td>ORGANIC CARBON</td><td>35,6</td><td>0</td><td></td></tr> <tr><td>7440440</td><td>ELEMENTAL CARBON</td><td>5,8</td><td>2,473</td><td></td></tr> <tr><td></td><td>SULFATES</td><td>5</td><td>5,603</td><td></td></tr> <tr><td></td><td>NITRATES</td><td>0,89</td><td>1,168</td><td></td></tr> <tr><td>7440326</td><td>TITANIUM</td><td>0,005</td><td>0,006</td><td></td></tr> <tr><td>7440473</td><td>CHROMIUM</td><td>0,005</td><td>0,009</td><td></td></tr> <tr><td>7439965</td><td>MANGANESE</td><td>0,004</td><td>0,006</td><td></td></tr> <tr><td>7439896</td><td>IRON</td><td>0,2</td><td>0,772</td><td></td></tr> <tr><td>7440508</td><td>COPPER</td><td>0,11</td><td>0,515</td><td></td></tr> <tr><td>7726956</td><td>BROMINE</td><td>0,03</td><td>0,052</td><td></td></tr> <tr><td>7439921</td><td>LEAD</td><td>0,03</td><td>0,052</td><td></td></tr> <tr><td>7782414</td><td>FLUORINE</td><td>0,32</td><td>0,201</td><td></td></tr> </tbody> </table>	CAS No.	Pollutant	%	0 to 10	Unc.	7440235	SODIUM	0,24	0,439		7429905	ALUMINUM	0,34	0,391		7440213	SILICON	0,3	0,263		7704349	SULFUR	1,5	0,94		7782505	CHLORINE	3,1	2,632		7440097	POTASSIUM	5,9	3,388		7440702	CALCIUM	0,4	0,392			ORGANIC CARBON	35,6	0		7440440	ELEMENTAL CARBON	5,8	2,473			SULFATES	5	5,603			NITRATES	0,89	1,168		7440326	TITANIUM	0,005	0,006		7440473	CHROMIUM	0,005	0,009		7439965	MANGANESE	0,004	0,006		7439896	IRON	0,2	0,772		7440508	COPPER	0,11	0,515		7726956	BROMINE	0,03	0,052		7439921	LEAD	0,03	0,052		7782414	FLUORINE	0,32	0,201		<p>Profile Number 13502 Profile Name External Combustion - Heavy Oil-Fired Boiler Composite</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">CAS No.</th> <th style="width: 25%;">Pollutan</th> <th style="width: 10%;">%</th> <th style="width: 10%;">0 to 10</th> <th style="width: 10%;">Unc.</th> </tr> </thead> <tbody> <tr><td>7440235</td><td>SODIUM</td><td>1</td><td>0</td><td></td></tr> <tr><td>7429905</td><td>ALUMINUM</td><td>0,21</td><td>0</td><td></td></tr> <tr><td>7704349</td><td>SULFUR</td><td>9,6</td><td>0</td><td></td></tr> <tr><td>7782505</td><td>CHLORINE</td><td>0,092</td><td>0</td><td></td></tr> <tr><td>7440097</td><td>POTASSIUM</td><td>0,085</td><td>0</td><td></td></tr> <tr><td>7440702</td><td>CALCIUM</td><td>0,085</td><td>0</td><td></td></tr> <tr><td>7440326</td><td>TITANIUM</td><td>0,074</td><td>0</td><td></td></tr> <tr><td>7440622</td><td>VANADIUM</td><td>0,92</td><td>0</td><td></td></tr> <tr><td>7440473</td><td>CHROMIUM</td><td>0,021</td><td>0</td><td></td></tr> <tr><td>7439965</td><td>MANGANESE</td><td>0,012</td><td>0</td><td></td></tr> <tr><td>7439896</td><td>IRON</td><td>0,46</td><td>0</td><td></td></tr> <tr><td>7440484</td><td>COBALT</td><td>0,003</td><td>0</td><td></td></tr> <tr><td>7440020</td><td>NICKEL</td><td>0,49</td><td>0</td><td></td></tr> <tr><td>7440666</td><td>ZINC</td><td>0,04</td><td>0</td><td></td></tr> <tr><td>7440382</td><td>ARSENIC</td><td>0,002</td><td>0</td><td></td></tr> <tr><td>7726956</td><td>BROMINE</td><td>0,001</td><td>0</td><td></td></tr> <tr><td>7440360</td><td>ANTIMONY</td><td>0,001</td><td>0</td><td></td></tr> <tr><td>7440393</td><td>BARIUM</td><td>0,092</td><td>0</td><td></td></tr> <tr><td>7439921</td><td>LEAD</td><td>0,033</td><td>0</td><td></td></tr> </tbody> </table>	CAS No.	Pollutan	%	0 to 10	Unc.	7440235	SODIUM	1	0		7429905	ALUMINUM	0,21	0		7704349	SULFUR	9,6	0		7782505	CHLORINE	0,092	0		7440097	POTASSIUM	0,085	0		7440702	CALCIUM	0,085	0		7440326	TITANIUM	0,074	0		7440622	VANADIUM	0,92	0		7440473	CHROMIUM	0,021	0		7439965	MANGANESE	0,012	0		7439896	IRON	0,46	0		7440484	COBALT	0,003	0		7440020	NICKEL	0,49	0		7440666	ZINC	0,04	0		7440382	ARSENIC	0,002	0		7726956	BROMINE	0,001	0		7440360	ANTIMONY	0,001	0		7440393	BARIUM	0,092	0		7439921	LEAD	0,033	0	
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7782505	CHLORINE	0,092	0																																																																																																																																																																																																						
7440097	POTASSIUM	0,085	0																																																																																																																																																																																																						
7440702	CALCIUM	0,085	0																																																																																																																																																																																																						
7440326	TITANIUM	0,074	0																																																																																																																																																																																																						
7440622	VANADIUM	0,92	0																																																																																																																																																																																																						
7440473	CHROMIUM	0,021	0																																																																																																																																																																																																						
7439965	MANGANESE	0,012	0																																																																																																																																																																																																						
7439896	IRON	0,46	0																																																																																																																																																																																																						
7440484	COBALT	0,003	0																																																																																																																																																																																																						
7440020	NICKEL	0,49	0																																																																																																																																																																																																						
7440666	ZINC	0,04	0																																																																																																																																																																																																						
7440382	ARSENIC	0,002	0																																																																																																																																																																																																						
7726956	BROMINE	0,001	0																																																																																																																																																																																																						
7440360	ANTIMONY	0,001	0																																																																																																																																																																																																						
7440393	BARIUM	0,092	0																																																																																																																																																																																																						
7439921	LEAD	0,033	0																																																																																																																																																																																																						
<p>Profile Number 32205 Profile Name Diesel Vehicles - Las Vegas Valley (1987)</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">CAS No.</th> <th style="width: 25%;">Pollutant</th> <th style="width: 10%;">%</th> <th style="width: 10%;">0 to 10</th> <th style="width: 10%;">Unc.</th> </tr> </thead> <tbody> <tr><td>7429905</td><td>ALUMINUM</td><td>0,37</td><td>0</td><td></td></tr> <tr><td>7440213</td><td>SILICON</td><td>1,03</td><td>0</td><td></td></tr> <tr><td>7704349</td><td>SULFUR</td><td>0,62</td><td>0</td><td></td></tr> <tr><td>7440097</td><td>POTASSIUM</td><td>0,16</td><td>0</td><td></td></tr> <tr><td></td><td>TOTAL CARBON</td><td>44</td><td>0</td><td></td></tr> <tr><td>7439921</td><td>LEAD</td><td>0,21</td><td>0</td><td></td></tr> </tbody> </table>	CAS No.	Pollutant	%	0 to 10	Unc.	7429905	ALUMINUM	0,37	0		7440213	SILICON	1,03	0		7704349	SULFUR	0,62	0		7440097	POTASSIUM	0,16	0			TOTAL CARBON	44	0		7439921	LEAD	0,21	0		<p>Profile Number 42317 Profile Name Wood Combustion - Las Vegas Valley (1987)</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">CAS No.</th> <th style="width: 25%;">Pollutant</th> <th style="width: 10%;">%</th> <th style="width: 10%;">0 to 10</th> <th style="width: 10%;">Unc.</th> </tr> </thead> <tbody> <tr><td>7429905</td><td>ALUMINUM</td><td>0,3</td><td>0</td><td></td></tr> <tr><td>7440213</td><td>SILICON</td><td>0,8</td><td>0</td><td></td></tr> <tr><td>7704349</td><td>SULFUR</td><td>1,01</td><td>0</td><td></td></tr> <tr><td>7782505</td><td>CHLORINE</td><td>0,25</td><td>0</td><td></td></tr> <tr><td>7440097</td><td>POTASSIUM</td><td>0,87</td><td>0</td><td></td></tr> <tr><td></td><td>TOTAL CARBON</td><td>61</td><td>0</td><td></td></tr> <tr><td>7439921</td><td>LEAD</td><td>0,25</td><td>0</td><td></td></tr> </tbody> </table>	CAS No.	Pollutant	%	0 to 10	Unc.	7429905	ALUMINUM	0,3	0		7440213	SILICON	0,8	0		7704349	SULFUR	1,01	0		7782505	CHLORINE	0,25	0		7440097	POTASSIUM	0,87	0			TOTAL CARBON	61	0		7439921	LEAD	0,25	0																																																																																																																														
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7439921	LEAD	0,25	0																																																																																																																																																																																																						
<p>Profile Number 33010 Profile Name Gasoline Vehicles - Las Vegas Valley (1987)</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">CAS No.</th> <th style="width: 25%;">Pollutant</th> <th style="width: 10%;">%</th> <th style="width: 10%;">0 to 10</th> <th style="width: 10%;">Unc.</th> </tr> </thead> <tbody> <tr><td>7429905</td><td>ALUMINUM</td><td>0,046</td><td>0</td><td></td></tr> <tr><td>7440213</td><td>SILICON</td><td>0,092</td><td>0</td><td></td></tr> <tr><td>7704349</td><td>SULFUR</td><td>0,092</td><td>0</td><td></td></tr> <tr><td>7782505</td><td>CHLORINE</td><td>0,83</td><td>0</td><td></td></tr> <tr><td>7440097</td><td>POTASSIUM</td><td>0,32</td><td>0</td><td></td></tr> <tr><td></td><td>TOTAL CARBON</td><td>57,6</td><td>0</td><td></td></tr> <tr><td>7439921</td><td>LEAD</td><td>2,5</td><td>0</td><td></td></tr> </tbody> </table>	CAS No.	Pollutant	%	0 to 10	Unc.	7429905	ALUMINUM	0,046	0		7440213	SILICON	0,092	0		7704349	SULFUR	0,092	0		7782505	CHLORINE	0,83	0		7440097	POTASSIUM	0,32	0			TOTAL CARBON	57,6	0		7439921	LEAD	2,5	0		<p>Profile Number 43101 Profile Name Marine Aerosol</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">CAS No.</th> <th style="width: 25%;">Pollutant</th> <th style="width: 10%;">%</th> <th style="width: 10%;">0 to 10</th> <th style="width: 10%;">Unc.</th> </tr> </thead> <tbody> <tr><td>7440235</td><td>SODIUM</td><td>40</td><td>1,689</td><td></td></tr> <tr><td>7439954</td><td>MAGNESIUM</td><td>4,8</td><td>0,275</td><td></td></tr> <tr><td>7704349</td><td>SULFUR</td><td>3,3</td><td>0,337</td><td></td></tr> <tr><td>7782505</td><td>CHLORINE</td><td>40</td><td>0</td><td></td></tr> <tr><td>7440097</td><td>POTASSIUM</td><td>1,4</td><td>0,069</td><td></td></tr> <tr><td>7440702</td><td>CALCIUM</td><td>1,4</td><td>0,069</td><td></td></tr> <tr><td></td><td>SULFATES</td><td>10</td><td>1,034</td><td></td></tr> <tr><td>7726956</td><td>BROMINE</td><td>0,2</td><td>0,014</td><td></td></tr> </tbody> </table>	CAS No.	Pollutant	%	0 to 10	Unc.	7440235	SODIUM	40	1,689		7439954	MAGNESIUM	4,8	0,275		7704349	SULFUR	3,3	0,337		7782505	CHLORINE	40	0		7440097	POTASSIUM	1,4	0,069		7440702	CALCIUM	1,4	0,069			SULFATES	10	1,034		7726956	BROMINE	0,2	0,014																																																																																																																				
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7726956	BROMINE	0,2	0,014																																																																																																																																																																																																						
<p>Profile Number 42323 Profile Name Field Burning - Perennial Rye Grass</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">CAS No.</th> <th style="width: 25%;">Pollutant</th> <th style="width: 10%;">%</th> <th style="width: 10%;">0 to 10</th> <th style="width: 10%;">Unc.</th> </tr> </thead> <tbody> <tr><td></td><td>WAT. SOL. CHLORIDE</td><td>3,122</td><td>0,427</td><td></td></tr> <tr><td></td><td>NITRATES</td><td>0,126</td><td>0,038</td><td></td></tr> <tr><td></td><td>WAT. SOL. PHOSPHATE</td><td>0,077</td><td>0,083</td><td></td></tr> <tr><td></td><td>SULFATES</td><td>0,884</td><td>0,077</td><td></td></tr> <tr><td>12125029</td><td>AMMONIUM</td><td>0,19</td><td>0,097</td><td></td></tr> </tbody> </table>	CAS No.	Pollutant	%	0 to 10	Unc.		WAT. SOL. CHLORIDE	3,122	0,427			NITRATES	0,126	0,038			WAT. SOL. PHOSPHATE	0,077	0,083			SULFATES	0,884	0,077		12125029	AMMONIUM	0,19	0,097		<p>Profile Number 11508 Profile Name Oil-Fired Power Plant</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">CAS No.</th> <th style="width: 25%;">Pollutant</th> <th style="width: 10%;">%</th> <th style="width: 10%;">0 to 10</th> <th style="width: 10%;">Unc.</th> </tr> </thead> <tbody> <tr><td>7440235</td><td>SODIUM</td><td>2,594</td><td>1,093</td><td></td></tr> <tr><td>7429905</td><td>ALUMINUM</td><td>0,602</td><td>0,398</td><td></td></tr> <tr><td>7440213</td><td>SILICON</td><td>2,25</td><td>1,507</td><td></td></tr> <tr><td>7723140</td><td>PHOSPHORUS</td><td>1,544</td><td>0,42</td><td></td></tr> <tr><td>7704349</td><td>SULFUR</td><td>10,889</td><td>2,155</td><td></td></tr> </tbody> </table>	CAS No.	Pollutant	%	0 to 10	Unc.	7440235	SODIUM	2,594	1,093		7429905	ALUMINUM	0,602	0,398		7440213	SILICON	2,25	1,507		7723140	PHOSPHORUS	1,544	0,42		7704349	SULFUR	10,889	2,155																																																																																																																																													
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7440235	SODIUM	0,274	0,039	7782505	CHLORINE	0,026	0,082
7439954	MAGNESIUM	0,045	0,027	7440097	POTASSIUM	0,171	0,074
	WAT. SOL. POTASSIUM	3,072	0,196	7440702	CALCIUM	3,633	3,387
	ORGANIC CARBON	26,327	6,591		ORGANIC CARBON	3,689	6,924
7440440	ELEMENTAL CARBON	7,147	1,455	7440440	ELEMENTAL CARBON	8,439	2,241
	CARBONATES	0,015	0,03		SULFATES	40,389	6,763
7429905	ALUMINUM	0,016	0,069	7440326	TITANIUM	0,086	0,145
7440213	SILICON	0,364	0,28	7440622	VANADIUM	1,122	0,74
7723140	PHOSPHORUS	0,073	0,1	7440473	CHROMIUM	0,024	0,022
7704349	SULFUR	0,728	0,226	7439965	MANGANESE	0,036	0,022
7782505	CHLORINE	4,955	1,675	7439896	IRON	1,578	0,468
7440097	POTASSIUM	4,409	1,287	7440484	COBALT	0,076	0,03
7440702	CALCIUM	0,572	0,626	7440020	NICKEL	1,533	0,468
7440326	TITANIUM	0,006	0,033	7440508	COPPER	0,1	0,04
7440622	VANADIUM	0,002	0,014	7440666	ZINC	1,222	0,516
7440473	CHROMIUM	0,001	0,003	7440382	ARSENIC	0,003	0,005
7439965	MANGANESE	0,021	0,022	7782492	SELENIUM	0,002	0,003
7439896	IRON	0,033	0,021	7726956	BROMINE	0,011	0,006
7440484	COBALT	0	0,001	7440246	STRONTIUM	0,021	0,024
7440020	NICKEL	0	0,001	7440677	ZIRCONIUM	0,031	0,1
7440508	COPPER	0	0,002	7439987	MOLYBDENUM	0,086	0,031
7440666	ZINC	0,004	0,002	7440315	TIN	0,032	0,016
7726956	BROMINE	0,023	0,009	7440360	ANTIMONY	0,034	0,031
7440177	RUBIDIUM	0,009	0,004	7440393	BARIUM	0,206	0,232
7440246	STRONTIUM	0,004	0,005	7439910	LANTHANUM	0,021	0,033
7440655	YTTRIUM	0	0,003	7440451	CERIUM	0,011	0,017
7440053	PALLADIUM	0	0,013	7440008	NEODYMIUM	0,005	0,023
7440224	SILVER	0,001	0,015	7440199	SAMARIUM	0,001	0,004
7440439	CADMIUM	0,001	0,016	7439921	LEAD	1,867	0,636
7440315	TIN	0,001	0,026				
7440360	ANTIMONY	0,002	0,029				
7440393	BARIUM	0,012	0,103				
206440	FLUORANTHENE	0,002	0,001				
129000	PYRENE	0,002	0,001				
7440508	COPPER	0,001	0,001				
7440666	ZINC	0,004	0,001				
7440553	GALLIUM	0	0,003				
7440382	ARSENIC	0,001	0,003				
7726956	BROMINE	0,02	0,002				
7440177	RUBIDIUM	0,011	0,002				
7440246	STRONTIUM	0,001	0,002				
7440655	YTTRIUM	0	0,002				
7439987	MOLYBDENUM	0	0,004				
7440053	PALLADIUM	0	0,008				
7440439	CADMIUM	0,001	0,011				
7440315	TIN	0,001	0,018				
7440360	ANTIMONY	0,002	0,019				
7439910	LANTHANUM	0,004	0,079				
7439976	MERCURY	0,001	0,005				
7439921	LEAD	0,001	0,004				
85018	PHENANTHRENE	0,001	0,001				
120127	ANTHRACENE	0,001	0				
206440	FLUORANTHENE	0,001	0				
129000	PYRENE	0,002	0,001				
	BENZO (C) PHENANTHRENE	0,001	0				
218019	CHRYSENE	0,002	0,001				
	BENZO (B+K) FLUORANTHE	0,001	0				
50328	BENZO (A) PYRENE	0,001	0				
646311	TETRACOSANE	0,002	0,001				
629992	PENTACOSANE	0,005	0,002				
593497	HEPTACOSANE	0,023	0,015				
630024	OCTACOSANE	0,006	0,002				
630035	NONACOSANE	0,034	0,022				
638675	TRICOSANE	0,007	0,004				
218019	CHRYSENE	0,002	0,001				
192972	BENZO (E) PYRENE	0,001	0				
50328	BENZO (A) PYRENE	0,001	0,001				
191242	BENZO (GHI) PERYLENE	0,001	0				
646311	TETRACOSANE	0,003	0,002				
629992	PENTACOSANE	0,017	0,006				
630013	HEXACOSANE	0,008	0,003				
593497	HEPTACOSANE	0,046	0,033				
630024	OCTACOSANE	0,012	0,004				
630035	NONACOSANE	0,056	0,038				
638675	TRICOSANE	0,011	0,008				

<p>Profile Number 32203 Profile Name Heavy Duty Vehicles - Diesel</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;"></th> <th style="width: 15%;"></th> <th colspan="2" style="text-align: center;">0 to 10</th> </tr> <tr> <th style="text-align: left;">CAS No.</th> <th style="text-align: left;">Pollutant</th> <th style="text-align: center;">%</th> <th style="text-align: center;">Unc.</th> </tr> </thead> <tbody> <tr><td>7429905</td><td>ALUMINIUM</td><td style="text-align: right;">0,137</td><td style="text-align: right;">1,548</td></tr> <tr><td>7440213</td><td>SILICON</td><td style="text-align: right;">0,11</td><td style="text-align: right;">1,214</td></tr> <tr><td>7723140</td><td>PHOSPHORUS</td><td style="text-align: right;">0,071</td><td style="text-align: right;">0,386</td></tr> <tr><td>7704349</td><td>SULFUR</td><td style="text-align: right;">0,347</td><td style="text-align: right;">0,759</td></tr> <tr><td>7782505</td><td>CHLORINE</td><td style="text-align: right;">0,051</td><td style="text-align: right;">0,614</td></tr> <tr><td>7440097</td><td>POTASSIUM</td><td style="text-align: right;">0,018</td><td style="text-align: right;">0,214</td></tr> <tr><td>7440702</td><td>CALCIUM</td><td style="text-align: right;">0,069</td><td style="text-align: right;">0,243</td></tr> <tr><td></td><td>ORGANIC CARBON</td><td style="text-align: right;">37,83</td><td style="text-align: right;">68,989</td></tr> <tr><td>7440440</td><td>ELEMENTAL CARBON</td><td style="text-align: right;">50,035</td><td style="text-align: right;">21,021</td></tr> <tr><td>7440326</td><td>TITANIUM</td><td style="text-align: right;">0,009</td><td style="text-align: right;">0,605</td></tr> <tr><td>7440622</td><td>VANADIUM</td><td style="text-align: right;">0,004</td><td style="text-align: right;">0,238</td></tr> <tr><td>7440473</td><td>CHROMIUM</td><td style="text-align: right;">0,011</td><td style="text-align: right;">0,13</td></tr> <tr><td>7439965</td><td>MANGANESE</td><td style="text-align: right;">0,011</td><td style="text-align: right;">0,089</td></tr> <tr><td>7439896</td><td>IRON</td><td style="text-align: right;">0,015</td><td style="text-align: right;">0,276</td></tr> <tr><td>7440020</td><td>NICKEL</td><td style="text-align: right;">0,004</td><td style="text-align: right;">0,035</td></tr> <tr><td>7440508</td><td>COPPER</td><td style="text-align: right;">0,004</td><td style="text-align: right;">0,067</td></tr> <tr><td>7440666</td><td>ZINC</td><td style="text-align: right;">0,055</td><td style="text-align: right;">0,111</td></tr> <tr><td>7782492</td><td>SELENIUM</td><td style="text-align: right;">0,006</td><td style="text-align: right;">0,055</td></tr> <tr><td>7726956</td><td>BROMINE</td><td style="text-align: right;">0,012</td><td style="text-align: right;">0,103</td></tr> <tr><td>7440224</td><td>SILVER</td><td style="text-align: right;">0,008</td><td style="text-align: right;">0,201</td></tr> <tr><td>7439976</td><td>MERCURY</td><td style="text-align: right;">0,002</td><td style="text-align: right;">0,035</td></tr> <tr><td>7439921</td><td>LEAD</td><td style="text-align: right;">0,081</td><td style="text-align: right;">0,617</td></tr> </tbody> </table>			0 to 10		CAS No.	Pollutant	%	Unc.	7429905	ALUMINIUM	0,137	1,548	7440213	SILICON	0,11	1,214	7723140	PHOSPHORUS	0,071	0,386	7704349	SULFUR	0,347	0,759	7782505	CHLORINE	0,051	0,614	7440097	POTASSIUM	0,018	0,214	7440702	CALCIUM	0,069	0,243		ORGANIC CARBON	37,83	68,989	7440440	ELEMENTAL CARBON	50,035	21,021	7440326	TITANIUM	0,009	0,605	7440622	VANADIUM	0,004	0,238	7440473	CHROMIUM	0,011	0,13	7439965	MANGANESE	0,011	0,089	7439896	IRON	0,015	0,276	7440020	NICKEL	0,004	0,035	7440508	COPPER	0,004	0,067	7440666	ZINC	0,055	0,111	7782492	SELENIUM	0,006	0,055	7726956	BROMINE	0,012	0,103	7440224	SILVER	0,008	0,201	7439976	MERCURY	0,002	0,035	7439921	LEAD	0,081	0,617	<p>Profile Number 11506 Profile Name Oil-Fired Power Plant</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;"></th> <th style="width: 15%;"></th> <th colspan="2" style="text-align: center;">0 to 10</th> </tr> <tr> <th style="text-align: left;">CAS No.</th> <th style="text-align: left;">Pollutant</th> <th style="text-align: center;">%</th> <th style="text-align: center;">Unc.</th> </tr> </thead> <tbody> <tr><td>7440235</td><td>SODIUM</td><td style="text-align: right;">0,2</td><td style="text-align: right;">0</td></tr> <tr><td>7439954</td><td>MAGNESIUM</td><td style="text-align: right;">2,4</td><td style="text-align: right;">0</td></tr> <tr><td>7429905</td><td>ALUMINIUM</td><td style="text-align: right;">1,42</td><td style="text-align: right;">0</td></tr> <tr><td>7440213</td><td>SILICON</td><td style="text-align: right;">0,22</td><td style="text-align: right;">0</td></tr> <tr><td>7723140</td><td>PHOSPHORUS</td><td style="text-align: right;">0,05</td><td style="text-align: right;">0</td></tr> <tr><td>7704349</td><td>SULFUR</td><td style="text-align: right;">16,432</td><td style="text-align: right;">0</td></tr> <tr><td>7440097</td><td>POTASSIUM</td><td style="text-align: right;">0,12</td><td style="text-align: right;">0</td></tr> <tr><td>7440702</td><td>CALCIUM</td><td style="text-align: right;">0,32</td><td style="text-align: right;">0</td></tr> <tr><td></td><td>TOTAL CARBON</td><td style="text-align: right;">14,501</td><td style="text-align: right;">0</td></tr> <tr><td></td><td>SULFATES</td><td style="text-align: right;">49,205</td><td style="text-align: right;">0</td></tr> <tr><td>7440326</td><td>TITANIUM</td><td style="text-align: right;">0,07</td><td style="text-align: right;">0</td></tr> <tr><td>7440622</td><td>VANADIUM</td><td style="text-align: right;">1,1</td><td style="text-align: right;">0</td></tr> <tr><td>7440473</td><td>CHROMIUM</td><td style="text-align: right;">0,045</td><td style="text-align: right;">0</td></tr> <tr><td>7439965</td><td>MANGANESE</td><td style="text-align: right;">0,03</td><td style="text-align: right;">0</td></tr> <tr><td>7439896</td><td>IRON</td><td style="text-align: right;">0,4</td><td style="text-align: right;">0</td></tr> <tr><td>7440484</td><td>COBALT</td><td style="text-align: right;">0,03</td><td style="text-align: right;">0</td></tr> <tr><td>7440020</td><td>NICKEL</td><td style="text-align: right;">0,35</td><td style="text-align: right;">0</td></tr> <tr><td>7440508</td><td>COPPER</td><td style="text-align: right;">0,04</td><td style="text-align: right;">0</td></tr> <tr><td>7440666</td><td>ZINC</td><td style="text-align: right;">0,02</td><td style="text-align: right;">0</td></tr> <tr><td>7440553</td><td>GALLIUM</td><td style="text-align: right;">0,004</td><td style="text-align: right;">0</td></tr> <tr><td>7440382</td><td>ARSENIC</td><td style="text-align: right;">0,002</td><td style="text-align: right;">0</td></tr> <tr><td>7782492</td><td>SELENIUM</td><td style="text-align: right;">0,001</td><td style="text-align: right;">0</td></tr> <tr><td>7440177</td><td>RUBIDIUM</td><td style="text-align: right;">0,001</td><td style="text-align: right;">0</td></tr> <tr><td>7440246</td><td>STRONTIUM</td><td style="text-align: right;">0,02</td><td style="text-align: right;">0</td></tr> <tr><td>7440655</td><td>YTTRIUM</td><td style="text-align: right;">0,001</td><td style="text-align: right;">0</td></tr> <tr><td>7440677</td><td>ZIRCONIUM</td><td style="text-align: right;">0,001</td><td style="text-align: right;">0</td></tr> <tr><td>7439987</td><td>MOLYBDENUM</td><td style="text-align: right;">0,015</td><td style="text-align: right;">0</td></tr> <tr><td>7440360</td><td>ANTIMONY</td><td style="text-align: right;">0,015</td><td style="text-align: right;">0</td></tr> <tr><td>7440393</td><td>BARIUM</td><td style="text-align: right;">0,1</td><td style="text-align: right;">0</td></tr> <tr><td>7439910</td><td>LANTHANUM</td><td style="text-align: right;">0,015</td><td style="text-align: right;">0</td></tr> <tr><td>7440451</td><td>CERIUM</td><td style="text-align: right;">0,01</td><td style="text-align: right;">0</td></tr> <tr><td>7439921</td><td>LEAD</td><td style="text-align: right;">0,03</td><td style="text-align: right;">0</td></tr> </tbody> </table>			0 to 10		CAS No.	Pollutant	%	Unc.	7440235	SODIUM	0,2	0	7439954	MAGNESIUM	2,4	0	7429905	ALUMINIUM	1,42	0	7440213	SILICON	0,22	0	7723140	PHOSPHORUS	0,05	0	7704349	SULFUR	16,432	0	7440097	POTASSIUM	0,12	0	7440702	CALCIUM	0,32	0		TOTAL CARBON	14,501	0		SULFATES	49,205	0	7440326	TITANIUM	0,07	0	7440622	VANADIUM	1,1	0	7440473	CHROMIUM	0,045	0	7439965	MANGANESE	0,03	0	7439896	IRON	0,4	0	7440484	COBALT	0,03	0	7440020	NICKEL	0,35	0	7440508	COPPER	0,04	0	7440666	ZINC	0,02	0	7440553	GALLIUM	0,004	0	7440382	ARSENIC	0,002	0	7782492	SELENIUM	0,001	0	7440177	RUBIDIUM	0,001	0	7440246	STRONTIUM	0,02	0	7440655	YTTRIUM	0,001	0	7440677	ZIRCONIUM	0,001	0	7439987	MOLYBDENUM	0,015	0	7440360	ANTIMONY	0,015	0	7440393	BARIUM	0,1	0	7439910	LANTHANUM	0,015	0	7440451	CERIUM	0,01	0	7439921	LEAD	0,03	0
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<p>Profile Number 11508 Profile Name Oil-Fired Power Plant</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;"></th> <th style="width: 15%;"></th> <th colspan="2" style="text-align: center;">0 to 10</th> </tr> <tr> <th style="text-align: left;">CAS No.</th> <th style="text-align: left;">Pollutant</th> <th style="text-align: center;">%</th> <th style="text-align: center;">Unc.</th> </tr> </thead> <tbody> <tr><td>7440235</td><td>SODIUM</td><td style="text-align: right;">2,594</td><td style="text-align: right;">1,093</td></tr> <tr><td>7429905</td><td>ALUMINIUM</td><td style="text-align: right;">0,602</td><td style="text-align: right;">0,398</td></tr> <tr><td>7440213</td><td>SILICON</td><td style="text-align: right;">2,25</td><td style="text-align: right;">1,507</td></tr> <tr><td>7723140</td><td>PHOSPHORUS</td><td style="text-align: right;">1,544</td><td style="text-align: right;">0,42</td></tr> <tr><td>7704349</td><td>SULFUR</td><td style="text-align: right;">10,889</td><td style="text-align: right;">2,155</td></tr> <tr><td>7782505</td><td>CHLORINE</td><td style="text-align: right;">0,026</td><td style="text-align: right;">0,082</td></tr> <tr><td>7440097</td><td>POTASSIUM</td><td style="text-align: right;">0,171</td><td style="text-align: right;">0,074</td></tr> <tr><td>7440702</td><td>CALCIUM</td><td style="text-align: right;">3,633</td><td style="text-align: right;">3,387</td></tr> <tr><td></td><td>ORGANIC CARBON</td><td style="text-align: right;">3,689</td><td style="text-align: right;">6,924</td></tr> <tr><td>7440440</td><td>ELEMENTAL CARBON</td><td style="text-align: right;">8,439</td><td style="text-align: right;">2,241</td></tr> <tr><td></td><td>SULFATES</td><td style="text-align: right;">40,389</td><td style="text-align: right;">6,763</td></tr> <tr><td>7440326</td><td>TITANIUM</td><td style="text-align: right;">0,086</td><td style="text-align: right;">0,145</td></tr> <tr><td>7440622</td><td>VANADIUM</td><td style="text-align: right;">1,122</td><td style="text-align: right;">0,74</td></tr> <tr><td>7440473</td><td>CHROMIUM</td><td style="text-align: right;">0,024</td><td style="text-align: right;">0,022</td></tr> <tr><td>7439965</td><td>MANGANESE</td><td style="text-align: right;">0,036</td><td style="text-align: right;">0,022</td></tr> <tr><td>7439896</td><td>IRON</td><td style="text-align: right;">1,578</td><td style="text-align: right;">0,468</td></tr> <tr><td>7440484</td><td>COBALT</td><td style="text-align: right;">0,076</td><td style="text-align: right;">0,03</td></tr> <tr><td>7440020</td><td>NICKEL</td><td style="text-align: right;">1,533</td><td style="text-align: right;">0,468</td></tr> <tr><td>7440508</td><td>COPPER</td><td style="text-align: right;">0,1</td><td style="text-align: right;">0,04</td></tr> <tr><td>7440666</td><td>ZINC</td><td style="text-align: right;">1,222</td><td style="text-align: right;">0,516</td></tr> <tr><td>7440382</td><td>ARSENIC</td><td style="text-align: right;">0,003</td><td style="text-align: right;">0,005</td></tr> <tr><td>7782492</td><td>SELENIUM</td><td style="text-align: right;">0,002</td><td style="text-align: right;">0,003</td></tr> <tr><td>7726956</td><td>BROMINE</td><td style="text-align: right;">0,011</td><td style="text-align: right;">0,006</td></tr> <tr><td>7440246</td><td>STRONTIUM</td><td style="text-align: right;">0,021</td><td style="text-align: right;">0,024</td></tr> <tr><td>7440677</td><td>ZIRCONIUM</td><td style="text-align: right;">0,031</td><td style="text-align: right;">0,1</td></tr> <tr><td>7439987</td><td>MOLYBDENUM</td><td style="text-align: right;">0,086</td><td style="text-align: right;">0,031</td></tr> </tbody> </table>			0 to 10		CAS No.	Pollutant	%	Unc.	7440235	SODIUM	2,594	1,093	7429905	ALUMINIUM	0,602	0,398	7440213	SILICON	2,25	1,507	7723140	PHOSPHORUS	1,544	0,42	7704349	SULFUR	10,889	2,155	7782505	CHLORINE	0,026	0,082	7440097	POTASSIUM	0,171	0,074	7440702	CALCIUM	3,633	3,387		ORGANIC CARBON	3,689	6,924	7440440	ELEMENTAL CARBON	8,439	2,241		SULFATES	40,389	6,763	7440326	TITANIUM	0,086	0,145	7440622	VANADIUM	1,122	0,74	7440473	CHROMIUM	0,024	0,022	7439965	MANGANESE	0,036	0,022	7439896	IRON	1,578	0,468	7440484	COBALT	0,076	0,03	7440020	NICKEL	1,533	0,468	7440508	COPPER	0,1	0,04	7440666	ZINC	1,222	0,516	7440382	ARSENIC	0,003	0,005	7782492	SELENIUM	0,002	0,003	7726956	BROMINE	0,011	0,006	7440246	STRONTIUM	0,021	0,024	7440677	ZIRCONIUM	0,031	0,1	7439987	MOLYBDENUM	0,086	0,031	<p>Profile Number 41401 Profile Name Road Sand And Salt Mixture</p> <table style="width: 100%; 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<table style="width: 100%; border-collapse: collapse;"> <tr><td>Profile Number</td><td>22202</td></tr> <tr><td>Profile Name</td><td>Sawdust</td></tr> <tr><td colspan="2" style="text-align: center;">0 to 10</td></tr> <tr> <td style="text-align: center;">CAS No.</td> <td style="text-align: center;">Pollutant</td> <td style="text-align: center;">%</td> <td style="text-align: center;">Unc.</td> <td style="border-left: 1px dashed black;"></td> </tr> <tr><td>7440235</td><td>SODIUM</td><td>0,24</td><td>0,131</td><td> </td></tr> <tr><td>7429905</td><td>ALUMINUM</td><td>0,169</td><td>0,141</td><td> </td></tr> <tr><td>7440213</td><td>SILICON</td><td>0,277</td><td>0,38</td><td> </td></tr> <tr><td>7782505</td><td>CHLORINE</td><td>0,044</td><td>0,127</td><td> </td></tr> <tr><td>7440097</td><td>POTASSIUM</td><td>0,034</td><td>0,045</td><td> </td></tr> <tr><td>7440702</td><td>CALCIUM</td><td>0,272</td><td>0,378</td><td> </td></tr> <tr><td></td><td>ORGANIC CARBON</td><td>49,754</td><td>10,127</td><td> </td></tr> <tr><td>7440440</td><td>ELEMENTAL CARBON</td><td>4,612</td><td>1,779</td><td> </td></tr> <tr><td>7439965</td><td>MANGANESE</td><td>0,01</td><td>0</td><td> </td></tr> <tr><td>7439896</td><td>IRON</td><td>0,2</td><td>0,188</td><td> </td></tr> </table>	Profile Number	22202	Profile Name	Sawdust	0 to 10		CAS No.	Pollutant	%	Unc.		7440235	SODIUM	0,24	0,131		7429905	ALUMINUM	0,169	0,141		7440213	SILICON	0,277	0,38		7782505	CHLORINE	0,044	0,127		7440097	POTASSIUM	0,034	0,045		7440702	CALCIUM	0,272	0,378			ORGANIC CARBON	49,754	10,127		7440440	ELEMENTAL CARBON	4,612	1,779		7439965	MANGANESE	0,01	0		7439896	IRON	0,2	0,188		<table style="width: 100%; border-collapse: collapse;"> <tr><td>Profile Number</td><td>43307</td></tr> <tr><td>Profile Name</td><td>Sediment, Crustal</td></tr> <tr><td colspan="2" style="text-align: center;">0 to 10</td></tr> <tr> <td style="text-align: center;">CAS No.</td> <td style="text-align: center;">Pollutant</td> <td style="text-align: center;">%</td> <td style="text-align: center;">Unc.</td> <td style="border-left: 1px dashed black;"></td> </tr> <tr><td>7440235</td><td>SODIUM</td><td>0,839</td><td>0</td><td> </td></tr> <tr><td>7439954</td><td>MAGNESIUM</td><td>1,598</td><td>0</td><td> </td></tr> <tr><td>7429905</td><td>ALUMINUM</td><td>7,083</td><td>0</td><td> </td></tr> <tr><td>7440213</td><td>SILICON</td><td>27,063</td><td>0</td><td> </td></tr> <tr><td>7723140</td><td>PHOSPHORUS</td><td>0,057</td><td>0</td><td> </td></tr> <tr><td>7704349</td><td>SULFUR</td><td>0,216</td><td>0</td><td> </td></tr> <tr><td>7440097</td><td>POTASSIUM</td><td>2,374</td><td>0</td><td> </td></tr> <tr><td>7440702</td><td>CALCIUM</td><td>4,211</td><td>0</td><td> </td></tr> <tr><td>7440440</td><td>ELEMENTAL CARBON</td><td>2,129</td><td>0</td><td> </td></tr> <tr><td>7440326</td><td>TITANIUM</td><td>0,341</td><td>0</td><td> </td></tr> <tr><td>7439896</td><td>IRON</td><td>4,042</td><td>0</td><td> </td></tr> </table>	Profile Number	43307	Profile Name	Sediment, Crustal	0 to 10		CAS No.	Pollutant	%	Unc.		7440235	SODIUM	0,839	0		7439954	MAGNESIUM	1,598	0		7429905	ALUMINUM	7,083	0		7440213	SILICON	27,063	0		7723140	PHOSPHORUS	0,057	0		7704349	SULFUR	0,216	0		7440097	POTASSIUM	2,374	0		7440702	CALCIUM	4,211	0		7440440	ELEMENTAL CARBON	2,129	0		7440326	TITANIUM	0,341	0		7439896	IRON	4,042	0																																																																																																																																								
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border-collapse: collapse;"> <tr><td>Profile Number</td><td>17120</td></tr> <tr><td>Profile Name</td><td>Sewage Sludge Incineration - Composite</td></tr> <tr><td colspan="2" style="text-align: center;">0 to 10</td></tr> <tr> <td style="text-align: center;">CAS No.</td> <td style="text-align: center;">Pollutant</td> <td style="text-align: center;">%</td> <td style="text-align: center;">Unc.</td> <td style="border-left: 1px dashed black;"></td> </tr> <tr><td>7440235</td><td>SODIUM</td><td>1,41</td><td>0</td><td> </td></tr> <tr><td>7439954</td><td>MAGNESIUM</td><td>0,65</td><td>0</td><td> </td></tr> <tr><td>7429905</td><td>ALUMINUM</td><td>1,8</td><td>0</td><td> </td></tr> <tr><td>7440213</td><td>SILICON</td><td>4,77</td><td>0</td><td> </td></tr> <tr><td>7723140</td><td>PHOSPHORUS</td><td>3,26</td><td>0</td><td> </td></tr> <tr><td>7704349</td><td>SULFUR</td><td>6,33</td><td>0</td><td> </td></tr> <tr><td>7782505</td><td>CHLORINE</td><td>1,48</td><td>0</td><td> </td></tr> <tr><td>7440097</td><td>POTASSIUM</td><td>0,96</td><td>0</td><td> </td></tr> <tr><td>7440702</td><td>CALCIUM</td><td>5,07</td><td>0</td><td> </td></tr> <tr><td>7440326</td><td>TITANIUM</td><td>0,44</td><td>0</td><td> </td></tr> <tr><td>7440622</td><td>VANADIUM</td><td>0,18</td><td>0</td><td> </td></tr> <tr><td>7440473</td><td>CHROMIUM</td><td>0,58</td><td>0</td><td> </td></tr> <tr><td>7439965</td><td>MANGANESE</td><td>0,21</td><td>0</td><td> </td></tr> <tr><td>7439896</td><td>IRON</td><td>5,38</td><td>0</td><td> </td></tr> <tr><td>7440508</td><td>COPPER</td><td>0,88</td><td>0</td><td> </td></tr> <tr><td>7440666</td><td>ZINC</td><td>0,361</td><td>0</td><td> </td></tr> <tr><td>7782492</td><td>SELENIUM</td><td>0,15</td><td>0</td><td> </td></tr> <tr><td>7726956</td><td>BROMINE</td><td>0,38</td><td>0</td><td> </td></tr> <tr><td>7440439</td><td>CADMIUM</td><td>0,83</td><td>0</td><td> </td></tr> <tr><td>7440315</td><td>TIN</td><td>1,39</td><td>0</td><td> </td></tr> <tr><td>7440360</td><td>ANTIMONY</td><td>0,05</td><td>0</td><td> </td></tr> <tr><td>7440393</td><td>BARIUM</td><td>0,27</td><td>0</td><td> </td></tr> <tr><td>7439921</td><td>LEAD</td><td>2,94</td><td>0</td><td> </td></tr> </table>	Profile Number	17120	Profile Name	Sewage Sludge Incineration - Composite	0 to 10		CAS No.	Pollutant	%	Unc.		7440235	SODIUM	1,41	0		7439954	MAGNESIUM	0,65	0		7429905	ALUMINUM	1,8	0		7440213	SILICON	4,77	0		7723140	PHOSPHORUS	3,26	0		7704349	SULFUR	6,33	0		7782505	CHLORINE	1,48	0		7440097	POTASSIUM	0,96	0		7440702	CALCIUM	5,07	0		7440326	TITANIUM	0,44	0		7440622	VANADIUM	0,18	0		7440473	CHROMIUM	0,58	0		7439965	MANGANESE	0,21	0		7439896	IRON	5,38	0		7440508	COPPER	0,88	0		7440666	ZINC	0,361	0		7782492	SELENIUM	0,15	0		7726956	BROMINE	0,38	0		7440439	CADMIUM	0,83	0		7440315	TIN	1,39	0		7440360	ANTIMONY	0,05	0		7440393	BARIUM	0,27	0		7439921	LEAD	2,94	0	
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7439965	MANGANESE	0,21	0																																																																																																																																																																																																																																																																				
7439896	IRON	5,38	0																																																																																																																																																																																																																																																																				
7440508	COPPER	0,88	0																																																																																																																																																																																																																																																																				
7440666	ZINC	0,361	0																																																																																																																																																																																																																																																																				
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7440360	ANTIMONY	0,05	0																																																																																																																																																																																																																																																																				
7440393	BARIUM	0,27	0																																																																																																																																																																																																																																																																				
7439921	LEAD	2,94	0																																																																																																																																																																																																																																																																				
<table style="width: 100%; border-collapse: collapse;"> <tr><td>Profile Number</td><td>43305</td></tr> <tr><td>Profile Name</td><td>Shale, Crustal</td></tr> <tr><td colspan="2" style="text-align: center;">0 to 10</td></tr> <tr> <td style="text-align: center;">CAS No.</td> <td style="text-align: center;">Pollutant</td> <td style="text-align: center;">%</td> <td style="text-align: center;">Unc.</td> <td style="border-left: 1px dashed black;"></td> </tr> <tr><td>7440235</td><td>SODIUM</td><td>0,96</td><td>0</td><td> </td></tr> <tr><td>7439954</td><td>MAGNESIUM</td><td>1,5</td><td>0</td><td> </td></tr> <tr><td>7429905</td><td>ALUMINUM</td><td>8</td><td>0</td><td> </td></tr> <tr><td>7440213</td><td>SILICON</td><td>27,3</td><td>0</td><td> </td></tr> <tr><td>7723140</td><td>PHOSPHORUS</td><td>0,07</td><td>0</td><td> </td></tr> <tr><td>7704349</td><td>SULFUR</td><td>0,24</td><td>0</td><td> </td></tr> <tr><td>7782505</td><td>CHLORINE</td><td>0,018</td><td>0</td><td> </td></tr> <tr><td>7440097</td><td>POTASSIUM</td><td>2,66</td><td>0</td><td> </td></tr> <tr><td>7440702</td><td>CALCIUM</td><td>2,21</td><td>0</td><td> </td></tr> <tr><td>7440440</td><td>ELEMENTAL CARBON</td><td>1,5</td><td>0</td><td> </td></tr> <tr><td>7440326</td><td>TITANIUM</td><td>0,46</td><td>0</td><td> </td></tr> </table>	Profile Number	43305	Profile Name	Shale, Crustal	0 to 10		CAS No.	Pollutant	%	Unc.		7440235	SODIUM	0,96	0		7439954	MAGNESIUM	1,5	0		7429905	ALUMINUM	8	0		7440213	SILICON	27,3	0		7723140	PHOSPHORUS	0,07	0		7704349	SULFUR	0,24	0		7782505	CHLORINE	0,018	0		7440097	POTASSIUM	2,66	0		7440702	CALCIUM	2,21	0		7440440	ELEMENTAL CARBON	1,5	0		7440326	TITANIUM	0,46	0		<table style="width: 100%; border-collapse: collapse;"> <tr><td>Profile Number</td><td>42307</td></tr> <tr><td>Profile Name</td><td>Slash Burning (Hardwood-Flaming Phase)</td></tr> <tr><td colspan="2" style="text-align: center;">0 to 10</td></tr> <tr> <td style="text-align: center;">CAS No.</td> <td style="text-align: center;">Pollutant</td> <td style="text-align: center;">%</td> <td style="text-align: center;">Unc.</td> <td style="border-left: 1px dashed black;"></td> </tr> <tr><td>7429905</td><td>ALUMINUM</td><td>0,28</td><td>0</td><td> </td></tr> <tr><td>7440213</td><td>SILICON</td><td>0,427</td><td>0</td><td> </td></tr> <tr><td>7723140</td><td>PHOSPHORUS</td><td>0,237</td><td>0</td><td> </td></tr> <tr><td>7704349</td><td>SULFUR</td><td>1,118</td><td>0</td><td> </td></tr> <tr><td>7782505</td><td>CHLORINE</td><td>2,703</td><td>0</td><td> </td></tr> <tr><td>7440097</td><td>POTASSIUM</td><td>5,014</td><td>0</td><td> </td></tr> <tr><td>7440702</td><td>CALCIUM</td><td>0,181</td><td>0</td><td> </td></tr> <tr><td></td><td>ORGANIC CARBON</td><td>60,3</td><td>0</td><td> </td></tr> <tr><td>7440440</td><td>ELEMENTAL CARBON</td><td>8,3</td><td>0</td><td> </td></tr> <tr><td>7440326</td><td>TITANIUM</td><td>0,019</td><td>0</td><td> </td></tr> <tr><td>7440622</td><td>VANADIUM</td><td>0,006</td><td>0</td><td> </td></tr> </table>	Profile Number	42307	Profile Name	Slash Burning (Hardwood-Flaming Phase)	0 to 10		CAS No.	Pollutant	%	Unc.		7429905	ALUMINUM	0,28	0		7440213	SILICON	0,427	0		7723140	PHOSPHORUS	0,237	0		7704349	SULFUR	1,118	0		7782505	CHLORINE	2,703	0		7440097	POTASSIUM	5,014	0		7440702	CALCIUM	0,181	0			ORGANIC CARBON	60,3	0		7440440	ELEMENTAL CARBON	8,3	0		7440326	TITANIUM	0,019	0		7440622	VANADIUM	0,006	0																																																																																																																																			
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<p>Profile Number 42308 Profile Name Slash Burning (Hardwood-Smoldering Phase) 0 to 10</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">CAS No.</th> <th style="width: 35%;">Pollutant</th> <th style="width: 10%;">%</th> <th style="width: 10%;">Unc.</th> <th style="width: 5%;"></th> </tr> </thead> <tbody> <tr><td>7429905</td><td>ALUMINUM</td><td>0,181</td><td>0</td><td> </td></tr> <tr><td>7440213</td><td>SILICON</td><td>0,336</td><td>0</td><td> </td></tr> <tr><td>7723140</td><td>PHOSPHORUS</td><td>0,093</td><td>0</td><td> </td></tr> <tr><td>7704349</td><td>SULFUR</td><td>0,503</td><td>0</td><td> </td></tr> <tr><td>7782505</td><td>CHLORINE</td><td>0,468</td><td>0</td><td> </td></tr> <tr><td>7440097</td><td>POTASSIUM</td><td>0,577</td><td>0</td><td> </td></tr> <tr><td>7440702</td><td>CALCIUM</td><td>0,183</td><td>0</td><td> </td></tr> <tr><td></td><td>ORGANIC CARBON</td><td>61,7</td><td>0</td><td> </td></tr> <tr><td>7440440</td><td>ELEMENTAL CARBON</td><td>2,7</td><td>0</td><td> </td></tr> <tr><td>7440326</td><td>TITANIUM</td><td>0,013</td><td>0</td><td> </td></tr> <tr><td>7440622</td><td>VANADIUM</td><td>0,004</td><td>0</td><td> </td></tr> <tr><td>7440473</td><td>CHROMIUM</td><td>0,003</td><td>0</td><td> </td></tr> <tr><td>7439965</td><td>MANGANESE</td><td>0,011</td><td>0</td><td> </td></tr> <tr><td>7439896</td><td>IRON</td><td>0,062</td><td>0</td><td> </td></tr> <tr><td>7440020</td><td>NICKEL</td><td>0,003</td><td>0</td><td> </td></tr> <tr><td>7440508</td><td>COPPER</td><td>0,001</td><td>0</td><td> </td></tr> <tr><td>7440666</td><td>ZINC</td><td>0,014</td><td>0</td><td> </td></tr> <tr><td>7726956</td><td>BROMINE</td><td>0,019</td><td>0</td><td> </td></tr> <tr><td>7440224</td><td>SILVER</td><td>0,03</td><td>0</td><td> </td></tr> <tr><td>7440439</td><td>CADMIUM</td><td>0,066</td><td>0</td><td> </td></tr> <tr><td>7440315</td><td>TIN</td><td>0,043</td><td>0</td><td> </td></tr> <tr><td>7439921</td><td>LEAD</td><td>0,031</td><td>0</td><td> </td></tr> </tbody> </table>	CAS No.	Pollutant	%	Unc.		7429905	ALUMINUM	0,181	0		7440213	SILICON	0,336	0		7723140	PHOSPHORUS	0,093	0		7704349	SULFUR	0,503	0		7782505	CHLORINE	0,468	0		7440097	POTASSIUM	0,577	0		7440702	CALCIUM	0,183	0			ORGANIC CARBON	61,7	0		7440440	ELEMENTAL CARBON	2,7	0		7440326	TITANIUM	0,013	0		7440622	VANADIUM	0,004	0		7440473	CHROMIUM	0,003	0		7439965	MANGANESE	0,011	0		7439896	IRON	0,062	0		7440020	NICKEL	0,003	0		7440508	COPPER	0,001	0		7440666	ZINC	0,014	0		7726956	BROMINE	0,019	0		7440224	SILVER	0,03	0		7440439	CADMIUM	0,066	0		7440315	TIN	0,043	0		7439921	LEAD	0,031	0		<p>Profile Number 41220 Profile Name Unpaved Road Dust - Composite 0 to 10</p> <table style="width: 100%; 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	CAM2	CAM2	GRP6	GRP6	GRP6
Ag	0,0000	0,0000	0,0000	0,0000	0,0000
Al	0,2035	0,1988	0,2967	0,3110	0,3247
B	0,0000	0,0000	0,0000	0,0000	0,0000
Br	0,0010	0,0013	0,0023	0,0023	0,0023
Ca	0,0349	0,0663	0,0456	0,1030	0,0551
Cd	0,0000	0,0000	0,0000	0,0000	0,0000
Co	0,0001	0,0001	0,0001	0,0001	0,0001
Cr	0,0008	0,0008	0,0034	0,0010	0,0006
Cu	0,0001	0,0002	0,0000	0,0003	0,0000
Fe	0,0823	0,0787	0,1427	0,1437	0,1685
K	0,0223	0,0226	0,0412	0,0380	0,0424
Mg	0,0174	0,0178	0,0318	0,0324	0,0323
Mn	0,0012	0,0011	0,0017	0,0016	0,0018
Mo	0,0000	0,0000	0,0000	0,0000	0,0000
Na	0,0418	0,0455	0,0382	0,0090	0,0001
Ni	0,0012	0,0010	0,0018	0,0004	0,0010
Pb	0,0001	0,0001	0,0002	0,0017	0,0007
Pd	0,0000	0,0000	0,0000	0,0000	0,0000
Sb	0,0000	0,0000	0,0001	0,0001	0,0001
Sn	0,0001	0,0001	0,0001	0,0001	0,0001
Sr	0,0000	0,0000	0,0000	0,0000	0,0000
Te	0,0000	0,0000	0,0000	0,0000	0,0000
Ti	0,0138	0,0138	0,0168	0,0167	0,0184
V	0,0022	0,0022	0,0022	0,0019	0,0021
Zn	0,0009	0,0043	0,0022	0,0221	0,0069
Zr	0,0000	0,0000	0,0000	0,0000	0,0000
OC	0,0140	0,0178	0,0088	0,0065	0,0037
EC	0,2151	0,1938	0,1231	0,1114	0,0988
TC	0,2291	0,2116	0,1319	0,1179	0,1025
NH4+	0,0067	0,0043	0,0014	0,0003	0,0007
Cl-	0,0010	0,0013	0,0023	0,0020	0,0023
NO3-	0,0010	0,0019	0,0023	0,0023	0,0023
SO4--	0,1057	0,1183	0,0975	0,0693	0,1269

PM2.5

<p>Profile Number 42304 Profile Name Agricultural Field Burning</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">CAS No.</th> <th style="width: 35%;">Pollutant</th> <th style="width: 10%;">0 to 2.5 %</th> <th style="width: 10%;">2.5 to 5.0 %</th> <th style="width: 10%;">5.0 to 10.0 %</th> <th style="width: 10%;">10.0 to 20.0 %</th> <th style="width: 10%;">20.0 to 50.0 %</th> <th style="width: 10%;">50.0 to 100.0 %</th> </tr> </thead> <tbody> <tr><td>7440235</td><td>SODIUM</td><td>0,24</td><td>0,34</td><td></td><td></td><td></td><td></td></tr> <tr><td>7429905</td><td>ALUMINUM</td><td>0,34</td><td>0,3</td><td></td><td></td><td></td><td></td></tr> <tr><td>7440213</td><td>SILICON</td><td>0,3</td><td>0,2</td><td></td><td></td><td></td><td></td></tr> <tr><td>7704349</td><td>SULFUR</td><td>1,5</td><td>0,7</td><td></td><td></td><td></td><td></td></tr> <tr><td>7782505</td><td>CHLORINE</td><td>3,1</td><td>2</td><td></td><td></td><td></td><td></td></tr> <tr><td>7440097</td><td>POTASSIUM</td><td>5,9</td><td>2,5</td><td></td><td></td><td></td><td></td></tr> <tr><td>7440702</td><td>CALCIUM</td><td>0,4</td><td>0,3</td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td>ORGANIC CARBON</td><td>35,6</td><td>10,75</td><td></td><td></td><td></td><td></td></tr> <tr><td>7440440</td><td>ELEMENTAL CARBON</td><td>5,8</td><td>1,74</td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td>SULFATES</td><td>5</td><td>4,3</td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td>NITRATES</td><td>0,89</td><td>0,9</td><td></td><td></td><td></td><td></td></tr> <tr><td>7440326</td><td>TITANIUM</td><td>0,005</td><td>0,005</td><td></td><td></td><td></td><td></td></tr> <tr><td>7440473</td><td>CHROMIUM</td><td>0,005</td><td>0,007</td><td></td><td></td><td></td><td></td></tr> <tr><td>7439965</td><td>MANGANESE</td><td>0,004</td><td>0,005</td><td></td><td></td><td></td><td></td></tr> <tr><td>7439896</td><td>IRON</td><td>0,2</td><td>0,6</td><td></td><td></td><td></td><td></td></tr> <tr><td>7440508</td><td>COPPER</td><td>0,11</td><td>0,4</td><td></td><td></td><td></td><td></td></tr> <tr><td>7726956</td><td>BROMINE</td><td>0,03</td><td>0,04</td><td></td><td></td><td></td><td></td></tr> <tr><td>7439921</td><td>LEAD</td><td>0,03</td><td>0,04</td><td></td><td></td><td></td><td></td></tr> <tr><td>7782414</td><td>FLUORINE</td><td>0,32</td><td>0,15</td><td></td><td></td><td></td><td></td></tr> </tbody> </table>	CAS No.	Pollutant	0 to 2.5 %	2.5 to 5.0 %	5.0 to 10.0 %	10.0 to 20.0 %	20.0 to 50.0 %	50.0 to 100.0 %	7440235	SODIUM	0,24	0,34					7429905	ALUMINUM	0,34	0,3					7440213	SILICON	0,3	0,2					7704349	SULFUR	1,5	0,7					7782505	CHLORINE	3,1	2					7440097	POTASSIUM	5,9	2,5					7440702	CALCIUM	0,4	0,3						ORGANIC CARBON	35,6	10,75					7440440	ELEMENTAL CARBON	5,8	1,74						SULFATES	5	4,3						NITRATES	0,89	0,9					7440326	TITANIUM	0,005	0,005					7440473	CHROMIUM	0,005	0,007					7439965	MANGANESE	0,004	0,005					7439896	IRON	0,2	0,6					7440508	COPPER	0,11	0,4					7726956	BROMINE	0,03	0,04					7439921	LEAD	0,03	0,04					7782414	FLUORINE	0,32	0,15					<p>Profile Number 12710 Profile Name Boiler - #2 Fuel Oil Fired</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">CAS No.</th> <th style="width: 35%;">Pollutant</th> <th style="width: 10%;">0 to 2.5 %</th> <th style="width: 10%;">2.5 to 5.0 %</th> <th style="width: 10%;">5.0 to 10.0 %</th> <th style="width: 10%;">10.0 to 20.0 %</th> <th style="width: 10%;">20.0 to 50.0 %</th> <th style="width: 10%;">50.0 to 100.0 %</th> </tr> </thead> <tbody> <tr><td>7429905</td><td>ALUMINUM</td><td>0,42</td><td>0</td><td></td><td></td><td></td><td></td></tr> <tr><td>7440213</td><td>SILICON</td><td>0,89</td><td>0</td><td></td><td></td><td></td><td></td></tr> <tr><td>7723140</td><td>PHOSPHORUS</td><td>0,17</td><td>0</td><td></td><td></td><td></td><td></td></tr> <tr><td>7440097</td><td>POTASSIUM</td><td>0,002</td><td>0</td><td></td><td></td><td></td><td></td></tr> <tr><td>7440702</td><td>CALCIUM</td><td>0,006</td><td>0</td><td></td><td></td><td></td><td></td></tr> <tr><td>7440326</td><td>TITANIUM</td><td>0,001</td><td>0</td><td></td><td></td><td></td><td></td></tr> <tr><td>7440622</td><td>VANADIUM</td><td>0,001</td><td>0</td><td></td><td></td><td></td><td></td></tr> <tr><td>7440473</td><td>CHROMIUM</td><td>0,002</td><td>0</td><td></td><td></td><td></td><td></td></tr> <tr><td>7439965</td><td>MANGANESE</td><td>0</td><td>0</td><td></td><td></td><td></td><td></td></tr> <tr><td>7439896</td><td>IRON</td><td>0,13</td><td>0</td><td></td><td></td><td></td><td></td></tr> <tr><td>7440020</td><td>NICKEL</td><td>0</td><td>0</td><td></td><td></td><td></td><td></td></tr> <tr><td>7440508</td><td>COPPER</td><td>0,001</td><td>0</td><td></td><td></td><td></td><td></td></tr> <tr><td>7440666</td><td>ZINC</td><td>0,001</td><td>0</td><td></td><td></td><td></td><td></td></tr> <tr><td>7440382</td><td>ARSENIC</td><td>0,002</td><td>0</td><td></td><td></td><td></td><td></td></tr> <tr><td>7782492</td><td>SELENIUM</td><td>0,002</td><td>0</td><td></td><td></td><td></td><td></td></tr> <tr><td>7726956</td><td>BROMINE</td><td>0,005</td><td>0</td><td></td><td></td><td></td><td></td></tr> <tr><td>7440177</td><td>RUBIDIUM</td><td>0,001</td><td>0</td><td></td><td></td><td></td><td></td></tr> <tr><td>7440246</td><td>STRONTIUM</td><td>0</td><td>0</td><td></td><td></td><td></td><td></td></tr> <tr><td>7440393</td><td>BARIUM</td><td>0</td><td>0</td><td></td><td></td><td></td><td></td></tr> <tr><td>7439921</td><td>LEAD</td><td>0,032</td><td>0</td><td></td><td></td><td></td><td></td></tr> <tr><td>7440440</td><td>ELEMENTAL CARBON</td><td>28,9</td><td>0</td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td>ORGANIC CARBON</td><td>4,8</td><td>0</td><td></td><td></td><td></td><td></td></tr> <tr><td>7439954</td><td>MAGNESIUM</td><td>0,013</td><td>0</td><td></td><td></td><td></td><td></td></tr> <tr><td>7440235</td><td>SODIUM</td><td>0,25</td><td>0</td><td></td><td></td><td></td><td></td></tr> <tr><td>7782505</td><td>CHLORINE</td><td>0,056</td><td>0</td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td>NITRATES</td><td>0,24</td><td>0</td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td>SULFATES</td><td>31,5</td><td>0</td><td></td><td></td><td></td><td></td></tr> <tr><td>12125029</td><td>AMMONIUM</td><td>6,2</td><td>0</td><td></td><td></td><td></td><td></td></tr> </tbody> </table>	CAS No.	Pollutant	0 to 2.5 %	2.5 to 5.0 %	5.0 to 10.0 %	10.0 to 20.0 %	20.0 to 50.0 %	50.0 to 100.0 %	7429905	ALUMINUM	0,42	0					7440213	SILICON	0,89	0					7723140	PHOSPHORUS	0,17	0					7440097	POTASSIUM	0,002	0					7440702	CALCIUM	0,006	0					7440326	TITANIUM	0,001	0					7440622	VANADIUM	0,001	0					7440473	CHROMIUM	0,002	0					7439965	MANGANESE	0	0					7439896	IRON	0,13	0					7440020	NICKEL	0	0					7440508	COPPER	0,001	0					7440666	ZINC	0,001	0					7440382	ARSENIC	0,002	0					7782492	SELENIUM	0,002	0					7726956	BROMINE	0,005	0					7440177	RUBIDIUM	0,001	0					7440246	STRONTIUM	0	0					7440393	BARIUM	0	0					7439921	LEAD	0,032	0					7440440	ELEMENTAL CARBON	28,9	0						ORGANIC CARBON	4,8	0					7439954	MAGNESIUM	0,013	0					7440235	SODIUM	0,25	0					7782505	CHLORINE	0,056	0						NITRATES	0,24	0						SULFATES	31,5	0					12125029	AMMONIUM	6,2	0				
CAS No.	Pollutant	0 to 2.5 %	2.5 to 5.0 %	5.0 to 10.0 %	10.0 to 20.0 %	20.0 to 50.0 %	50.0 to 100.0 %																																																																																																																																																																																																																																																																																																																																																																																																		
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7782414	FLUORINE	0,32	0,15																																																																																																																																																																																																																																																																																																																																																																																																						
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<p>Profile Number 13502 Profile Name External Combustion - Heavy Oil-Fired Boiler Composite</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">CAS No.</th> <th style="width: 35%;">Pollutant</th> <th style="width: 10%;">0 to 2.5 %</th> <th style="width: 10%;">2.5 to 5.0 %</th> <th style="width: 10%;">5.0 to 10.0 %</th> <th style="width: 10%;">10.0 to 20.0 %</th> <th style="width: 10%;">20.0 to 50.0 %</th> <th style="width: 10%;">50.0 to 100.0 %</th> </tr> </thead> <tbody> <tr><td>7440235</td><td>SODIUM</td><td>1</td><td>0</td><td></td><td></td><td></td><td></td></tr> <tr><td>7429905</td><td>ALUMINUM</td><td>0,21</td><td>0</td><td></td><td></td><td></td><td></td></tr> <tr><td>7704349</td><td>SULFUR</td><td>9,6</td><td>0</td><td></td><td></td><td></td><td></td></tr> <tr><td>7782505</td><td>CHLORINE</td><td>0,092</td><td>0</td><td></td><td></td><td></td><td></td></tr> <tr><td>7440097</td><td>POTASSIUM</td><td>0,085</td><td>0</td><td></td><td></td><td></td><td></td></tr> <tr><td>7440702</td><td>CALCIUM</td><td>0,085</td><td>0</td><td></td><td></td><td></td><td></td></tr> <tr><td>7440326</td><td>TITANIUM</td><td>0,074</td><td>0</td><td></td><td></td><td></td><td></td></tr> <tr><td>7440622</td><td>VANADIUM</td><td>0,92</td><td>0</td><td></td><td></td><td></td><td></td></tr> <tr><td>7440473</td><td>CHROMIUM</td><td>0,021</td><td>0</td><td></td><td></td><td></td><td></td></tr> <tr><td>7439965</td><td>MANGANESE</td><td>0,012</td><td>0</td><td></td><td></td><td></td><td></td></tr> <tr><td>7439896</td><td>IRON</td><td>0,46</td><td>0</td><td></td><td></td><td></td><td></td></tr> <tr><td>7440484</td><td>COBALT</td><td>0,003</td><td>0</td><td></td><td></td><td></td><td></td></tr> <tr><td>7440020</td><td>NICKEL</td><td>0,49</td><td>0</td><td></td><td></td><td></td><td></td></tr> <tr><td>7440666</td><td>ZINC</td><td>0,04</td><td>0</td><td></td><td></td><td></td><td></td></tr> <tr><td>7440382</td><td>ARSENIC</td><td>0,002</td><td>0</td><td></td><td></td><td></td><td></td></tr> <tr><td>7726956</td><td>BROMINE</td><td>0,001</td><td>0</td><td></td><td></td><td></td><td></td></tr> <tr><td>7440360</td><td>ANTIMONY</td><td>0,001</td><td>0</td><td></td><td></td><td></td><td></td></tr> <tr><td>7440393</td><td>BARIUM</td><td>0,092</td><td>0</td><td></td><td></td><td></td><td></td></tr> <tr><td>7439921</td><td>LEAD</td><td>0,033</td><td>0</td><td></td><td></td><td></td><td></td></tr> </tbody> </table>	CAS No.	Pollutant	0 to 2.5 %	2.5 to 5.0 %	5.0 to 10.0 %	10.0 to 20.0 %	20.0 to 50.0 %	50.0 to 100.0 %	7440235	SODIUM	1	0					7429905	ALUMINUM	0,21	0					7704349	SULFUR	9,6	0					7782505	CHLORINE	0,092	0					7440097	POTASSIUM	0,085	0					7440702	CALCIUM	0,085	0					7440326	TITANIUM	0,074	0					7440622	VANADIUM	0,92	0					7440473	CHROMIUM	0,021	0					7439965	MANGANESE	0,012	0					7439896	IRON	0,46	0					7440484	COBALT	0,003	0					7440020	NICKEL	0,49	0					7440666	ZINC	0,04	0					7440382	ARSENIC	0,002	0					7726956	BROMINE	0,001	0					7440360	ANTIMONY	0,001	0					7440393	BARIUM	0,092	0					7439921	LEAD	0,033	0					<p>Profile Number 15101 Profile Name External Combustion - Solid Waste-Fired Boiler</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">CAS No.</th> <th style="width: 35%;">Pollutant</th> <th style="width: 10%;">0 to 2.5 %</th> <th style="width: 10%;">2.5 to 5.0 %</th> <th style="width: 10%;">5.0 to 10.0 %</th> <th style="width: 10%;">10.0 to 20.0 %</th> <th style="width: 10%;">20.0 to 50.0 %</th> <th style="width: 10%;">50.0 to 100.0 %</th> </tr> </thead> <tbody> <tr><td>7440235</td><td>SODIUM</td><td>0,84</td><td>0</td><td></td><td></td><td></td><td></td></tr> <tr><td>7439954</td><td>MAGNESIUM</td><td>2,1</td><td>0</td><td></td><td></td><td></td><td></td></tr> <tr><td>7429905</td><td>ALUMINUM</td><td>0,22</td><td>0</td><td></td><td></td><td></td><td></td></tr> <tr><td>7704349</td><td>SULFUR</td><td>9,1</td><td>0</td><td></td><td></td><td></td><td></td></tr> <tr><td>7782505</td><td>CHLORINE</td><td>6,8</td><td>0</td><td></td><td></td><td></td><td></td></tr> <tr><td>7440702</td><td>CALCIUM</td><td>18</td><td>0</td><td></td><td></td><td></td><td></td></tr> <tr><td>7440622</td><td>VANADIUM</td><td>0,001</td><td>0</td><td></td><td></td><td></td><td></td></tr> <tr><td>7440473</td><td>CHROMIUM</td><td>0,063</td><td>0</td><td></td><td></td><td></td><td></td></tr> <tr><td>7439965</td><td>MANGANESE</td><td>0,016</td><td>0</td><td></td><td></td><td></td><td></td></tr> <tr><td>7439896</td><td>IRON</td><td>0,98</td><td>0</td><td></td><td></td><td></td><td></td></tr> <tr><td>7440484</td><td>COBALT</td><td>0,001</td><td>0</td><td></td><td></td><td></td><td></td></tr> <tr><td>7440020</td><td>NICKEL</td><td>0,014</td><td>0</td><td></td><td></td><td></td><td></td></tr> <tr><td>7440508</td><td>COPPER</td><td>0,19</td><td>0</td><td></td><td></td><td></td><td></td></tr> <tr><td>7440666</td><td>ZINC</td><td>8,4</td><td>0</td><td></td><td></td><td></td><td></td></tr> <tr><td>7726956</td><td>BROMINE</td><td>0,31</td><td>0</td><td></td><td></td><td></td><td></td></tr> <tr><td>7440224</td><td>SILVER</td><td>0,002</td><td>0</td><td></td><td></td><td></td><td></td></tr> <tr><td>7440439</td><td>CADMIUM</td><td>0,003</td><td>0</td><td></td><td></td><td></td><td></td></tr> <tr><td>7440360</td><td>ANTIMONY</td><td>0,007</td><td>0</td><td></td><td></td><td></td><td></td></tr> <tr><td>7440393</td><td>BARIUM</td><td>2</td><td>0</td><td></td><td></td><td></td><td></td></tr> <tr><td>7439921</td><td>LEAD</td><td>2</td><td>0</td><td></td><td></td><td></td><td></td></tr> </tbody> </table>	CAS No.	Pollutant	0 to 2.5 %	2.5 to 5.0 %	5.0 to 10.0 %	10.0 to 20.0 %	20.0 to 50.0 %	50.0 to 100.0 %	7440235	SODIUM	0,84	0					7439954	MAGNESIUM	2,1	0					7429905	ALUMINUM	0,22	0					7704349	SULFUR	9,1	0					7782505	CHLORINE	6,8	0					7440702	CALCIUM	18	0					7440622	VANADIUM	0,001	0					7440473	CHROMIUM	0,063	0					7439965	MANGANESE	0,016	0					7439896	IRON	0,98	0					7440484	COBALT	0,001	0					7440020	NICKEL	0,014	0					7440508	COPPER	0,19	0					7440666	ZINC	8,4	0					7726956	BROMINE	0,31	0					7440224	SILVER	0,002	0					7440439	CADMIUM	0,003	0					7440360	ANTIMONY	0,007	0					7440393	BARIUM	2	0					7439921	LEAD	2	0																																																																				
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<p>Profile Number 42320 Profile Name Field Burning - Composite</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">CAS No.</th> <th style="width: 35%;">Pollutant</th> <th style="width: 10%;">0 to 2.5 %</th> <th style="width: 10%;">2.5 to 5.0 %</th> <th style="width: 10%;">5.0 to 10.0 %</th> <th style="width: 10%;">10.0 to 20.0 %</th> <th style="width: 10%;">20.0 to 50.0 %</th> <th style="width: 10%;">50.0 to 100.0 %</th> </tr> </thead> <tbody> <tr><td>7440235</td><td>SODIUM</td><td>0,134</td><td>0,215</td><td></td><td></td><td></td><td></td></tr> <tr><td>7429905</td><td>ALUMINUM</td><td>0,313</td><td>0,247</td><td></td><td></td><td></td><td></td></tr> </tbody> </table>	CAS No.	Pollutant	0 to 2.5 %	2.5 to 5.0 %	5.0 to 10.0 %	10.0 to 20.0 %	20.0 to 50.0 %	50.0 to 100.0 %	7440235	SODIUM	0,134	0,215					7429905	ALUMINUM	0,313	0,247					<p>Profile Number 32208 Profile Name Heavy Duty Diesel Trucks</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">CAS No.</th> <th style="width: 35%;">Pollutant</th> <th style="width: 10%;">0 to 2.5 %</th> <th style="width: 10%;">2.5 to 5.0 %</th> <th style="width: 10%;">5.0 to 10.0 %</th> <th style="width: 10%;">10.0 to 20.0 %</th> <th style="width: 10%;">20.0 to 50.0 %</th> <th style="width: 10%;">50.0 to 100.0 %</th> </tr> </thead> <tbody> <tr><td>7429905</td><td>ALUMINUM</td><td>0,052</td><td>0</td><td></td><td></td><td></td><td></td></tr> <tr><td>7440213</td><td>SILICON</td><td>0,59</td><td>0</td><td></td><td></td><td></td><td></td></tr> </tbody> </table>	CAS No.	Pollutant	0 to 2.5 %	2.5 to 5.0 %	5.0 to 10.0 %	10.0 to 20.0 %	20.0 to 50.0 %	50.0 to 100.0 %	7429905	ALUMINUM	0,052	0					7440213	SILICON	0,59	0																																																																																																																																																																																																																																																																																																																																																												
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<p>Profile Number 31108 Profile Name Light Duty Vehicle - Non-Catalyst</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">CAS No.</th> <th style="width: 35%;">Pollutant</th> <th style="width: 10%;">%</th> <th style="width: 10%;">0 to 2.5</th> <th style="width: 10%;">Unc.</th> </tr> </thead> <tbody> <tr><td>7429905</td><td>ALUMINUM</td><td>0,73</td><td>0</td><td> </td></tr> <tr><td>7440213</td><td>SILICON</td><td>0,39</td><td>0</td><td> </td></tr> <tr><td>7723140</td><td>PHOSPHORUS</td><td>0,48</td><td>0</td><td> </td></tr> <tr><td>7440097</td><td>POTASSIUM</td><td>0,093</td><td>0</td><td> </td></tr> <tr><td>7440702</td><td>CALCIUM</td><td>0,45</td><td>0</td><td> </td></tr> <tr><td>7440326</td><td>TITANIUM</td><td>0,044</td><td>0</td><td> </td></tr> <tr><td>7440622</td><td>VANADIUM</td><td>0</td><td>0</td><td> </td></tr> <tr><td>7440473</td><td>CHROMIUM</td><td>0,011</td><td>0</td><td> </td></tr> <tr><td>7439965</td><td>MANGANESE</td><td>0,9</td><td>0</td><td> </td></tr> <tr><td>7439896</td><td>IRON</td><td>0,75</td><td>0</td><td> </td></tr> <tr><td>7440020</td><td>NICKEL</td><td>0</td><td>0</td><td> </td></tr> <tr><td>7440508</td><td>COPPER</td><td>0</td><td>0</td><td> </td></tr> <tr><td>7440666</td><td>ZINC</td><td>0,61</td><td>0</td><td> </td></tr> </tbody> </table>	CAS No.	Pollutant	%	0 to 2.5	Unc.	7429905	ALUMINUM	0,73	0		7440213	SILICON	0,39	0		7723140	PHOSPHORUS	0,48	0		7440097	POTASSIUM	0,093	0		7440702	CALCIUM	0,45	0		7440326	TITANIUM	0,044	0		7440622	VANADIUM	0	0		7440473	CHROMIUM	0,011	0		7439965	MANGANESE	0,9	0		7439896	IRON	0,75	0		7440020	NICKEL	0	0		7440508	COPPER	0	0		7440666	ZINC	0,61	0		<p>Profile Number 31107 Profile Name Light Duty Vehicle - With Catalyst</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">CAS No.</th> <th style="width: 35%;">Pollutant</th> <th style="width: 10%;">%</th> <th style="width: 10%;">0 to 2.5</th> <th style="width: 10%;">Unc.</th> </tr> </thead> <tbody> <tr><td>7429905</td><td>ALUMINUM</td><td>0,07</td><td>0</td><td> </td></tr> <tr><td>7440213</td><td>SILICON</td><td>0,04</td><td>0</td><td> </td></tr> <tr><td>7723140</td><td>PHOSPHORUS</td><td>0,17</td><td>0</td><td> </td></tr> <tr><td>7440097</td><td>POTASSIUM</td><td>0</td><td>0</td><td> </td></tr> <tr><td>7440702</td><td>CALCIUM</td><td>0</td><td>0</td><td> </td></tr> <tr><td>7440326</td><td>TITANIUM</td><td>0,01</td><td>0</td><td> </td></tr> <tr><td>7440622</td><td>VANADIUM</td><td>0</td><td>0</td><td> </td></tr> <tr><td>7440473</td><td>CHROMIUM</td><td>0</td><td>0</td><td> </td></tr> <tr><td>7439965</td><td>MANGANESE</td><td>0</td><td>0</td><td> </td></tr> <tr><td>7439896</td><td>IRON</td><td>0,15</td><td>0</td><td> </td></tr> <tr><td>7440020</td><td>NICKEL</td><td>0,04</td><td>0</td><td> </td></tr> <tr><td>7440508</td><td>COPPER</td><td>1,12</td><td>0</td><td> </td></tr> <tr><td>7440666</td><td>ZINC</td><td>1,06</td><td>0</td><td> </td></tr> </tbody> </table>	CAS No.	Pollutant	%	0 to 2.5	Unc.	7429905	ALUMINUM	0,07	0		7440213	SILICON	0,04	0		7723140	PHOSPHORUS	0,17	0		7440097	POTASSIUM	0	0		7440702	CALCIUM	0	0		7440326	TITANIUM	0,01	0		7440622	VANADIUM	0	0		7440473	CHROMIUM	0	0		7439965	MANGANESE	0	0		7439896	IRON	0,15	0		7440020	NICKEL	0,04	0		7440508	COPPER	1,12	0		7440666	ZINC	1,06	0																																																																																																
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<p>Profile Number 32104 Profile Name Light Duty Vehicles - Diesel Composite</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">CAS No.</th> <th style="width: 35%;">Pollutant</th> <th style="width: 10%;">%</th> <th style="width: 10%;">0 to 2.5</th> <th style="width: 10%;">Unc.</th> <th style="width: 10%;"></th> </tr> </thead> <tbody> <tr><td>7429905</td><td>ALUMINUM</td><td>0,008</td><td>0</td><td> </td></tr> <tr><td>7440213</td><td>SILICON</td><td>0,128</td><td>0</td><td> </td></tr> <tr><td>7723140</td><td>PHOSPHORUS</td><td>0,026</td><td>0</td><td> </td></tr> <tr><td>7704349</td><td>SULFUR</td><td>0,605</td><td>0</td><td> </td></tr> <tr><td>7782505</td><td>CHLORINE</td><td>0,03</td><td>0</td><td> </td></tr> <tr><td>7440097</td><td>POTASSIUM</td><td>0,009</td><td>0</td><td> </td></tr> <tr><td>7440702</td><td>CALCIUM</td><td>0,022</td><td>0</td><td> </td></tr> <tr><td>7440326</td><td>TITANIUM</td><td>0</td><td>0</td><td> </td></tr> <tr><td>7440622</td><td>VANADIUM</td><td>0</td><td>0</td><td> </td></tr> <tr><td>7440473</td><td>CHROMIUM</td><td>0</td><td>0</td><td> </td></tr> <tr><td>7439896</td><td>IRON</td><td>0,009</td><td>0</td><td> </td></tr> <tr><td>7440020</td><td>NICKEL</td><td>0</td><td>0</td><td> </td></tr> <tr><td>7440508</td><td>COPPER</td><td>0,002</td><td>0</td><td> </td></tr> <tr><td>7440666</td><td>ZINC</td><td>0,042</td><td>0</td><td> </td></tr> <tr><td>7440553</td><td>GALLIUM</td><td>0</td><td>0</td><td> </td></tr> <tr><td>7440382</td><td>ARSENIC</td><td>0,002</td><td>0</td><td> </td></tr> <tr><td>7782492</td><td>SELENIUM</td><td>0</td><td>0</td><td> </td></tr> <tr><td>7726956</td><td>BROMINE</td><td>0,004</td><td>0</td><td> </td></tr> <tr><td>7439965</td><td>MANGANESE</td><td>0</td><td>0</td><td> </td></tr> <tr><td>7439976</td><td>MERCURY</td><td>0</td><td>0</td><td> </td></tr> <tr><td>7439921</td><td>LEAD</td><td>0,021</td><td>0</td><td> </td></tr> <tr><td></td><td>ORGANIC CARBON</td><td>33,497</td><td>0</td><td> </td></tr> <tr><td>7440440</td><td>ELEMENTAL CARBON</td><td>64,304</td><td>0</td><td> </td></tr> </tbody> </table>	CAS No.	Pollutant	%	0 to 2.5	Unc.		7429905	ALUMINUM	0,008	0		7440213	SILICON	0,128	0		7723140	PHOSPHORUS	0,026	0		7704349	SULFUR	0,605	0		7782505	CHLORINE	0,03	0		7440097	POTASSIUM	0,009	0		7440702	CALCIUM	0,022	0		7440326	TITANIUM	0	0		7440622	VANADIUM	0	0		7440473	CHROMIUM	0	0		7439896	IRON	0,009	0		7440020	NICKEL	0	0		7440508	COPPER	0,002	0		7440666	ZINC	0,042	0		7440553	GALLIUM	0	0		7440382	ARSENIC	0,002	0		7782492	SELENIUM	0	0		7726956	BROMINE	0,004	0		7439965	MANGANESE	0	0		7439976	MERCURY	0	0		7439921	LEAD	0,021	0			ORGANIC CARBON	33,497	0		7440440	ELEMENTAL CARBON	64,304	0		<p>Profile Number 43304 Profile Name Limestone, Crustal</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">CAS No.</th> <th style="width: 35%;">Pollutant</th> <th style="width: 10%;">%</th> <th style="width: 10%;">0 to 2.5</th> <th style="width: 10%;">Unc.</th> <th style="width: 10%;"></th> </tr> </thead> <tbody> <tr><td>7440235</td><td>SODIUM</td><td>0,04</td><td>0</td><td> </td></tr> <tr><td>7439954</td><td>MAGNESIUM</td><td>4,7</td><td>0</td><td> </td></tr> <tr><td>7429905</td><td>ALUMINUM</td><td>0,42</td><td>0</td><td> </td></tr> <tr><td>7440213</td><td>SILICON</td><td>2,4</td><td>0</td><td> </td></tr> <tr><td>7723140</td><td>PHOSPHORUS</td><td>0,04</td><td>0</td><td> </td></tr> <tr><td>7704349</td><td>SULFUR</td><td>0,12</td><td>0</td><td> </td></tr> <tr><td>7782505</td><td>CHLORINE</td><td>0,015</td><td>0</td><td> </td></tr> <tr><td>7440097</td><td>POTASSIUM</td><td>0,27</td><td>0</td><td> </td></tr> <tr><td>7440702</td><td>CALCIUM</td><td>30,2</td><td>0</td><td> </td></tr> <tr><td>7440440</td><td>ELEMENTAL CARBON</td><td>11,4</td><td>0</td><td> </td></tr> <tr><td>7440326</td><td>TITANIUM</td><td>0,04</td><td>0</td><td> </td></tr> <tr><td>7440622</td><td>VANADIUM</td><td>0,002</td><td>0</td><td> </td></tr> <tr><td>7440473</td><td>CHROMIUM</td><td>0,001</td><td>0</td><td> </td></tr> <tr><td>7439965</td><td>MANGANESE</td><td>0,11</td><td>0</td><td> </td></tr> <tr><td>7439896</td><td>IRON</td><td>0,38</td><td>0</td><td> </td></tr> <tr><td>7440020</td><td>NICKEL</td><td>0,002</td><td>0</td><td> </td></tr> <tr><td>7440666</td><td>ZINC</td><td>0,002</td><td>0</td><td> </td></tr> <tr><td>7726956</td><td>BROMINE</td><td>0,001</td><td>0</td><td> </td></tr> <tr><td>7440246</td><td>STRONTIUM</td><td>0,061</td><td>0</td><td> </td></tr> <tr><td>7440393</td><td>BARIUM</td><td>0,001</td><td>0</td><td> </td></tr> <tr><td>7439921</td><td>LEAD</td><td>0,001</td><td>0</td><td> </td></tr> </tbody> </table>	CAS No.	Pollutant	%	0 to 2.5	Unc.		7440235	SODIUM	0,04	0		7439954	MAGNESIUM	4,7	0		7429905	ALUMINUM	0,42	0		7440213	SILICON	2,4	0		7723140	PHOSPHORUS	0,04	0		7704349	SULFUR	0,12	0		7782505	CHLORINE	0,015	0		7440097	POTASSIUM	0,27	0		7440702	CALCIUM	30,2	0		7440440	ELEMENTAL CARBON	11,4	0		7440326	TITANIUM	0,04	0		7440622	VANADIUM	0,002	0		7440473	CHROMIUM	0,001	0		7439965	MANGANESE	0,11	0		7439896	IRON	0,38	0		7440020	NICKEL	0,002	0		7440666	ZINC	0,002	0		7726956	BROMINE	0,001	0		7440246	STRONTIUM	0,061	0		7440393	BARIUM	0,001	0		7439921	LEAD	0,001	0	
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<p>Profile Number 43101 Profile Name Marine Aerosol</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">CAS No.</th> <th style="width: 35%;">Pollutant</th> <th style="width: 10%;">%</th> <th style="width: 10%;">0 to 2.5</th> <th style="width: 10%;">Unc.</th> <th style="width: 10%;"></th> </tr> </thead> <tbody> <tr><td>7440235</td><td>SODIUM</td><td>40</td><td>4</td><td> </td></tr> <tr><td>7439954</td><td>MAGNESIUM</td><td>4,8</td><td>0,9</td><td> </td></tr> <tr><td>7704349</td><td>SULFUR</td><td>3,3</td><td>1,3</td><td> </td></tr> <tr><td>7782505</td><td>CHLORINE</td><td>40</td><td>10</td><td> </td></tr> <tr><td>7440097</td><td>POTASSIUM</td><td>1,4</td><td>0,2</td><td> </td></tr> <tr><td>7440702</td><td>CALCIUM</td><td>1,4</td><td>0,2</td><td> </td></tr> <tr><td></td><td>SULFATES</td><td>10</td><td>4</td><td> </td></tr> <tr><td>7726956</td><td>BROMINE</td><td>0,2</td><td>0,05</td><td> </td></tr> </tbody> </table>	CAS No.	Pollutant	%	0 to 2.5	Unc.		7440235	SODIUM	40	4		7439954	MAGNESIUM	4,8	0,9		7704349	SULFUR	3,3	1,3		7782505	CHLORINE	40	10		7440097	POTASSIUM	1,4	0,2		7440702	CALCIUM	1,4	0,2			SULFATES	10	4		7726956	BROMINE	0,2	0,05		<p>Profile Number 11506 Profile Name Oil-Fired Power Plant</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">CAS No.</th> <th style="width: 35%;">Pollutant</th> <th style="width: 10%;">%</th> <th style="width: 10%;">0 to 2.5</th> <th style="width: 10%;">Unc.</th> <th style="width: 10%;"></th> </tr> </thead> <tbody> <tr><td>7440235</td><td>SODIUM</td><td>0,2</td><td>0</td><td> </td></tr> <tr><td>7439954</td><td>MAGNESIUM</td><td>2,4</td><td>0</td><td> </td></tr> <tr><td>7429905</td><td>ALUMINUM</td><td>1,42</td><td>0</td><td> </td></tr> <tr><td>7440213</td><td>SILICON</td><td>0,22</td><td>0</td><td> </td></tr> <tr><td>7723140</td><td>PHOSPHORUS</td><td>0,05</td><td>0</td><td> </td></tr> <tr><td>7704349</td><td>SULFUR</td><td>16,432</td><td>0</td><td> </td></tr> <tr><td>7440097</td><td>POTASSIUM</td><td>0,12</td><td>0</td><td> </td></tr> <tr><td>7440702</td><td>CALCIUM</td><td>0,32</td><td>0</td><td> </td></tr> <tr><td></td><td>TOTAL CARBON</td><td>14,501</td><td>0</td><td> </td></tr> <tr><td></td><td>SULFATES</td><td>49,205</td><td>0</td><td> </td></tr> <tr><td>7440326</td><td>TITANIUM</td><td>0,07</td><td>0</td><td> </td></tr> <tr><td>7440622</td><td>VANADIUM</td><td>1,1</td><td>0</td><td> </td></tr> <tr><td>7440473</td><td>CHROMIUM</td><td>0,045</td><td>0</td><td> </td></tr> <tr><td>7439965</td><td>MANGANESE</td><td>0,03</td><td>0</td><td> </td></tr> <tr><td>7439896</td><td>IRON</td><td>0,4</td><td>0</td><td> </td></tr> <tr><td>7440484</td><td>COBALT</td><td>0,03</td><td>0</td><td> </td></tr> <tr><td>7440020</td><td>NICKEL</td><td>0,35</td><td>0</td><td> </td></tr> <tr><td>7440508</td><td>COPPER</td><td>0,04</td><td>0</td><td> </td></tr> <tr><td>7440666</td><td>ZINC</td><td>0,02</td><td>0</td><td> </td></tr> <tr><td>7440553</td><td>GALLIUM</td><td>0,004</td><td>0</td><td> </td></tr> <tr><td>7440382</td><td>ARSENIC</td><td>0,002</td><td>0</td><td> </td></tr> <tr><td>7782492</td><td>SELENIUM</td><td>0,001</td><td>0</td><td> </td></tr> <tr><td>7440177</td><td>RUBIDIUM</td><td>0,001</td><td>0</td><td> </td></tr> <tr><td>7440246</td><td>STRONTIUM</td><td>0,02</td><td>0</td><td> </td></tr> </tbody> </table>	CAS No.	Pollutant	%	0 to 2.5	Unc.		7440235	SODIUM	0,2	0		7439954	MAGNESIUM	2,4	0		7429905	ALUMINUM	1,42	0		7440213	SILICON	0,22	0		7723140	PHOSPHORUS	0,05	0		7704349	SULFUR	16,432	0		7440097	POTASSIUM	0,12	0		7440702	CALCIUM	0,32	0			TOTAL CARBON	14,501	0			SULFATES	49,205	0		7440326	TITANIUM	0,07	0		7440622	VANADIUM	1,1	0		7440473	CHROMIUM	0,045	0		7439965	MANGANESE	0,03	0		7439896	IRON	0,4	0		7440484	COBALT	0,03	0		7440020	NICKEL	0,35	0		7440508	COPPER	0,04	0		7440666	ZINC	0,02	0		7440553	GALLIUM	0,004	0		7440382	ARSENIC	0,002	0		7782492	SELENIUM	0,001	0		7440177	RUBIDIUM	0,001	0		7440246	STRONTIUM	0,02	0																																																													
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<p>Profile Number 11508 Profile Name Oil-Fired Power Plant</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">CAS No.</th> <th style="width: 35%;">Pollutant</th> <th style="width: 10%;">%</th> <th style="width: 10%;">0 to 2.5</th> <th style="width: 10%;">Unc.</th> </tr> </thead> <tbody> <tr><td>7440235</td><td>SODIUM</td><td>2,6</td><td>0,6</td><td></td></tr> <tr><td>7429905</td><td>ALUMINUM</td><td>0,42</td><td>0,08</td><td></td></tr> <tr><td>7440213</td><td>SILICON</td><td>1,9</td><td>0,6</td><td></td></tr> <tr><td>7723140</td><td>PHOSPHORUS</td><td>1,5</td><td>0,4</td><td></td></tr> <tr><td>7704349</td><td>SULFUR</td><td>11</td><td>2</td><td></td></tr> <tr><td>7782505</td><td>CHLORINE</td><td>0,018</td><td>0,008</td><td></td></tr> <tr><td>7440097</td><td>POTASSIUM</td><td>0,16</td><td>0,05</td><td></td></tr> <tr><td>7440702</td><td>CALCIUM</td><td>3,4</td><td>0,9</td><td></td></tr> <tr><td></td><td>ORGANIC CARBO</td><td>3,2</td><td>0,5</td><td></td></tr> <tr><td>7440440</td><td>ELEMENTAL CARBON</td><td>7,7</td><td>1,5</td><td></td></tr> <tr><td></td><td>SULFATES</td><td>40</td><td>3</td><td></td></tr> <tr><td>7440326</td><td>TITANIUM</td><td>0,05</td><td>0,05</td><td></td></tr> <tr><td>7440622</td><td>VANADIUM</td><td>1,1</td><td>0,3</td><td></td></tr> <tr><td>7440473</td><td>CHROMIUM</td><td>0,022</td><td>0,001</td><td></td></tr> <tr><td>7439965</td><td>MANGANESE</td><td>0,035</td><td>0,004</td><td></td></tr> <tr><td>7439896</td><td>IRON</td><td>1,5</td><td>0,2</td><td></td></tr> <tr><td>7440484</td><td>COBALT</td><td>0,075</td><td>0,014</td><td></td></tr> <tr><td>7440020</td><td>NICKEL</td><td>1,5</td><td>0,5</td><td></td></tr> <tr><td>7440508</td><td>COPPER</td><td>0,098</td><td>0,032</td><td></td></tr> <tr><td>7440666</td><td>ZINC</td><td>1,2</td><td>0,3</td><td></td></tr> <tr><td>7440382</td><td>ARSENIC</td><td>0,003</td><td>0,001</td><td></td></tr> <tr><td>7782492</td><td>SELENIUM</td><td>0,002</td><td>0,001</td><td></td></tr> <tr><td>7726956</td><td>BROMINE</td><td>0,011</td><td>0,006</td><td></td></tr> <tr><td>7440246</td><td>STRONTIUM</td><td>0,016</td><td>0,005</td><td></td></tr> <tr><td>7440677</td><td>ZIRCONIUM</td><td>0,021</td><td>0,021</td><td></td></tr> <tr><td>7439987</td><td>MOLYBDENUM</td><td>0,087</td><td>0,018</td><td></td></tr> <tr><td>7440315</td><td>TIN</td><td>0,034</td><td>0,022</td><td></td></tr> <tr><td>7440360</td><td>ANTIMONY</td><td>0,035</td><td>0,038</td><td></td></tr> <tr><td>7440393</td><td>BARIUM</td><td>0,186</td><td>0,009</td><td></td></tr> <tr><td>7439910</td><td>LANTHANUM</td><td>0,012</td><td>0,002</td><td></td></tr> <tr><td>7440451</td><td>CERIUM</td><td>0,008</td><td>0,002</td><td></td></tr> <tr><td>7440008</td><td>NEODYMIUM</td><td>0,003</td><td>0</td><td></td></tr> <tr><td>7440199</td><td>SAMARIUM</td><td>0</td><td>0</td><td></td></tr> <tr><td>7439921</td><td>LEAD</td><td>1,8</td><td>0,6</td><td></td></tr> </tbody> </table>	CAS No.	Pollutant	%	0 to 2.5	Unc.	7440235	SODIUM	2,6	0,6		7429905	ALUMINUM	0,42	0,08		7440213	SILICON	1,9	0,6		7723140	PHOSPHORUS	1,5	0,4		7704349	SULFUR	11	2		7782505	CHLORINE	0,018	0,008		7440097	POTASSIUM	0,16	0,05		7440702	CALCIUM	3,4	0,9			ORGANIC CARBO	3,2	0,5		7440440	ELEMENTAL CARBON	7,7	1,5			SULFATES	40	3		7440326	TITANIUM	0,05	0,05		7440622	VANADIUM	1,1	0,3		7440473	CHROMIUM	0,022	0,001		7439965	MANGANESE	0,035	0,004		7439896	IRON	1,5	0,2		7440484	COBALT	0,075	0,014		7440020	NICKEL	1,5	0,5		7440508	COPPER	0,098	0,032		7440666	ZINC	1,2	0,3		7440382	ARSENIC	0,003	0,001		7782492	SELENIUM	0,002	0,001		7726956	BROMINE	0,011	0,006		7440246	STRONTIUM	0,016	0,005		7440677	ZIRCONIUM	0,021	0,021		7439987	MOLYBDENUM	0,087	0,018		7440315	TIN	0,034	0,022		7440360	ANTIMONY	0,035	0,038		7440393	BARIUM	0,186	0,009		7439910	LANTHANUM	0,012	0,002		7440451	CERIUM	0,008	0,002		7440008	NEODYMIUM	0,003	0		7440199	SAMARIUM	0	0		7439921	LEAD	1,8	0,6		<p>Profile Number 11509 Profile Name Oil-Fired Power Plant</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">CAS No.</th> <th style="width: 35%;">Pollutant</th> <th style="width: 10%;">%</th> <th style="width: 10%;">0 to 2.5</th> <th style="width: 10%;">Unc.</th> </tr> </thead> <tbody> <tr><td>7440235</td><td>SODIUM</td><td>3,1</td><td>0,9</td><td></td></tr> <tr><td>7429905</td><td>ALUMINUM</td><td>0,89</td><td>0,07</td><td></td></tr> <tr><td>7440213</td><td>SILICON</td><td>2,6</td><td>0,4</td><td></td></tr> <tr><td>7723140</td><td>PHOSPHORUS</td><td>1</td><td>0,1</td><td></td></tr> <tr><td>7704349</td><td>SULFUR</td><td>13</td><td>1</td><td></td></tr> <tr><td>7782505</td><td>CHLORINE</td><td>0</td><td>0</td><td></td></tr> <tr><td>7440097</td><td>POTASSIUM</td><td>0,21</td><td>0,03</td><td></td></tr> <tr><td>7440702</td><td>CALCIUM</td><td>2,1</td><td>0,9</td><td></td></tr> <tr><td></td><td>ORGANIC CARBON</td><td>1</td><td>0,5</td><td></td></tr> <tr><td>7440440</td><td>ELEMENTAL CARBON</td><td>0,22</td><td>0,17</td><td></td></tr> <tr><td></td><td>SULFATES</td><td>45</td><td>7</td><td></td></tr> <tr><td>7440222</td><td>SCANDIUM</td><td>0</td><td>0</td><td></td></tr> <tr><td>7440326</td><td>TITANIUM</td><td>0,12</td><td>0,02</td><td></td></tr> <tr><td>7440622</td><td>VANADIUM</td><td>1,9</td><td>0,3</td><td></td></tr> <tr><td>7440473</td><td>CHROMIUM</td><td>0,022</td><td>0,007</td><td></td></tr> <tr><td>7439965</td><td>MANGANESE</td><td>0,023</td><td>0,008</td><td></td></tr> <tr><td>7439896</td><td>IRON</td><td>1,6</td><td>0,4</td><td></td></tr> <tr><td>7440484</td><td>COBALT</td><td>0,11</td><td>0,01</td><td></td></tr> <tr><td>7440020</td><td>NICKEL</td><td>1,9</td><td>0,2</td><td></td></tr> <tr><td>7440508</td><td>COPPER</td><td>0,11</td><td>0,05</td><td></td></tr> <tr><td>7440666</td><td>ZINC</td><td>0,73</td><td>0,29</td><td></td></tr> <tr><td>7440382</td><td>ARSENIC</td><td>0,005</td><td>0,001</td><td></td></tr> <tr><td>7782492</td><td>SELENIUM</td><td>0,002</td><td>0,001</td><td></td></tr> <tr><td>7726956</td><td>BROMINE</td><td>0,004</td><td>0</td><td></td></tr> <tr><td>7440246</td><td>STRONTIUM</td><td>0,028</td><td>0,007</td><td></td></tr> <tr><td>7440677</td><td>ZIRCONIUM</td><td>0,016</td><td>0,013</td><td></td></tr> <tr><td>7439987</td><td>MOLYBDENUM</td><td>0,16</td><td>0,02</td><td></td></tr> <tr><td>7440224</td><td>SILVER</td><td>0</td><td>0</td><td></td></tr> <tr><td>7440315</td><td>TIN</td><td>0,021</td><td>0,008</td><td></td></tr> <tr><td>7440360</td><td>ANTIMONY</td><td>0,097</td><td>0,008</td><td></td></tr> <tr><td>7440393</td><td>BARIUM</td><td>0,13</td><td>0,005</td><td></td></tr> <tr><td>7439910</td><td>LANTHANUM</td><td>0,042</td><td>0,003</td><td></td></tr> <tr><td>7440451</td><td>CERIUM</td><td>0,034</td><td>0,002</td><td></td></tr> <tr><td>7440008</td><td>NEODYMIUM</td><td>0,022</td><td>0,002</td><td></td></tr> <tr><td>7440199</td><td>SAMARIUM</td><td>0,002</td><td>0</td><td></td></tr> <tr><td>7440531</td><td>EUROPIUM</td><td>0</td><td>0</td><td></td></tr> <tr><td>7440279</td><td>TERBIUM</td><td>0</td><td>0</td><td></td></tr> <tr><td>7439921</td><td>LEAD</td><td>1</td><td>0,2</td><td></td></tr> <tr><td>7440291</td><td>THORIUM</td><td>0</td><td>0</td><td></td></tr> </tbody> </table>	CAS No.	Pollutant	%	0 to 2.5	Unc.	7440235	SODIUM	3,1	0,9		7429905	ALUMINUM	0,89	0,07		7440213	SILICON	2,6	0,4		7723140	PHOSPHORUS	1	0,1		7704349	SULFUR	13	1		7782505	CHLORINE	0	0		7440097	POTASSIUM	0,21	0,03		7440702	CALCIUM	2,1	0,9			ORGANIC CARBON	1	0,5		7440440	ELEMENTAL CARBON	0,22	0,17			SULFATES	45	7		7440222	SCANDIUM	0	0		7440326	TITANIUM	0,12	0,02		7440622	VANADIUM	1,9	0,3		7440473	CHROMIUM	0,022	0,007		7439965	MANGANESE	0,023	0,008		7439896	IRON	1,6	0,4		7440484	COBALT	0,11	0,01		7440020	NICKEL	1,9	0,2		7440508	COPPER	0,11	0,05		7440666	ZINC	0,73	0,29		7440382	ARSENIC	0,005	0,001		7782492	SELENIUM	0,002	0,001		7726956	BROMINE	0,004	0		7440246	STRONTIUM	0,028	0,007		7440677	ZIRCONIUM	0,016	0,013		7439987	MOLYBDENUM	0,16	0,02		7440224	SILVER	0	0		7440315	TIN	0,021	0,008		7440360	ANTIMONY	0,097	0,008		7440393	BARIUM	0,13	0,005		7439910	LANTHANUM	0,042	0,003		7440451	CERIUM	0,034	0,002		7440008	NEODYMIUM	0,022	0,002		7440199	SAMARIUM	0,002	0		7440531	EUROPIUM	0	0		7440279	TERBIUM	0	0		7439921	LEAD	1	0,2		7440291	THORIUM	0	0	
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7440199	SAMARIUM	0	0																																																																																																																																																																																																																																																																																																																																																																																					
7439921	LEAD	1,8	0,6																																																																																																																																																																																																																																																																																																																																																																																					
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7440235	SODIUM	3,1	0,9																																																																																																																																																																																																																																																																																																																																																																																					
7429905	ALUMINUM	0,89	0,07																																																																																																																																																																																																																																																																																																																																																																																					
7440213	SILICON	2,6	0,4																																																																																																																																																																																																																																																																																																																																																																																					
7723140	PHOSPHORUS	1	0,1																																																																																																																																																																																																																																																																																																																																																																																					
7704349	SULFUR	13	1																																																																																																																																																																																																																																																																																																																																																																																					
7782505	CHLORINE	0	0																																																																																																																																																																																																																																																																																																																																																																																					
7440097	POTASSIUM	0,21	0,03																																																																																																																																																																																																																																																																																																																																																																																					
7440702	CALCIUM	2,1	0,9																																																																																																																																																																																																																																																																																																																																																																																					
	ORGANIC CARBON	1	0,5																																																																																																																																																																																																																																																																																																																																																																																					
7440440	ELEMENTAL CARBON	0,22	0,17																																																																																																																																																																																																																																																																																																																																																																																					
	SULFATES	45	7																																																																																																																																																																																																																																																																																																																																																																																					
7440222	SCANDIUM	0	0																																																																																																																																																																																																																																																																																																																																																																																					
7440326	TITANIUM	0,12	0,02																																																																																																																																																																																																																																																																																																																																																																																					
7440622	VANADIUM	1,9	0,3																																																																																																																																																																																																																																																																																																																																																																																					
7440473	CHROMIUM	0,022	0,007																																																																																																																																																																																																																																																																																																																																																																																					
7439965	MANGANESE	0,023	0,008																																																																																																																																																																																																																																																																																																																																																																																					
7439896	IRON	1,6	0,4																																																																																																																																																																																																																																																																																																																																																																																					
7440484	COBALT	0,11	0,01																																																																																																																																																																																																																																																																																																																																																																																					
7440020	NICKEL	1,9	0,2																																																																																																																																																																																																																																																																																																																																																																																					
7440508	COPPER	0,11	0,05																																																																																																																																																																																																																																																																																																																																																																																					
7440666	ZINC	0,73	0,29																																																																																																																																																																																																																																																																																																																																																																																					
7440382	ARSENIC	0,005	0,001																																																																																																																																																																																																																																																																																																																																																																																					
7782492	SELENIUM	0,002	0,001																																																																																																																																																																																																																																																																																																																																																																																					
7726956	BROMINE	0,004	0																																																																																																																																																																																																																																																																																																																																																																																					
7440246	STRONTIUM	0,028	0,007																																																																																																																																																																																																																																																																																																																																																																																					
7440677	ZIRCONIUM	0,016	0,013																																																																																																																																																																																																																																																																																																																																																																																					
7439987	MOLYBDENUM	0,16	0,02																																																																																																																																																																																																																																																																																																																																																																																					
7440224	SILVER	0	0																																																																																																																																																																																																																																																																																																																																																																																					
7440315	TIN	0,021	0,008																																																																																																																																																																																																																																																																																																																																																																																					
7440360	ANTIMONY	0,097	0,008																																																																																																																																																																																																																																																																																																																																																																																					
7440393	BARIUM	0,13	0,005																																																																																																																																																																																																																																																																																																																																																																																					
7439910	LANTHANUM	0,042	0,003																																																																																																																																																																																																																																																																																																																																																																																					
7440451	CERIUM	0,034	0,002																																																																																																																																																																																																																																																																																																																																																																																					
7440008	NEODYMIUM	0,022	0,002																																																																																																																																																																																																																																																																																																																																																																																					
7440199	SAMARIUM	0,002	0																																																																																																																																																																																																																																																																																																																																																																																					
7440531	EUROPIUM	0	0																																																																																																																																																																																																																																																																																																																																																																																					
7440279	TERBIUM	0	0																																																																																																																																																																																																																																																																																																																																																																																					
7439921	LEAD	1	0,2																																																																																																																																																																																																																																																																																																																																																																																					
7440291	THORIUM	0	0																																																																																																																																																																																																																																																																																																																																																																																					
<p>Profile Number 34007 Profile Name Organometallic Brake Dust</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">CAS No.</th> <th style="width: 35%;">Pollutant</th> <th style="width: 10%;">%</th> <th style="width: 10%;">0 to 2.5</th> <th style="width: 10%;">Unc.</th> </tr> </thead> <tbody> <tr><td>7429905</td><td>ALUMINUM</td><td>0,033</td><td>0</td><td></td></tr> <tr><td>7440213</td><td>SILICON</td><td>6,79</td><td>0</td><td></td></tr> <tr><td>7723140</td><td>PHOSPHORUS</td><td>0</td><td>0</td><td></td></tr> <tr><td>7440097</td><td>POTASSIUM</td><td>0,019</td><td>0</td><td></td></tr> <tr><td>7440702</td><td>CALCIUM</td><td>0,11</td><td>0</td><td></td></tr> <tr><td>7440326</td><td>TITANIUM</td><td>0,36</td><td>0</td><td></td></tr> <tr><td>7440622</td><td>VANADIUM</td><td>0,066</td><td>0</td><td></td></tr> <tr><td>7440473</td><td>CHROMIUM</td><td>0,12</td><td>0</td><td></td></tr> <tr><td>7439965</td><td>MANGANESE</td><td>0,17</td><td>0</td><td></td></tr> <tr><td>7439896</td><td>IRON</td><td>11,5</td><td>0</td><td></td></tr> <tr><td>7440020</td><td>NICKEL</td><td>0,066</td><td>0</td><td></td></tr> <tr><td>7440508</td><td>COPPER</td><td>0,037</td><td>0</td><td></td></tr> <tr><td>7440666</td><td>ZINC</td><td>0,027</td><td>0</td><td></td></tr> <tr><td>7440382</td><td>ARSENIC</td><td>0,001</td><td>0</td><td></td></tr> <tr><td>7782492</td><td>SELENIUM</td><td>0,002</td><td>0</td><td></td></tr> </tbody> </table>	CAS No.	Pollutant	%	0 to 2.5	Unc.	7429905	ALUMINUM	0,033	0		7440213	SILICON	6,79	0		7723140	PHOSPHORUS	0	0		7440097	POTASSIUM	0,019	0		7440702	CALCIUM	0,11	0		7440326	TITANIUM	0,36	0		7440622	VANADIUM	0,066	0		7440473	CHROMIUM	0,12	0		7439965	MANGANESE	0,17	0		7439896	IRON	11,5	0		7440020	NICKEL	0,066	0		7440508	COPPER	0,037	0		7440666	ZINC	0,027	0		7440382	ARSENIC	0,001	0		7782492	SELENIUM	0,002	0		<p>Profile Number 41141 Profile Name Paved Road Dust - Pocatello, Idaho</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">CAS No.</th> <th style="width: 35%;">Pollutant</th> <th style="width: 10%;">%</th> <th style="width: 10%;">0 to 2.5</th> <th style="width: 10%;">Unc.</th> </tr> </thead> <tbody> <tr><td>7782414</td><td>FLUORINE</td><td>1,766</td><td>0,13</td><td></td></tr> <tr><td></td><td>WAT. SOL. CHLORIDE</td><td>0,258</td><td>0,052</td><td></td></tr> <tr><td></td><td>NITRATES</td><td>0,187</td><td>0,086</td><td></td></tr> <tr><td></td><td>WAT. SOL. PHOSPHATE</td><td>3,166</td><td>0,416</td><td></td></tr> <tr><td></td><td>SULFATES</td><td>0,554</td><td>0,045</td><td></td></tr> <tr><td>12125029</td><td>AMMONIUM</td><td>0,082</td><td>0,04</td><td></td></tr> <tr><td>7440235</td><td>SODIUM</td><td>0,38</td><td>0,105</td><td></td></tr> <tr><td>7439954</td><td>MAGNESIUM</td><td>0,309</td><td>0,022</td><td></td></tr> <tr><td></td><td>WAT. SOL. POTASSIUM</td><td>2,029</td><td>0,767</td><td></td></tr> <tr><td></td><td>ORGANIC CARBON</td><td>4,656</td><td>1,598</td><td></td></tr> <tr><td>7440440</td><td>ELEMENTAL CARBON</td><td>3,069</td><td>0,576</td><td></td></tr> <tr><td></td><td>CARBONATES</td><td>0,153</td><td>0,057</td><td></td></tr> <tr><td>7429905</td><td>ALUMINUM</td><td>2,243</td><td>0,275</td><td></td></tr> <tr><td>7440213</td><td>SILICON</td><td>12,727</td><td>1,251</td><td></td></tr> <tr><td>7723140</td><td>PHOSPHORUS</td><td>5,302</td><td>0,824</td><td></td></tr> </tbody> </table>	CAS No.	Pollutant	%	0 to 2.5	Unc.	7782414	FLUORINE	1,766	0,13			WAT. SOL. CHLORIDE	0,258	0,052			NITRATES	0,187	0,086			WAT. SOL. PHOSPHATE	3,166	0,416			SULFATES	0,554	0,045		12125029	AMMONIUM	0,082	0,04		7440235	SODIUM	0,38	0,105		7439954	MAGNESIUM	0,309	0,022			WAT. SOL. POTASSIUM	2,029	0,767			ORGANIC CARBON	4,656	1,598		7440440	ELEMENTAL CARBON	3,069	0,576			CARBONATES	0,153	0,057		7429905	ALUMINUM	2,243	0,275		7440213	SILICON	12,727	1,251		7723140	PHOSPHORUS	5,302	0,824																																																																																																																																																																																																																								
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SOL. CHLORIDE</td><td>0,478</td><td>0,546</td></tr> <tr><td></td><td>NITRATES</td><td>0,568</td><td>0,701</td></tr> <tr><td></td><td>WAT. SOL. PHOSPHATE</td><td>0,013</td><td>0,311</td></tr> <tr><td></td><td>SULFATES</td><td>1,125</td><td>1,33</td></tr> <tr><td>12125029</td><td>AMMONIUM</td><td>0,384</td><td>0,55</td></tr> <tr><td>7440235</td><td>SODIUM</td><td>0,079</td><td>0,132</td></tr> <tr><td></td><td>WAT. SOL. 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WAT. SOL. CHLORIDE	0,478	0,546		NITRATES	0,568	0,701		WAT. SOL. PHOSPHATE	0,013	0,311		SULFATES	1,125	1,33	12125029	AMMONIUM	0,384	0,55	7440235	SODIUM	0,079	0,132		WAT. SOL. POTASSIUM	0,497	0,208		ORGANIC CARBON	48,868	6,759	7440440	ELEMENTAL CARBON	14,345	7,239		CARBONATES	0,031	0,107	7440213	SILICON	0,059	0,056	7704349	SULFUR	0,159	0,05	7782505	CHLORINE	0,129	0,043	7440097	POTASSIUM	0,497	0,208	7440702	CALCIUM	0,018	0,022	7440326	TITANIUM	0,002	0,094	7440622	VANADIUM	0,001	0,038	7440473	CHROMIUM	0,001	0,01	7439965	MANGANESE	0,003	0,007	7439896	IRON	0,042	0,052	7440484	COBALT	0,002	0,004	7440508	COPPER	0,009	0,012	7440666	ZINC	0,053	0,058	7440382	ARSENIC	0,001	0,011	7726956	BROMINE	0,003	0,005	7440177	RUBIDIUM	0,001	0,005	7439987	MOLYBDENUM	0,002	0,018	7440393	BARIUM	0,021	0,297	7439910	LANTHANUM	0,001	0,334	7439976	MERCURY	0,004	0,02	7439921	LEAD	0,007	0,018	85018	PHENANTHRENE	0,001	0,002	86748	CARBAZOLE	0,002	0,001	206440	FLUORANTHENE	0,007	0,01	129000	PYRENE	0,01	0,014		RETENE	0,059	0,066		BENZO (B) NAPHTHOL (1,2	0,001	0		BENZO (C) PHENANTHRENE	0,003	0,005	218019	CHRYSENE	0,015	0,015		BENZO (B+K) FLUORANTHE	0,005	0,003
CAS No.	Pollutant	0 to 2.5 %	Unc.																																																																																																																																																																																																																																																														
7440235	SODIUM	1,25	0,34																																																																																																																																																																																																																																																														
7439954	MAGNESIUM	1,3	0,27																																																																																																																																																																																																																																																														
7429905	ALUMINUM	8,84	2,71																																																																																																																																																																																																																																																														
7440213	SILICON	22,3	1,1																																																																																																																																																																																																																																																														
7704349	SULFUR	0,37	0,14																																																																																																																																																																																																																																																														
7440097	POTASSIUM	1,03	0,06																																																																																																																																																																																																																																																														
7440702	CALCIUM	2,44	0,4																																																																																																																																																																																																																																																														
	ORGANIC CARBON	11,8	4,3																																																																																																																																																																																																																																																														
7440440	ELEMENTAL CARBON	1,85	0,91																																																																																																																																																																																																																																																														
	SULFATES	0,42	0,31																																																																																																																																																																																																																																																														
	NITRATES	0	0																																																																																																																																																																																																																																																														
7440326	TITANIUM	0,64	0,12																																																																																																																																																																																																																																																														
7440622	VANADIUM	0,023	0,005																																																																																																																																																																																																																																																														
7440473	CHROMIUM	0,045	0,017																																																																																																																																																																																																																																																														
7439965	MANGANESE	0,123	0,017																																																																																																																																																																																																																																																														
7439896	IRON	6	0,6																																																																																																																																																																																																																																																														
7440020	NICKEL	0,009	0,003																																																																																																																																																																																																																																																														
7440508	COPPER	0,03	0,012																																																																																																																																																																																																																																																														
7440666	ZINC	0,11	0,037																																																																																																																																																																																																																																																														
7726956	BROMINE	0,02	0,006																																																																																																																																																																																																																																																														
7439921	LEAD	0,37	0,15																																																																																																																																																																																																																																																														
7782414	FLUORINE	0	0,01																																																																																																																																																																																																																																																														
CAS No.	Pollutant	0 to 2.5 %	Unc.																																																																																																																																																																																																																																																														
	WAT. SOL. CHLORIDE	0,478	0,546																																																																																																																																																																																																																																																														
	NITRATES	0,568	0,701																																																																																																																																																																																																																																																														
	WAT. SOL. PHOSPHATE	0,013	0,311																																																																																																																																																																																																																																																														
	SULFATES	1,125	1,33																																																																																																																																																																																																																																																														
12125029	AMMONIUM	0,384	0,55																																																																																																																																																																																																																																																														
7440235	SODIUM	0,079	0,132																																																																																																																																																																																																																																																														
	WAT. SOL. POTASSIUM	0,497	0,208																																																																																																																																																																																																																																																														
	ORGANIC CARBON	48,868	6,759																																																																																																																																																																																																																																																														
7440440	ELEMENTAL CARBON	14,345	7,239																																																																																																																																																																																																																																																														
	CARBONATES	0,031	0,107																																																																																																																																																																																																																																																														
7440213	SILICON	0,059	0,056																																																																																																																																																																																																																																																														
7704349	SULFUR	0,159	0,05																																																																																																																																																																																																																																																														
7782505	CHLORINE	0,129	0,043																																																																																																																																																																																																																																																														
7440097	POTASSIUM	0,497	0,208																																																																																																																																																																																																																																																														
7440702	CALCIUM	0,018	0,022																																																																																																																																																																																																																																																														
7440326	TITANIUM	0,002	0,094																																																																																																																																																																																																																																																														
7440622	VANADIUM	0,001	0,038																																																																																																																																																																																																																																																														
7440473	CHROMIUM	0,001	0,01																																																																																																																																																																																																																																																														
7439965	MANGANESE	0,003	0,007																																																																																																																																																																																																																																																														
7439896	IRON	0,042	0,052																																																																																																																																																																																																																																																														
7440484	COBALT	0,002	0,004																																																																																																																																																																																																																																																														
7440508	COPPER	0,009	0,012																																																																																																																																																																																																																																																														
7440666	ZINC	0,053	0,058																																																																																																																																																																																																																																																														
7440382	ARSENIC	0,001	0,011																																																																																																																																																																																																																																																														
7726956	BROMINE	0,003	0,005																																																																																																																																																																																																																																																														
7440177	RUBIDIUM	0,001	0,005																																																																																																																																																																																																																																																														
7439987	MOLYBDENUM	0,002	0,018																																																																																																																																																																																																																																																														
7440393	BARIUM	0,021	0,297																																																																																																																																																																																																																																																														
7439910	LANTHANUM	0,001	0,334																																																																																																																																																																																																																																																														
7439976	MERCURY	0,004	0,02																																																																																																																																																																																																																																																														
7439921	LEAD	0,007	0,018																																																																																																																																																																																																																																																														
85018	PHENANTHRENE	0,001	0,002																																																																																																																																																																																																																																																														
86748	CARBAZOLE	0,002	0,001																																																																																																																																																																																																																																																														
206440	FLUORANTHENE	0,007	0,01																																																																																																																																																																																																																																																														
129000	PYRENE	0,01	0,014																																																																																																																																																																																																																																																														
	RETENE	0,059	0,066																																																																																																																																																																																																																																																														
	BENZO (B) NAPHTHOL (1,2	0,001	0																																																																																																																																																																																																																																																														
	BENZO (C) PHENANTHRENE	0,003	0,005																																																																																																																																																																																																																																																														
218019	CHRYSENE	0,015	0,015																																																																																																																																																																																																																																																														
	BENZO (B+K) FLUORANTHE	0,005	0,003																																																																																																																																																																																																																																																														

	<table style="width: 100%; border-collapse: collapse;"> <tbody> <tr><td>192972</td><td>BENZO (E) PYRENE</td><td>0,005</td><td>0,005</td><td> </td></tr> <tr><td>50328</td><td>BENZO (A) PYRENE</td><td>0,009</td><td>0,011</td><td> </td></tr> <tr><td>198550</td><td>PERYLENE</td><td>0,001</td><td>0,001</td><td> </td></tr> <tr><td>193395</td><td>INDENO (1, 2, 3-C, D) PYR</td><td>0,001</td><td>0,001</td><td> </td></tr> <tr><td>191242</td><td>BENZO (GHI) PERYLENE</td><td>0,002</td><td>0,001</td><td> </td></tr> <tr><td>646311</td><td>TETRACOSANE</td><td>0,001</td><td>0,001</td><td> </td></tr> <tr><td>629992</td><td>PENTACOSANE</td><td>0,004</td><td>0,007</td><td> </td></tr> <tr><td>630013</td><td>HEXACOSANE</td><td>0,004</td><td>0,004</td><td> </td></tr> <tr><td>593497</td><td>HEPTACOSANE</td><td>0,005</td><td>0,005</td><td> </td></tr> <tr><td>630024</td><td>OCTACOSANE</td><td>0,003</td><td>0,002</td><td> </td></tr> <tr><td>630035</td><td>NONACOSANE</td><td>0,001</td><td>0,001</td><td> </td></tr> <tr><td>638675</td><td>TRICOSANE</td><td>0,001</td><td>0,001</td><td> </td></tr> </tbody> </table>	192972	BENZO (E) PYRENE	0,005	0,005		50328	BENZO (A) PYRENE	0,009	0,011		198550	PERYLENE	0,001	0,001		193395	INDENO (1, 2, 3-C, D) PYR	0,001	0,001		191242	BENZO (GHI) PERYLENE	0,002	0,001		646311	TETRACOSANE	0,001	0,001		629992	PENTACOSANE	0,004	0,007		630013	HEXACOSANE	0,004	0,004		593497	HEPTACOSANE	0,005	0,005		630024	OCTACOSANE	0,003	0,002		630035	NONACOSANE	0,001	0,001		638675	TRICOSANE	0,001	0,001																																																																																																																																																																																																																																																																																																																																					
192972	BENZO (E) PYRENE	0,005	0,005																																																																																																																																																																																																																																																																																																																																																																																														
50328	BENZO (A) PYRENE	0,009	0,011																																																																																																																																																																																																																																																																																																																																																																																														
198550	PERYLENE	0,001	0,001																																																																																																																																																																																																																																																																																																																																																																																														
193395	INDENO (1, 2, 3-C, D) PYR	0,001	0,001																																																																																																																																																																																																																																																																																																																																																																																														
191242	BENZO (GHI) PERYLENE	0,002	0,001																																																																																																																																																																																																																																																																																																																																																																																														
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630013	HEXACOSANE	0,004	0,004																																																																																																																																																																																																																																																																																																																																																																																														
593497	HEPTACOSANE	0,005	0,005																																																																																																																																																																																																																																																																																																																																																																																														
630024	OCTACOSANE	0,003	0,002																																																																																																																																																																																																																																																																																																																																																																																														
630035	NONACOSANE	0,001	0,001																																																																																																																																																																																																																																																																																																																																																																																														
638675	TRICOSANE	0,001	0,001																																																																																																																																																																																																																																																																																																																																																																																														
<p>Profile Number 42106 Profile Name Residential Woodstove - Portland / Seattle</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">CAS No.</th> <th style="width: 35%;">Pollutant</th> <th style="width: 10%;">%</th> <th style="width: 10%;">0 to 2.5</th> <th style="width: 10%;">Unc.</th> <th style="width: 10%;"></th> </tr> </thead> <tbody> <tr><td></td><td>WAT. SOL. CHLORIDE</td><td>0,088</td><td>0,055</td><td> </td><td></td></tr> <tr><td></td><td>NITRATES</td><td>0,096</td><td>0,016</td><td> </td><td></td></tr> <tr><td></td><td>WAT. SOL. PHOSPHATE</td><td>0,008</td><td>0,017</td><td> </td><td></td></tr> <tr><td></td><td>SULFATES</td><td>0,196</td><td>0,024</td><td> </td><td></td></tr> <tr><td>12125029</td><td>AMMONIUM</td><td>0,099</td><td>0,021</td><td> </td><td></td></tr> <tr><td>7440235</td><td>SODIUM</td><td>0,041</td><td>0,036</td><td> </td><td></td></tr> <tr><td>7439954</td><td>MAGNESIUM</td><td>0,004</td><td>0,007</td><td> </td><td></td></tr> <tr><td></td><td>WAT. SOL. POTASSIUM</td><td>0,266</td><td>0,092</td><td> </td><td></td></tr> <tr><td></td><td>ORGANIC CARBON</td><td>47,172</td><td>3,405</td><td> </td><td></td></tr> <tr><td>7440440</td><td>ELEMENTAL CARBON</td><td>10,079</td><td>1,928</td><td> </td><td></td></tr> <tr><td>7429905</td><td>ALUMINUM</td><td>0,001</td><td>0,006</td><td> </td><td></td></tr> <tr><td>7440213</td><td>SILICON</td><td>0,002</td><td>0,004</td><td> </td><td></td></tr> <tr><td>7704349</td><td>SULFUR</td><td>0,082</td><td>0,008</td><td> </td><td></td></tr> <tr><td>7782505</td><td>CHLORINE</td><td>0,084</td><td>0,025</td><td> </td><td></td></tr> <tr><td>7440097</td><td>POTASSIUM</td><td>0,252</td><td>0,07</td><td> </td><td></td></tr> <tr><td>7440702</td><td>CALCIUM</td><td>0,01</td><td>0,004</td><td> </td><td></td></tr> <tr><td>7439965</td><td>MANGANESE</td><td>0,001</td><td>0</td><td> </td><td></td></tr> <tr><td>7439896</td><td>IRON</td><td>0,002</td><td>0,001</td><td> </td><td></td></tr> <tr><td>7440666</td><td>ZINC</td><td>0,006</td><td>0,001</td><td> </td><td></td></tr> <tr><td>7726956</td><td>BROMINE</td><td>0,001</td><td>0</td><td> </td><td></td></tr> <tr><td>7440177</td><td>RUBIDIUM</td><td>0,001</td><td>0</td><td> </td><td></td></tr> <tr><td>7440360</td><td>ANTIMONY</td><td>0,001</td><td>0,005</td><td> </td><td></td></tr> <tr><td>7440393</td><td>BARIUM</td><td>0,004</td><td>0,018</td><td> </td><td></td></tr> <tr><td>7439910</td><td>LANTHANUM</td><td>0,006</td><td>0,02</td><td> </td><td></td></tr> <tr><td>86737</td><td>FLUORENE</td><td>0,001</td><td>0,001</td><td> </td><td></td></tr> <tr><td>85018</td><td>PHENANTHRENE</td><td>0,001</td><td>0</td><td> </td><td></td></tr> <tr><td>120127</td><td>ANTHRACENE</td><td>0,001</td><td>0</td><td> </td><td></td></tr> <tr><td>86748</td><td>CARBAZOLE</td><td>0,001</td><td>0</td><td> </td><td></td></tr> <tr><td>206440</td><td>FLUORANTHENE</td><td>0,009</td><td>0,005</td><td> </td><td></td></tr> <tr><td>129000</td><td>PYRENE</td><td>0,01</td><td>0,006</td><td> </td><td></td></tr> <tr><td></td><td>RETENE</td><td>0,126</td><td>0,059</td><td> </td><td></td></tr> <tr><td>218019</td><td>CHRYSENE</td><td>0,012</td><td>0,005</td><td> </td><td></td></tr> <tr><td></td><td>BENZO (B+K) FLUORANTHENE</td><td>0,009</td><td>0,006</td><td> </td><td></td></tr> <tr><td>50328</td><td>BENZO (A) PYRENE</td><td>0,003</td><td>0,001</td><td> </td><td></td></tr> <tr><td>192972</td><td>BENZO (E) PYRENE</td><td>0,006</td><td>0,005</td><td> </td><td></td></tr> <tr><td>198550</td><td>PERYLENE</td><td>0,001</td><td>0</td><td> </td><td></td></tr> <tr><td>191242</td><td>BENZO (GHI) PERYLENE</td><td>0,002</td><td>0,001</td><td> </td><td></td></tr> <tr><td>646311</td><td>TETRACOSANE</td><td>0,001</td><td>0,001</td><td> </td><td></td></tr> <tr><td>629992</td><td>PENTACOSANE</td><td>0,001</td><td>0,001</td><td> </td><td></td></tr> <tr><td>630035</td><td>NONACOSANE</td><td>0,001</td><td>0,001</td><td> </td><td></td></tr> <tr><td>638675</td><td>TRICOSANE</td><td>0,001</td><td>0</td><td> </td><td></td></tr> </tbody> </table>	CAS No.	Pollutant	%	0 to 2.5	Unc.			WAT. SOL. CHLORIDE	0,088	0,055				NITRATES	0,096	0,016				WAT. SOL. PHOSPHATE	0,008	0,017				SULFATES	0,196	0,024			12125029	AMMONIUM	0,099	0,021			7440235	SODIUM	0,041	0,036			7439954	MAGNESIUM	0,004	0,007				WAT. SOL. POTASSIUM	0,266	0,092				ORGANIC CARBON	47,172	3,405			7440440	ELEMENTAL CARBON	10,079	1,928			7429905	ALUMINUM	0,001	0,006			7440213	SILICON	0,002	0,004			7704349	SULFUR	0,082	0,008			7782505	CHLORINE	0,084	0,025			7440097	POTASSIUM	0,252	0,07			7440702	CALCIUM	0,01	0,004			7439965	MANGANESE	0,001	0			7439896	IRON	0,002	0,001			7440666	ZINC	0,006	0,001			7726956	BROMINE	0,001	0			7440177	RUBIDIUM	0,001	0			7440360	ANTIMONY	0,001	0,005			7440393	BARIUM	0,004	0,018			7439910	LANTHANUM	0,006	0,02			86737	FLUORENE	0,001	0,001			85018	PHENANTHRENE	0,001	0			120127	ANTHRACENE	0,001	0			86748	CARBAZOLE	0,001	0			206440	FLUORANTHENE	0,009	0,005			129000	PYRENE	0,01	0,006				RETENE	0,126	0,059			218019	CHRYSENE	0,012	0,005				BENZO (B+K) FLUORANTHENE	0,009	0,006			50328	BENZO (A) PYRENE	0,003	0,001			192972	BENZO (E) PYRENE	0,006	0,005			198550	PERYLENE	0,001	0			191242	BENZO (GHI) PERYLENE	0,002	0,001			646311	TETRACOSANE	0,001	0,001			629992	PENTACOSANE	0,001	0,001			630035	NONACOSANE	0,001	0,001			638675	TRICOSANE	0,001	0			<p>Profile Number 13501 Profile Name Residual Oil Combustion</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">CAS No.</th> <th style="width: 35%;">Pollutant</th> <th style="width: 10%;">%</th> <th style="width: 10%;">0 to 2.5</th> <th style="width: 10%;">Unc.</th> <th style="width: 10%;"></th> </tr> </thead> <tbody> <tr><td>7440235</td><td>SODIUM</td><td>3,5</td><td>1,7</td><td> </td><td></td></tr> <tr><td>7429905</td><td>ALUMINUM</td><td>0,53</td><td>0,24</td><td> </td><td></td></tr> <tr><td>7440213</td><td>SILICON</td><td>0,96</td><td>0,48</td><td> </td><td></td></tr> <tr><td>7704349</td><td>SULFUR</td><td>13,3</td><td>2,4</td><td> </td><td></td></tr> <tr><td>7440097</td><td>POTASSIUM</td><td>0,28</td><td>0,1</td><td> </td><td></td></tr> <tr><td>7440702</td><td>CALCIUM</td><td>1,58</td><td>0,64</td><td> </td><td></td></tr> <tr><td></td><td>ORGANIC CARBON</td><td>7,8</td><td>6,2</td><td> </td><td></td></tr> <tr><td>7440440</td><td>ELEMENTAL CARBON</td><td>2,42</td><td>2,5</td><td> </td><td></td></tr> <tr><td></td><td>SULFATES</td><td>48,1</td><td>11,9</td><td> </td><td></td></tr> <tr><td></td><td>NITRATES</td><td>0,65</td><td>0,44</td><td> </td><td></td></tr> <tr><td>7440326</td><td>TITANIUM</td><td>0,11</td><td>0,038</td><td> </td><td></td></tr> <tr><td>7440622</td><td>VANADIUM</td><td>3,44</td><td>0,75</td><td> </td><td></td></tr> <tr><td>7440473</td><td>CHROMIUM</td><td>0,047</td><td>0,015</td><td> </td><td></td></tr> <tr><td>7439965</td><td>MANGANESE</td><td>0,046</td><td>0,013</td><td> </td><td></td></tr> <tr><td>7439896</td><td>IRON</td><td>2,97</td><td>0,61</td><td> </td><td></td></tr> <tr><td>7440020</td><td>NICKEL</td><td>5,36</td><td>1,21</td><td> </td><td></td></tr> <tr><td>7440508</td><td>COPPER</td><td>0,075</td><td>0,025</td><td> </td><td></td></tr> <tr><td>7440666</td><td>ZINC</td><td>0,4</td><td>0,18</td><td> </td><td></td></tr> <tr><td>7726956</td><td>BROMINE</td><td>0,013</td><td>0,021</td><td> </td><td></td></tr> <tr><td>7439921</td><td>LEAD</td><td>0,11</td><td>0,064</td><td> </td><td></td></tr> <tr><td>7782414</td><td>FLUORINE</td><td>0,053</td><td>0,019</td><td> </td><td></td></tr> </tbody> </table>	CAS No.	Pollutant	%	0 to 2.5	Unc.		7440235	SODIUM	3,5	1,7			7429905	ALUMINUM	0,53	0,24			7440213	SILICON	0,96	0,48			7704349	SULFUR	13,3	2,4			7440097	POTASSIUM	0,28	0,1			7440702	CALCIUM	1,58	0,64				ORGANIC CARBON	7,8	6,2			7440440	ELEMENTAL CARBON	2,42	2,5				SULFATES	48,1	11,9				NITRATES	0,65	0,44			7440326	TITANIUM	0,11	0,038			7440622	VANADIUM	3,44	0,75			7440473	CHROMIUM	0,047	0,015			7439965	MANGANESE	0,046	0,013			7439896	IRON	2,97	0,61			7440020	NICKEL	5,36	1,21			7440508	COPPER	0,075	0,025			7440666	ZINC	0,4	0,18			7726956	BROMINE	0,013	0,021			7439921	LEAD	0,11	0,064			7782414	FLUORINE	0,053	0,019		
CAS No.	Pollutant	%	0 to 2.5	Unc.																																																																																																																																																																																																																																																																																																																																																																																													
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7439910	LANTHANUM	0,006	0,02																																																																																																																																																																																																																																																																																																																																																																																														
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<p>Profile Number 43306 Profile Name Sandstone, Crustal</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">CAS No.</th> <th style="width: 35%;">Pollutant</th> <th style="width: 10%;">%</th> <th style="width: 10%;">0 to 2.5</th> <th style="width: 10%;">Unc.</th> <th style="width: 10%;"></th> </tr> </thead> <tbody> <tr><td>7440235</td><td>SODIUM</td><td>0,334</td><td>0</td><td> </td><td></td></tr> <tr><td>7439954</td><td>MAGNESIUM</td><td>0,7</td><td>0</td><td> </td><td></td></tr> <tr><td>7429905</td><td>ALUMINUM</td><td>2,523</td><td>0</td><td> </td><td></td></tr> <tr><td>7440213</td><td>SILICON</td><td>36,58</td><td>0</td><td> </td><td></td></tr> <tr><td>7723140</td><td>PHOSPHORUS</td><td>0,035</td><td>0</td><td> </td><td></td></tr> <tr><td>7704349</td><td>SULFUR</td><td>0,028</td><td>0</td><td> </td><td></td></tr> <tr><td>7440097</td><td>POTASSIUM</td><td>1,087</td><td>0</td><td> </td><td></td></tr> <tr><td>7440702</td><td>CALCIUM</td><td>3,933</td><td>0</td><td> </td><td></td></tr> <tr><td>7440440</td><td>ELEMENTAL CARBON</td><td>1,373</td><td>0</td><td> </td><td></td></tr> </tbody> </table>	CAS No.	Pollutant	%	0 to 2.5	Unc.		7440235	SODIUM	0,334	0			7439954	MAGNESIUM	0,7	0			7429905	ALUMINUM	2,523	0			7440213	SILICON	36,58	0			7723140	PHOSPHORUS	0,035	0			7704349	SULFUR	0,028	0			7440097	POTASSIUM	1,087	0			7440702	CALCIUM	3,933	0			7440440	ELEMENTAL CARBON	1,373	0			<p>Profile Number 43307 Profile Name Sediment, Crustal</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">CAS No.</th> <th style="width: 35%;">Pollutant</th> <th style="width: 10%;">%</th> <th style="width: 10%;">0 to 2.5</th> <th style="width: 10%;">Unc.</th> <th style="width: 10%;"></th> </tr> </thead> <tbody> <tr><td>7440235</td><td>SODIUM</td><td>0,839</td><td>0</td><td> </td><td></td></tr> <tr><td>7439954</td><td>MAGNESIUM</td><td>1,598</td><td>0</td><td> </td><td></td></tr> <tr><td>7429905</td><td>ALUMINUM</td><td>7,083</td><td>0</td><td> </td><td></td></tr> <tr><td>7440213</td><td>SILICON</td><td>27,063</td><td>0</td><td> </td><td></td></tr> <tr><td>7723140</td><td>PHOSPHORUS</td><td>0,057</td><td>0</td><td> </td><td></td></tr> <tr><td>7704349</td><td>SULFUR</td><td>0,216</td><td>0</td><td> </td><td></td></tr> <tr><td>7440097</td><td>POTASSIUM</td><td>2,374</td><td>0</td><td> </td><td></td></tr> <tr><td>7440702</td><td>CALCIUM</td><td>4,211</td><td>0</td><td> </td><td></td></tr> <tr><td>7440440</td><td>ELEMENTAL CARBON</td><td>2,129</td><td>0</td><td> </td><td></td></tr> </tbody> </table>	CAS No.	Pollutant	%	0 to 2.5	Unc.		7440235	SODIUM	0,839	0			7439954	MAGNESIUM	1,598	0			7429905	ALUMINUM	7,083	0			7440213	SILICON	27,063	0			7723140	PHOSPHORUS	0,057	0			7704349	SULFUR	0,216	0			7440097	POTASSIUM	2,374	0			7440702	CALCIUM	4,211	0			7440440	ELEMENTAL CARBON	2,129	0																																																																																																																																																																																																																																																																										
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<p>Profile Number 43305 Profile Name Shale, Crustal</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;"></th> <th style="width: 35%;"></th> <th colspan="2" style="text-align: center;">0 to 2.5</th> <th style="width: 10%;"></th> <th style="width: 10%;"></th> </tr> <tr> <th>CAS No.</th> <th>Pollutant</th> <th style="text-align: center;">%</th> <th style="text-align: center;">Unc.</th> <th></th> <th></th> </tr> </thead> <tbody> <tr><td>7440235</td><td>SODIUM</td><td style="text-align: center;">0,96</td><td style="text-align: center;">0</td><td></td><td></td></tr> <tr><td>7439954</td><td>MAGNESIUM</td><td style="text-align: center;">1,5</td><td style="text-align: center;">0</td><td></td><td></td></tr> <tr><td>7429905</td><td>ALUMINUM</td><td style="text-align: center;">8</td><td style="text-align: center;">0</td><td></td><td></td></tr> <tr><td>7440213</td><td>SILICON</td><td style="text-align: center;">27,3</td><td style="text-align: center;">0</td><td></td><td></td></tr> <tr><td>7723140</td><td>PHOSPHORUS</td><td style="text-align: center;">0,07</td><td style="text-align: center;">0</td><td></td><td></td></tr> <tr><td>7704349</td><td>SULFUR</td><td style="text-align: center;">0,24</td><td style="text-align: center;">0</td><td></td><td></td></tr> <tr><td>7782505</td><td>CHLORINE</td><td style="text-align: center;">0,018</td><td style="text-align: center;">0</td><td></td><td></td></tr> <tr><td>7440097</td><td>POTASSIUM</td><td style="text-align: center;">2,66</td><td style="text-align: center;">0</td><td></td><td></td></tr> <tr><td>7440702</td><td>CALCIUM</td><td style="text-align: center;">2,21</td><td style="text-align: center;">0</td><td></td><td></td></tr> <tr><td>7440440</td><td>ELEMENTAL CARBON</td><td style="text-align: center;">1,5</td><td style="text-align: center;">0</td><td></td><td></td></tr> <tr><td>7440326</td><td>TITANIUM</td><td style="text-align: center;">0,46</td><td style="text-align: center;">0</td><td></td><td></td></tr> <tr><td>7440622</td><td>VANADIUM</td><td style="text-align: center;">0,013</td><td style="text-align: center;">0</td><td></td><td></td></tr> <tr><td>7440473</td><td>CHROMIUM</td><td style="text-align: center;">0,009</td><td style="text-align: center;">0</td><td></td><td></td></tr> <tr><td>7439965</td><td>MANGANESE</td><td style="text-align: center;">0,085</td><td style="text-align: center;">0</td><td></td><td></td></tr> <tr><td>7439896</td><td>IRON</td><td style="text-align: center;">4,72</td><td style="text-align: center;">0</td><td></td><td></td></tr> <tr><td>7440020</td><td>NICKEL</td><td style="text-align: center;">0,007</td><td style="text-align: center;">0</td><td></td><td></td></tr> <tr><td>7440508</td><td>COPPER</td><td style="text-align: center;">0,005</td><td style="text-align: center;">0</td><td></td><td></td></tr> <tr><td>7440666</td><td>ZINC</td><td style="text-align: center;">0,01</td><td style="text-align: center;">0</td><td></td><td></td></tr> <tr><td>7440177</td><td>RUBIDIUM</td><td style="text-align: center;">0,014</td><td style="text-align: center;">0</td><td></td><td></td></tr> <tr><td>7440246</td><td>STRONTIUM</td><td style="text-align: center;">0,03</td><td style="text-align: center;">0</td><td></td><td></td></tr> <tr><td>7440315</td><td>TIN</td><td style="text-align: center;">0,001</td><td style="text-align: center;">0</td><td></td><td></td></tr> <tr><td>7440393</td><td>BARIUM</td><td style="text-align: center;">0,058</td><td style="text-align: center;">0</td><td></td><td></td></tr> <tr><td>7439921</td><td>LEAD</td><td style="text-align: center;">0,002</td><td style="text-align: center;">0</td><td></td><td></td></tr> </tbody> </table>			0 to 2.5				CAS No.	Pollutant	%	Unc.			7440235	SODIUM	0,96	0			7439954	MAGNESIUM	1,5	0			7429905	ALUMINUM	8	0			7440213	SILICON	27,3	0			7723140	PHOSPHORUS	0,07	0			7704349	SULFUR	0,24	0			7782505	CHLORINE	0,018	0			7440097	POTASSIUM	2,66	0			7440702	CALCIUM	2,21	0			7440440	ELEMENTAL CARBON	1,5	0			7440326	TITANIUM	0,46	0			7440622	VANADIUM	0,013	0			7440473	CHROMIUM	0,009	0			7439965	MANGANESE	0,085	0			7439896	IRON	4,72	0			7440020	NICKEL	0,007	0			7440508	COPPER	0,005	0			7440666	ZINC	0,01	0			7440177	RUBIDIUM	0,014	0			7440246	STRONTIUM	0,03	0			7440315	TIN	0,001	0			7440393	BARIUM	0,058	0			7439921	LEAD	0,002	0			<p>Profile Number 90001 Profile Name Solid Waste - Average</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;"></th> <th style="width: 35%;"></th> <th colspan="2" style="text-align: center;">0 to 2.5</th> <th style="width: 10%;"></th> <th style="width: 10%;"></th> </tr> <tr> <th>CAS No.</th> <th>Pollutant</th> <th style="text-align: center;">%</th> <th style="text-align: center;">Unc.</th> <th></th> <th></th> </tr> </thead> <tbody> <tr><td>7440235</td><td>SODIUM</td><td style="text-align: center;">4,775</td><td style="text-align: center;">0</td><td></td><td></td></tr> <tr><td>7439954</td><td>MAGNESIUM</td><td style="text-align: center;">0,71</td><td style="text-align: center;">0</td><td></td><td></td></tr> <tr><td>7429905</td><td>ALUMINUM</td><td style="text-align: center;">0,585</td><td style="text-align: center;">0</td><td></td><td></td></tr> <tr><td>7704349</td><td>SULFUR</td><td style="text-align: center;">2,15</td><td style="text-align: center;">0</td><td></td><td></td></tr> <tr><td>7782505</td><td>CHLORINE</td><td style="text-align: center;">11,15</td><td style="text-align: center;">0</td><td></td><td></td></tr> <tr><td>7440097</td><td>POTASSIUM</td><td style="text-align: center;">2,5</td><td style="text-align: center;">0</td><td></td><td></td></tr> <tr><td>7440702</td><td>CALCIUM</td><td style="text-align: center;">0,384</td><td style="text-align: center;">0</td><td></td><td></td></tr> <tr><td>7440326</td><td>TITANIUM</td><td style="text-align: center;">0,097</td><td style="text-align: center;">0</td><td></td><td></td></tr> <tr><td>7440473</td><td>CHROMIUM</td><td style="text-align: center;">0,018</td><td style="text-align: center;">0</td><td></td><td></td></tr> <tr><td>7439965</td><td>MANGANESE</td><td style="text-align: center;">0,042</td><td style="text-align: center;">0</td><td></td><td></td></tr> <tr><td>7439896</td><td>IRON</td><td style="text-align: center;">0,314</td><td style="text-align: center;">0</td><td></td><td></td></tr> <tr><td>7440020</td><td>NICKEL</td><td style="text-align: center;">0,007</td><td style="text-align: center;">0</td><td></td><td></td></tr> <tr><td>7440508</td><td>COPPER</td><td style="text-align: center;">0,09</td><td style="text-align: center;">0</td><td></td><td></td></tr> <tr><td>7440666</td><td>ZINC</td><td style="text-align: center;">5,9</td><td style="text-align: center;">0</td><td></td><td></td></tr> <tr><td>7440382</td><td>ARSENIC</td><td style="text-align: center;">0,01</td><td style="text-align: center;">0</td><td></td><td></td></tr> <tr><td>7726956</td><td>BROMINE</td><td style="text-align: center;">0,083</td><td style="text-align: center;">0</td><td></td><td></td></tr> <tr><td>7440224</td><td>SILVER</td><td style="text-align: center;">0,013</td><td style="text-align: center;">0</td><td></td><td></td></tr> <tr><td>7440439</td><td>CADMIUM</td><td style="text-align: center;">0,058</td><td style="text-align: center;">0</td><td></td><td></td></tr> <tr><td>7440315</td><td>TIN</td><td style="text-align: center;">0,443</td><td style="text-align: center;">0</td><td></td><td></td></tr> <tr><td>7440360</td><td>ANTIMONY</td><td style="text-align: center;">0,084</td><td style="text-align: center;">0</td><td></td><td></td></tr> <tr><td>7440462</td><td>CESIUM</td><td style="text-align: center;">0,002</td><td style="text-align: center;">0</td><td></td><td></td></tr> <tr><td>7440393</td><td>BARIUM</td><td style="text-align: center;">0,004</td><td style="text-align: center;">0</td><td></td><td></td></tr> <tr><td>7439976</td><td>MERCURY</td><td style="text-align: center;">2,665</td><td style="text-align: center;">0</td><td></td><td></td></tr> <tr><td>7439921</td><td>LEAD</td><td style="text-align: center;">4,115</td><td style="text-align: center;">0</td><td></td><td></td></tr> </tbody> </table>			0 to 2.5				CAS No.	Pollutant	%	Unc.			7440235	SODIUM	4,775	0			7439954	MAGNESIUM	0,71	0			7429905	ALUMINUM	0,585	0			7704349	SULFUR	2,15	0			7782505	CHLORINE	11,15	0			7440097	POTASSIUM	2,5	0			7440702	CALCIUM	0,384	0			7440326	TITANIUM	0,097	0			7440473	CHROMIUM	0,018	0			7439965	MANGANESE	0,042	0			7439896	IRON	0,314	0			7440020	NICKEL	0,007	0			7440508	COPPER	0,09	0			7440666	ZINC	5,9	0			7440382	ARSENIC	0,01	0			7726956	BROMINE	0,083	0			7440224	SILVER	0,013	0			7440439	CADMIUM	0,058	0			7440315	TIN	0,443	0			7440360	ANTIMONY	0,084	0			7440462	CESIUM	0,002	0			7440393	BARIUM	0,004	0			7439976	MERCURY	2,665	0			7439921	LEAD	4,115	0		
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<p>Profile Number 34008 Profile Name Tire Wear</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;"></th> <th style="width: 35%;"></th> <th colspan="2" style="text-align: center;">0 to 2.5</th> <th style="width: 10%;"></th> <th style="width: 10%;"></th> </tr> <tr> <th>CAS No.</th> <th>Pollutant</th> <th style="text-align: center;">%</th> <th style="text-align: center;">Unc.</th> <th></th> <th></th> </tr> </thead> <tbody> <tr><td>7429905</td><td>ALUMINUM</td><td style="text-align: center;">0,047</td><td style="text-align: center;">0</td><td></td><td></td></tr> <tr><td>7440213</td><td>SILICON</td><td style="text-align: center;">0,18</td><td style="text-align: center;">0</td><td></td><td></td></tr> <tr><td>7723140</td><td>PHOSPHORUS</td><td style="text-align: center;">0</td><td style="text-align: center;">0</td><td></td><td></td></tr> <tr><td>7440097</td><td>POTASSIUM</td><td style="text-align: center;">0,038</td><td style="text-align: center;">0</td><td></td><td></td></tr> <tr><td>7440702</td><td>CALCIUM</td><td style="text-align: center;">0,2</td><td style="text-align: center;">0</td><td></td><td></td></tr> </tbody> </table>			0 to 2.5				CAS No.	Pollutant	%	Unc.			7429905	ALUMINUM	0,047	0			7440213	SILICON	0,18	0			7723140	PHOSPHORUS	0	0			7440097	POTASSIUM	0,038	0			7440702	CALCIUM	0,2	0																																																																																																																																																																																																																																																																											
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7440326	TITANIUM	0,056	0		
7440622	VANADIUM	0	0		
7440473	CHROMIUM	0,003	0		
7439965	MANGANESE	0,01	0		
7439896	IRON	0,46	0		
7440020	NICKEL	0,005	0		
7440508	COPPER	0,049	0		
7440666	ZINC	0,043	0		
7440382	ARSENIC	0	0		
7782492	SELENIUM	0,002	0		
7726956	BROMINE	0,002	0		
7440177	RUBIDIUM	0	0		
7440246	STRONTIUM	0,004	0		
7440393	BARIUM	0,037	0		
7439921	LEAD	0,016	0		
7440440	ELEMENTAL CARBON	15,3	0		
	ORGANIC CARBON	36	0		
7439954	MAGNESIUM	0,036	0		
7440235	SODIUM	0,068	0		
7782505	CHLORINE	0,06	0		
	NITRATES	0,15	0		
	SULFATES	0,25	0		
12125029	AMMONIUM	0,019	0		

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	CAM2	CAM2	GRP6	GRP6
Ag	0,0000	0,0000	0,0000	0,0000
Al	0,2286	0,2710	0,2994	0,3439
B	0,0000	0,0000	0,0000	0,0000
Br	0,0035	0,0028	0,0027	0,0016
Ca	0,0069	0,0056	0,0265	0,0714
Cd	0,0000	0,0000	0,0001	0,0000
Co	0,0002	0,0002	0,0001	0,0001
Cr	0,0002	0,0004	0,0012	0,0006
Cu	0,0000	0,0000	0,0000	0,0000
Fe	0,1048	0,1274	0,1444	0,1568
K	0,0321	0,0386	0,0420	0,0433
Mg	0,0391	0,0394	0,0486	0,0427
Mn	0,0022	0,0028	0,0014	0,0013
Mo	0,0000	0,0000	0,0000	0,0000
Na	0,0069	0,0056	0,0054	0,0031
Ni	0,0009	0,0010	0,0005	0,0004
Pb	0,0000	0,0000	0,0000	0,0000
Pd	0,0000	0,0000	0,0000	0,0000
Sb	0,0001	0,0001	0,0001	0,0001
Sn	0,0000	0,0000	0,0000	0,0000
Sr	0,0000	0,0000	0,0000	0,0000
Te	0,0000	0,0000	0,0000	0,0000
Ti	0,0389	0,0225	0,0194	0,0233
V	0,0021	0,0019	0,0016	0,0017
Zn	0,0000	0,0000	0,0000	0,0000
Zr	0,0000	0,0000	0,0000	0,0000
OC	0,0069	0,0000	0,0057	0,0064
EC	0,0621	0,0849	0,1355	0,0915
TC	0,0689	0,0848	0,1412	0,0979
NH4+	0,0000	0,0000	0,0000	0,0000
Cl-	0,0026	0,0010	0,0132	0,0105
NO3-	0,0058	0,0039	0,0035	0,0044
SO4--	0,3813	0,2986	0,1012	0,0931

VOC

Profile Number 9004 Profile Name Chemical Manufacturing - Average			Profile Number 1215 Profile Name Composite of 6 Engines Burning JP-4 Fuel at 30 % Power		
CAS No.	Pollutant	Percent	CAS No.	Pollutant	Percent
	ISOMERS OF HEXANE	0,12			
	C-7 CYCLOPARAFFINS	1,75	74828	METHANE	22,1
	C-8 CYCLOPARAFFINS	0,03	74840	ETHANE	1,15
64475850	MINERAL SPIRITS	0,61	74851	ETHYLENE	36,01
	ISOMERS OF BUTENE	0,13	74986	PROPANE	0,13
	ISOMERS OF PENTANE	0,05	74862	ACETYLENE	15,46
74828	METHANE	5,07	115071	PROPYLENE	10,09
74840	ETHANE	1,38	106989	1-BUTENE	2,67
74851	ETHYLENE	8,29	106990	1,3-BUTADIENE	1
74986	PROPANE	3,45	109671	1-PENTENE	0,65
115071	PROPYLENE	2,67		C5-ENE	0,31
74862	ACETYLENE	2,14	109660	N-PENTANE	0,15
106978	N-BUTANE	1,34	107835	2-METHYLPENTANE	0,24
106989	1-BUTENE	0,37	589344	3-METHYLHEXANE	0,36
75285	ISOBUTANE	0,07	110543	N-HEXANE	0,46
109660	N-PENTANE	0,24		ISOMERS OF HEXANE	0,34
78784	ISOPENTANE	0,05	96377	METHYLCYCLOPENTANE	0,23
109671	1-PENTENE	0,02	71432	BENZENE	1,93
110543	N-HEXANE	0,06	591764	2-METHYLHEXANE	0,36
592416	1-HEXENE	0,08	96140	3-METHYLPENTANE	0,27
110827	CYCLOHEXANE	0,86	142825	N-HEPTANE	0,4
67561	METHYL ALCOHOL	2,92	108872	METHYLCYCLOHEXANE	0,45
64175	ETHYL ALCOHOL	0,18	108883	TOLUENE	1,25
67630	ISOPROPYL ALCOHOL	0,61	592278	2-METHYLHEPTANE	0,2
71363	N-BUTYL ALCOHOL	1,12	589811	3-METHYLHEPTANE	0,38
78922	S-BUTYL ALCOHOL	1,52		ISOMERS OF OCTANE	0,33
108930	CYCLOHEXANOL	0,16	100414	ETHYLBENZENE	0,17
115106	DIMETHYLETHER	4,22	1330207	ISOMERS OF XYLENE	0,87
60297	ETHYL ETHER	0,57	100425	STYRENE	0,21
111466	DIETHYLENE GLYCOL	0,05	95476	O-XYLENE	0,2
64186	FORMIC ACID	0,1	111842	N-NONANE	0,21
64197	ACETIC ACID	1,47	622968	P-ETHYLTOLUENE	0,18
107313	METHYL FORMATE	0,99	95636	1,2,4-TRIMETHYLBENZENE	0,28
79209	METHYLACETATE	1,38	124185	N-DECANE	0,19
123864	N-BUTYL ACETATE	0,06	1334787	METHYLBENZALDEHYDE	0,05
140885	ETHYL ACRYLATE	0,54	1120214	N-UNDECANE	0,18
141322	BUTYL ACRYLATE	0,22	91203	NAPHTHALENE	0,2
80626	METHYL METHACRYLATE	0,43	112403	N-DODECANE	0,15
108054	VINYL ACETATE	2,46	629505	N-TRIDECANE	0,11
109875	METHYLAL	0,38	629594	N-TETRADECANE	0,08
50000	FORMALDEHYDE	0,03			
75070	ACETALDEHYDE	1,86			
107028	ACROLEIN	1,79			
123728	BUTYRALDEHYDE	0,01			
67641	ACETONE	2,31			
78933	METHYL ETHYL KETONE	1,91			
108101	METHYL ISOBUTYL KETONE	0,25			
108941	CYCLOHEXANONE	0,16			
75218	ETHYLENE OXIDE	0,07			
75569	PROPYLENE OXIDE	0,02			
108316	MALEIC ANHYDRIDE	0,3			
108247	ACETIC ANHYDRIDE	0,09			
107131	ACRYLONITRILE	0,95			
124094	HEXAMETHYLENEDIAMINE	1,52			
74873	METHYL CHLORIDE	0,01			
67663	CHLOROFORM	0,04			
56235	CARBON TETRACHLORIDE	0,3			
74953	METHYLENE BROMIDE	0,15			
75694	TRICHLOROFLUOROMETHANE	1,15			
75003	ETHYL CHLORIDE	1,28			
107062	ETHYLENE DICHLORIDE	2,52			
76131	TRICHLOROTRIFLUOROETHANE	0,09			
75718	DICHLORODIFLUOROMETHANE	1,59			
26638197	PROPYLENE DICHLORIDE	0,08			
75730	TETRAFLUOROMETHANE	0,15			

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right;">0,07</td></tr> </table>	Profile Number	9003		Profile Name	Industrial		Processes - Average			CAS No.	Pollutant	Percent		ISOMERS OF HEXANE	1,11		ISOMERS OF HEPTANE	0,39		ISOMERS OF OCTANE	0,29		ISOMERS OF NONANE	0,04		ISOMERS OF DECANE	0,02		ISOMERS OF DODECANE	0,1		ISOMERS OF TETRADECANE	0,03		C-7 CYCLOPARAFFINS	1,87		C-8 CYCLOPARAFFINS	0,14		C-9 CYCLOPARAFFINS	0,02	64475850	MINERAL SPIRITS	0,41		ISOMERS OF BUTENE	0,09		ISOMERS OF PENTENE	0,01		ISOMERS OF PENTANE	1,75		C5 SUBSTITUTED CYCLOHEXANE	0,04		C6 SUBSTITUTED CYCLOHEXANE	0,03		ALIPHATICS	0,2		PARAFFINS (C16-C34)	0,04	74828	METHANE	9,02	74840	ETHANE	1,8	74851	ETHYLENE	5,94	74986	PROPANE	4,85	115071	PROPYLENE	2,09	74862	ACETYLENE	1,59	106978	N-BUTANE	2,49	106989	1-BUTENE	0,45	75285	ISOBUTANE	0,53	106990	1,3-BUTADIENE	0,61	109660	N-PENTANE	1,01	78784	ISOPENTANE	0,03	109671	1-PENTENE	0,04	110543	N-HEXANE	1,14	142825	N-HEPTANE	0,65	111659	N-OCTANE	0,17	111842	N-NONANE	0,05	124185	N-DECANE	0,09	1120214	N-UNDECANE	0,08	287923	CYCLOPENTANE	0,03	592416	1-HEXENE	0,06	110827	CYCLOHEXANE	0,77	112403	N-DODECANE	0,19	80568	ALPHA-PINENE	0,53	127913	BETA-PINENE	0,35	96377	METHYLCYCLOPENTANE	0,52	67561	METHYL ALCOHOL	1,95	64175	ETHYL ALCOHOL	1,12	67630	ISOPROPYL ALCOHOL	0,41	71363	N-BUTYL ALCOHOL	0,75	78922	S-BUTYL ALCOHOL	1,01	108930	CYCLOHEXANOL	0,1	115106	DIMETHYLETHER	2,82	60297	ETHYL ETHER	0,38	111466	DIETHYLENE GLYCOL		64186	FORMIC ACID	0,07	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Profile Number</td> <td style="width: 35%;">1101</td> <td style="width: 35%;"></td> </tr> <tr> <td>Profile Name</td> <td>Light Duty Gasoline Vehicles - 46 Car Study</td> <td></td> </tr> <tr> <td>CAS No.</td> <td>Pollutant</td> <td style="text-align: right;">Percent</td> </tr> <tr><td></td><td>C10 PARAFFINS</td><td style="text-align: right;">0,16</td></tr> <tr><td>74828</td><td>METHANE</td><td style="text-align: right;">10,07</td></tr> <tr><td>74840</td><td>ETHANE</td><td style="text-align: right;">1,41</td></tr> <tr><td>74851</td><td>ETHYLENE</td><td style="text-align: right;">3,92</td></tr> <tr><td>74986</td><td>PROPANE</td><td style="text-align: right;">0,56</td></tr> <tr><td>115071</td><td>PROPYLENE</td><td style="text-align: right;">1,06</td></tr> <tr><td>74862</td><td>ACETYLENE</td><td style="text-align: right;">0,75</td></tr> <tr><td>463490</td><td>PROPADIENE</td><td style="text-align: right;">0,08</td></tr> <tr><td>74997</td><td>METHYLACETYLENE (PROPYNE)</td><td style="text-align: right;">0,06</td></tr> <tr><td>106978</td><td>N-BUTANE</td><td style="text-align: right;">9,48</td></tr> <tr><td>106989</td><td>1-BUTENE</td><td style="text-align: right;">0,85</td></tr> <tr><td>75285</td><td>ISOBUTANE</td><td style="text-align: right;">1,7</td></tr> <tr><td>624646</td><td>TRANS-2-BUTENE</td><td style="text-align: right;">0,55</td></tr> <tr><td>590181</td><td>CIS-2-BUTENE</td><td style="text-align: right;">0,5</td></tr> <tr><td>106990</td><td>1,3-BUTADIENE</td><td style="text-align: right;">1,68</td></tr> <tr><td>109660</td><td>N-PENTANE</td><td style="text-align: right;">2,88</td></tr> <tr><td>78784</td><td>ISOPENTANE</td><td style="text-align: right;">6,54</td></tr> <tr><td>563451</td><td>3-METHYL-1-BUTENE</td><td style="text-align: right;">0,15</td></tr> <tr><td>109671</td><td>1-PENTENE</td><td style="text-align: right;">0,32</td></tr> <tr><td>646048</td><td>TRANS-2-PENTENE</td><td style="text-align: right;">0,68</td></tr> <tr><td>627203</td><td>CIS-2-PENTENE</td><td style="text-align: right;">0,38</td></tr> <tr><td>513359</td><td>2-METHYL-2-BUTENE</td><td style="text-align: right;">0,98</td></tr> <tr><td>107835</td><td>2-METHYLPENTANE</td><td style="text-align: right;">1,76</td></tr> <tr><td>96140</td><td>3-METHYLPENTANE</td><td style="text-align: right;">1,09</td></tr> <tr><td>110543</td><td>N-HEXANE</td><td style="text-align: right;">0,87</td></tr> <tr><td>142825</td><td>N-HEPTANE</td><td style="text-align: right;">0,65</td></tr> <tr><td>111659</td><td>N-OCTANE</td><td style="text-align: right;">0,31</td></tr> <tr><td>111842</td><td>N-NONANE</td><td style="text-align: right;">0,19</td></tr> <tr><td>124185</td><td>N-DECANE</td><td style="text-align: right;">0,16</td></tr> <tr><td>1120214</td><td>N-UNDECANE</td><td style="text-align: right;">0,53</td></tr> <tr><td>287923</td><td>CYCLOPENTANE</td><td style="text-align: right;">0,35</td></tr> <tr><td>78795</td><td>ISOPRENE</td><td style="text-align: right;">0,07</td></tr> <tr><td>592416</td><td>1-HEXENE</td><td style="text-align: right;">0,31</td></tr> <tr><td>108087</td><td>2,4-DIMETHYLPENTANE</td><td style="text-align: right;">0,58</td></tr> <tr><td>110827</td><td>CYCLOHEXANE</td><td style="text-align: right;">1,4</td></tr> <tr><td>540841</td><td>2,2,4-TRIMETHYLPENTANE</td><td style="text-align: right;">1,97</td></tr> <tr><td>565753</td><td>2,3,4-TRIMETHYLPENTANE</td><td style="text-align: right;">0,12</td></tr> <tr><td>108872</td><td>METHYLCYCLOHEXANE</td><td style="text-align: right;">0,5</td></tr> <tr><td>96377</td><td>METHYLCYCLOPENTANE</td><td style="text-align: right;">0,78</td></tr> <tr><td>693890</td><td>METHYLCYCLOPENTENE</td><td style="text-align: right;">0,01</td></tr> <tr><td>565593</td><td>2,3-DIMETHYLPENTANE</td><td style="text-align: right;">1,4</td></tr> <tr><td>79298</td><td>2,3-DIMETHYLBUTANE</td><td style="text-align: right;">0,69</td></tr> <tr><td>589435</td><td>2,4-DIMETHYLHEXANE</td><td style="text-align: right;">0,63</td></tr> <tr><td>560214</td><td>2,3,3 TRIMETHYLPENTANE</td><td style="text-align: right;">1,09</td></tr> <tr><td>625274</td><td>2-METHYL-2-PENTENE</td><td style="text-align: right;">0,42</td></tr> <tr><td>592438</td><td>2-HEXENE</td><td style="text-align: right;">0,16</td></tr> <tr><td></td><td>DIMETHYLHEXENE</td><td style="text-align: right;">0,12</td></tr> <tr><td>590738</td><td>2,2 DIMETHYLHEXANE</td><td style="text-align: right;">0,05</td></tr> <tr><td>75832</td><td>2,2-DIMETHYLBUTANE</td><td style="text-align: right;">0,21</td></tr> <tr><td>142290</td><td>CYCLOPENTENE</td><td style="text-align: right;">0,37</td></tr> <tr><td>589344</td><td>3-METHYLHEXANE</td><td style="text-align: right;">1,06</td></tr> <tr><td>592278</td><td>2-METHYLHEPTANE</td><td style="text-align: right;">0,19</td></tr> <tr><td>589537</td><td>4-METHYLHEPTANE</td><td style="text-align: right;">0,45</td></tr> <tr><td>589811</td><td>3-METHYLHEPTANE</td><td style="text-align: right;">0,36</td></tr> </table>	Profile Number	1101		Profile Name	Light Duty Gasoline Vehicles - 46 Car Study		CAS No.	Pollutant	Percent		C10 PARAFFINS	0,16	74828	METHANE	10,07	74840	ETHANE	1,41	74851	ETHYLENE	3,92	74986	PROPANE	0,56	115071	PROPYLENE	1,06	74862	ACETYLENE	0,75	463490	PROPADIENE	0,08	74997	METHYLACETYLENE (PROPYNE)	0,06	106978	N-BUTANE	9,48	106989	1-BUTENE	0,85	75285	ISOBUTANE	1,7	624646	TRANS-2-BUTENE	0,55	590181	CIS-2-BUTENE	0,5	106990	1,3-BUTADIENE	1,68	109660	N-PENTANE	2,88	78784	ISOPENTANE	6,54	563451	3-METHYL-1-BUTENE	0,15	109671	1-PENTENE	0,32	646048	TRANS-2-PENTENE	0,68	627203	CIS-2-PENTENE	0,38	513359	2-METHYL-2-BUTENE	0,98	107835	2-METHYLPENTANE	1,76	96140	3-METHYLPENTANE	1,09	110543	N-HEXANE	0,87	142825	N-HEPTANE	0,65	111659	N-OCTANE	0,31	111842	N-NONANE	0,19	124185	N-DECANE	0,16	1120214	N-UNDECANE	0,53	287923	CYCLOPENTANE	0,35	78795	ISOPRENE	0,07	592416	1-HEXENE	0,31	108087	2,4-DIMETHYLPENTANE	0,58	110827	CYCLOHEXANE	1,4	540841	2,2,4-TRIMETHYLPENTANE	1,97	565753	2,3,4-TRIMETHYLPENTANE	0,12	108872	METHYLCYCLOHEXANE	0,5	96377	METHYLCYCLOPENTANE	0,78	693890	METHYLCYCLOPENTENE	0,01	565593	2,3-DIMETHYLPENTANE	1,4	79298	2,3-DIMETHYLBUTANE	0,69	589435	2,4-DIMETHYLHEXANE	0,63	560214	2,3,3 TRIMETHYLPENTANE	1,09	625274	2-METHYL-2-PENTENE	0,42	592438	2-HEXENE	0,16		DIMETHYLHEXENE	0,12	590738	2,2 DIMETHYLHEXANE	0,05	75832	2,2-DIMETHYLBUTANE	0,21	142290	CYCLOPENTENE	0,37	589344	3-METHYLHEXANE	1,06	592278	2-METHYLHEPTANE	0,19	589537	4-METHYLHEPTANE	0,45	589811	3-METHYLHEPTANE	0,36
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75285	ISOBUTANE	1,7																																																																																																																																																																																																																																																																																																																																																								
624646	TRANS-2-BUTENE	0,55																																																																																																																																																																																																																																																																																																																																																								
590181	CIS-2-BUTENE	0,5																																																																																																																																																																																																																																																																																																																																																								
106990	1,3-BUTADIENE	1,68																																																																																																																																																																																																																																																																																																																																																								
109660	N-PENTANE	2,88																																																																																																																																																																																																																																																																																																																																																								
78784	ISOPENTANE	6,54																																																																																																																																																																																																																																																																																																																																																								
563451	3-METHYL-1-BUTENE	0,15																																																																																																																																																																																																																																																																																																																																																								
109671	1-PENTENE	0,32																																																																																																																																																																																																																																																																																																																																																								
646048	TRANS-2-PENTENE	0,68																																																																																																																																																																																																																																																																																																																																																								
627203	CIS-2-PENTENE	0,38																																																																																																																																																																																																																																																																																																																																																								
513359	2-METHYL-2-BUTENE	0,98																																																																																																																																																																																																																																																																																																																																																								
107835	2-METHYLPENTANE	1,76																																																																																																																																																																																																																																																																																																																																																								
96140	3-METHYLPENTANE	1,09																																																																																																																																																																																																																																																																																																																																																								
110543	N-HEXANE	0,87																																																																																																																																																																																																																																																																																																																																																								
142825	N-HEPTANE	0,65																																																																																																																																																																																																																																																																																																																																																								
111659	N-OCTANE	0,31																																																																																																																																																																																																																																																																																																																																																								
111842	N-NONANE	0,19																																																																																																																																																																																																																																																																																																																																																								
124185	N-DECANE	0,16																																																																																																																																																																																																																																																																																																																																																								
1120214	N-UNDECANE	0,53																																																																																																																																																																																																																																																																																																																																																								
287923	CYCLOPENTANE	0,35																																																																																																																																																																																																																																																																																																																																																								
78795	ISOPRENE	0,07																																																																																																																																																																																																																																																																																																																																																								
592416	1-HEXENE	0,31																																																																																																																																																																																																																																																																																																																																																								
108087	2,4-DIMETHYLPENTANE	0,58																																																																																																																																																																																																																																																																																																																																																								
110827	CYCLOHEXANE	1,4																																																																																																																																																																																																																																																																																																																																																								
540841	2,2,4-TRIMETHYLPENTANE	1,97																																																																																																																																																																																																																																																																																																																																																								
565753	2,3,4-TRIMETHYLPENTANE	0,12																																																																																																																																																																																																																																																																																																																																																								
108872	METHYLCYCLOHEXANE	0,5																																																																																																																																																																																																																																																																																																																																																								
96377	METHYLCYCLOPENTANE	0,78																																																																																																																																																																																																																																																																																																																																																								
693890	METHYLCYCLOPENTENE	0,01																																																																																																																																																																																																																																																																																																																																																								
565593	2,3-DIMETHYLPENTANE	1,4																																																																																																																																																																																																																																																																																																																																																								
79298	2,3-DIMETHYLBUTANE	0,69																																																																																																																																																																																																																																																																																																																																																								
589435	2,4-DIMETHYLHEXANE	0,63																																																																																																																																																																																																																																																																																																																																																								
560214	2,3,3 TRIMETHYLPENTANE	1,09																																																																																																																																																																																																																																																																																																																																																								
625274	2-METHYL-2-PENTENE	0,42																																																																																																																																																																																																																																																																																																																																																								
592438	2-HEXENE	0,16																																																																																																																																																																																																																																																																																																																																																								
	DIMETHYLHEXENE	0,12																																																																																																																																																																																																																																																																																																																																																								
590738	2,2 DIMETHYLHEXANE	0,05																																																																																																																																																																																																																																																																																																																																																								
75832	2,2-DIMETHYLBUTANE	0,21																																																																																																																																																																																																																																																																																																																																																								
142290	CYCLOPENTENE	0,37																																																																																																																																																																																																																																																																																																																																																								
589344	3-METHYLHEXANE	1,06																																																																																																																																																																																																																																																																																																																																																								
592278	2-METHYLHEPTANE	0,19																																																																																																																																																																																																																																																																																																																																																								
589537	4-METHYLHEPTANE	0,45																																																																																																																																																																																																																																																																																																																																																								
589811	3-METHYLHEPTANE	0,36																																																																																																																																																																																																																																																																																																																																																								

64197	ACETIC ACID	0,98	50000	FORMALDEHYDE	0,74
57103	PALMITIC ACID	0,4	75070	ACETALDEHYDE	0,28
107313	METHYL FORMATE	0,66	123386	PROPIONALDEHYDE	0,02
79209	METHYLACETATE	0,92	107028	ACROLEIN	0,06
123864	N-BUTYL ACETATE	0,04	123739	CROTONALDEHYDE	0,02
140885	ETHYL ACRYLATE	0,36		C10 AROMATIC	2,02
141322	BUTYL ACRYLATE	0,15	71432	BENZENE	1,39
80626	METHYL METHACRYLATE	0,29	108883	TOLUENE	5,14
108054	VINYL ACETATE	1,64	100414	ETHYLBENZENE	0,77
112390	METHYL PALMITATE	0,17	95476	O-XYLENE	1,56
124107	METHYL MYRISTATE	0,06	106423	P-XYLENE	2,56
112618	METHYL STEARATE	0,22	108678	1,3,5-TRIMETHYLBENZENE	1,87
109875	METHYLAL	0,25	95636	1,2,4-TRIMETHYLBENZENE	2,3
	C4 SUBSTITUTED CYCLOHEXANONE	0,02	103651	N-PROPYLBENZENE	0,48
50000	FORMALDEHYDE	1,82	135988	S-BUTYLBENZENE	0,11
75070	ACETALDEHYDE	1,24	135013	1,2 DIETHYLBENZENE	0,59
107028	ACROLEIN	1,2	141935	M-DIETHYLBENZENE	0,59
123728	BUTYRALDEHYDE	0,01	526738	1,2,3-TRIMETHYLBENZENE	0,66
	TOTAL C2-C5 ALDEHYDES	0,24	100527	BENZALDEHYDE	0,08
67641	ACETONE	1,82	1069530	2,3,5-TRIMETHYLHEXANE	0,09
78933	METHYL ETHYL KETONE	1,27	2213232	2,4 DIMETHYLHEPTANE	0,11
108101	METHYL ISOBUTYL KETONE	0,17	2216300	2,5 DIMETHYLHEPTANE	0,73
108941	CYCLOHEXANONE	0,1	3221612	2-METHYLOCTANE	0,01
75218	ETHYLENE OXIDE	0,05		2,4,5-TRIMETHYLHEPTANE	0,26
75569	PROPYLENE OXIDE	0,01	13269528	T-3-HEXENE	0,29
108316	MALEIC ANHYDRIDE	0,2	3522949	2,2,5-TRIMETHYLHEXANE	0,46
108247	ACETIC ANHYDRIDE	0,06	496117	INDANE	0,52
	OXYGENATES	0,01	4032944	2,4 DIMETHYLOCTANE	0,07
107131	ACRYLONITRILE	0,64		3,4 DIMETHYLOCTANE	0,74
124094	HEXAMETHYLENEDIAMINE	1,01	620144	M-ETHYLTOLUENE	1,06
74873	METHYL CHLORIDE	0,01	611143	O-ETHYLTOLUENE	0,21
67663	CHLOROFORM	0,03	538932	ISOBUTYLBENZENE	0,55
56235	CARBON TETRACHLORIDE	0,2		1-METHYL-3N-PROPYLBENZENE	0,17
74953	METHYLENE BROMIDE	0,1	535773	1-METHYL-3-ISOPROPYLBENZENE	0,38
75694	TRICHLOROFLUOROMETHANE	0,77	6975980	2-METHYLDECANE	1,08
75003	ETHYL CHLORIDE	0,85		UNIDENTIFIED	8,42
107062	ETHYLENE DICHLORIDE	1,68			
76131	TRICHLOROTRIFLUOROETHANE	0,06			
420564	TRIMETHYLFLUROSILANE	1,75			
75718	DICHLORODIFLUOROMETHANE	1,06			
26638197	PROPYLENE DICHLORIDE	0,06			
75730	TETRAFLUOROMETHANE	0,1			
75456	CHLORODIFLUOROMETHANE	0,48			
76142	DICHLOROTETRAFLUOROETHANE	0,04			
76153	CHLOROPENTAFLUOROETHANE	0,05			
76164	HEXAFLUOROETHANE	1,2			
75467	TRIFLUOROMETHANE	0,91			
75729	CHLOROTRIFLUOROMETHANE	0,16			
75014	VINYL CHLORIDE	1,07			
126998	CHLOROPRENE	1,01			
463581	CARBONYL SULFIDE	0,09			
75150	CARBON SULFIDE	0,27			
556672	OCTAMETHYLCYCLOTETRASILOXANE	0,02			
	SILOXANE	0,01			
1330207	ISOMERS OF XYLENE	0,18			
	ISOMERS OF DIETHYLBENZENE	0,04			
25551137	TRIMETHYLBENZENE	0,09			
	C3/C4/C5 ALKYL BENZENES	0,06			
71432	BENZENE	7,05			
108883	TOLUENE	1,49			
100414	ETHYLBENZENE	0,43			
95476	O-XYLENE	0,16			
108383	M-XYLENE	0,07			
106423	P-XYLENE	0,03			
100425	STYRENE	3,01			
92524	BIPHENYL	0,03			
28106301	ETHYL STYRENE	0,06			
1321740	DIVINYL BENZENE	0,01			
103297	DIPHENYL ETHANE	0,01			
	ETHYL-PHENYL-PHENYL-ETHANE	0,02			
108952	PHENOL	1,09			
	XYLENE BASE ACIDS	0,01			
65850	BENZOIC ACID	0,12			
100210	TEREPHTHALIC ACID	0,01			
131113	DIMETHYL PHTHALATE	0,12			
84742	DIBUTYL PHTHALATE	0,01			

<table style="width: 100%; border-collapse: collapse;"> <tr><td style="width: 15%;">136607</td><td style="width: 70%;">BUTYL BENZOATE</td><td style="width: 15%; text-align: right;">0,43</td></tr> <tr><td></td><td>DI-C8 ALKYL PHTHALATE</td><td style="text-align: right;">0,01</td></tr> <tr><td>100527</td><td>BENZALDEHYDE</td><td style="text-align: right;">0,05</td></tr> <tr><td>85449</td><td>PHTHALIC ANHYDRIDE</td><td style="text-align: right;">0,61</td></tr> <tr><td>62533</td><td>ANILINE</td><td style="text-align: right;">0,72</td></tr> <tr><td></td><td>2,2 DICHLORONITROANILINE</td><td style="text-align: right;">0,04</td></tr> <tr><td></td><td>BROMODINITROBENZENE</td><td style="text-align: right;">0,02</td></tr> <tr><td></td><td>TOTAL AROMATIC AMINES</td><td style="text-align: right;">0,07</td></tr> <tr><td>108907</td><td>CHLOROBENZENE</td><td style="text-align: right;">2,01</td></tr> <tr><td>95501</td><td>O-DICHLOROBENZENE</td><td style="text-align: right;">0,1</td></tr> <tr><td>541731</td><td>M-DICHLOROBENZENE</td><td style="text-align: right;">0,01</td></tr> <tr><td>106467</td><td>P-DICHLOROBENZENE</td><td style="text-align: right;">2,15</td></tr> <tr><td>25321226</td><td>DICHLOROBENZENES</td><td style="text-align: right;">0,06</td></tr> <tr><td></td><td>TRICHLOROBENZENES</td><td style="text-align: right;">0,03</td></tr> <tr><td>84651</td><td>ANTHRAQUINONE</td><td style="text-align: right;">0,03</td></tr> <tr><td>103719</td><td>PHENYL ISOCYANATE</td><td style="text-align: right;">0,24</td></tr> <tr><td>100618</td><td>4-METHYLANILINE</td><td style="text-align: right;">0,06</td></tr> <tr><td>91203</td><td>NAPHTHALENE</td><td style="text-align: right;">0,09</td></tr> <tr><td></td><td>METHYL NAPHTHALENES</td><td style="text-align: right;">0,11</td></tr> <tr><td>28804888</td><td>DIMETHYL NAPHTHALENE</td><td style="text-align: right;">0,01</td></tr> <tr><td></td><td>C2 ALKYL INDAN</td><td style="text-align: right;">0,11</td></tr> <tr><td>5794036</td><td>CAMPHERE</td><td style="text-align: right;">0,01</td></tr> <tr><td>123353</td><td>MYRCENE</td><td style="text-align: right;">0,02</td></tr> <tr><td>555102</td><td>B-PHELLANDRENE</td><td style="text-align: right;">0,02</td></tr> <tr><td>5989275</td><td>D-LIMONENE</td><td style="text-align: right;">0,08</td></tr> <tr><td>29949277</td><td>N-PENTYLCYCLOHEXANE</td><td style="text-align: right;">0,02</td></tr> <tr><td></td><td>TRIMETHYLDECENE</td><td style="text-align: right;">0,06</td></tr> <tr><td></td><td>DENATURANT</td><td style="text-align: right;">0,29</td></tr> <tr><td></td><td>UNIDENTIFIED</td><td style="text-align: right;">0,15</td></tr> </table>	136607	BUTYL BENZOATE	0,43		DI-C8 ALKYL PHTHALATE	0,01	100527	BENZALDEHYDE	0,05	85449	PHTHALIC ANHYDRIDE	0,61	62533	ANILINE	0,72		2,2 DICHLORONITROANILINE	0,04		BROMODINITROBENZENE	0,02		TOTAL AROMATIC AMINES	0,07	108907	CHLOROBENZENE	2,01	95501	O-DICHLOROBENZENE	0,1	541731	M-DICHLOROBENZENE	0,01	106467	P-DICHLOROBENZENE	2,15	25321226	DICHLOROBENZENES	0,06		TRICHLOROBENZENES	0,03	84651	ANTHRAQUINONE	0,03	103719	PHENYL ISOCYANATE	0,24	100618	4-METHYLANILINE	0,06	91203	NAPHTHALENE	0,09		METHYL NAPHTHALENES	0,11	28804888	DIMETHYL NAPHTHALENE	0,01		C2 ALKYL INDAN	0,11	5794036	CAMPHERE	0,01	123353	MYRCENE	0,02	555102	B-PHELLANDRENE	0,02	5989275	D-LIMONENE	0,08	29949277	N-PENTYLCYCLOHEXANE	0,02		TRIMETHYLDECENE	0,06		DENATURANT	0,29		UNIDENTIFIED	0,15																																																													
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<tr><td>98828</td><td>ISOPROPYLBENZENE</td><td style="text-align: right;">0,3</td></tr> <tr><td>103651</td><td>N-PROPYLBENZENE</td><td style="text-align: right;">0,97</td></tr> <tr><td>620144</td><td>M-ETHYLTOLUENE</td><td style="text-align: right;">3,8</td></tr> <tr><td>622968</td><td>P-ETHYLTOLUENE</td><td style="text-align: right;">1,28</td></tr> <tr><td>108678</td><td>1,3,5-TRIMETHYLBENZENE</td><td style="text-align: right;">1,92</td></tr> <tr><td>611143</td><td>O-ETHYLTOLUENE</td><td style="text-align: right;">1,83</td></tr> <tr><td>95636</td><td>1,2,4-TRIMETHYLBENZENE</td><td style="text-align: right;">6,84</td></tr> <tr><td>124185</td><td>N-DECANE</td><td style="text-align: right;">2,4</td></tr> <tr><td>526738</td><td>1,2,3-TRIMETHYLBENZENE</td><td style="text-align: right;">1,53</td></tr> <tr><td>1120214</td><td>N-UNDECANE</td><td style="text-align: right;">4,88</td></tr> <tr><td></td><td>OTHER</td><td style="text-align: right;">7,8</td></tr> 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P-XYLENE	10,07	100425	STYRENE	1,7	95476	O-XYLENE	3,42	111842	N-NONANE	1,03	98828	ISOPROPYLBENZENE	0,3	103651	N-PROPYLBENZENE	0,97	620144	M-ETHYLTOLUENE	3,8	622968	P-ETHYLTOLUENE	1,28	108678	1,3,5-TRIMETHYLBENZENE	1,92	611143	O-ETHYLTOLUENE	1,83	95636	1,2,4-TRIMETHYLBENZENE	6,84	124185	N-DECANE	2,4	526738	1,2,3-TRIMETHYLBENZENE	1,53	1120214	N-UNDECANE	4,88		OTHER	7,8		UNIDENTIFIED	0,36
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<p>Profile Number 2510</p> <p style="text-align: center;">Profile Name Vehicle Exhaust - 100% high emitters - Orange County, CA</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">CAS No.</th> <th style="text-align: left;">Pollutant</th> <th style="text-align: right;">Percent</th> </tr> </thead> <tbody> <tr><td>74851</td><td>ETHYLENE</td><td style="text-align: right;">4,45</td></tr> <tr><td>74862</td><td>ACETYLENE</td><td style="text-align: right;">1,65</td></tr> <tr><td>74840</td><td>ETHANE</td><td style="text-align: right;">0,43</td></tr> <tr><td>115071</td><td>PROPYLENE</td><td style="text-align: right;">1,96</td></tr> <tr><td>74986</td><td>PROPANE</td><td style="text-align: right;">0,06</td></tr> <tr><td>75285</td><td>ISOBUTANE</td><td style="text-align: right;">3,54</td></tr> <tr><td>106989</td><td>1-BUTENE</td><td style="text-align: right;">2,39</td></tr> <tr><td>106978</td><td>N-BUTANE</td><td style="text-align: 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No.	Pollutant	Percent	74851	ETHYLENE	4,45	74862	ACETYLENE	1,65	74840	ETHANE	0,43	115071	PROPYLENE	1,96	74986	PROPANE	0,06	75285	ISOBUTANE	3,54	106989	1-BUTENE	2,39	106978	N-BUTANE	1,12	624646	TRANS-2-BUTENE	0,19	590181	CIS-2-BUTENE	0,17	78784	ISOPENTANE	5,26	109671	1-PENTENE	0,23	109660	N-PENTANE	1,91	78795	ISOPRENE	0,01	646048	TRANS-2-PENTENE	0,44	627203	CIS-2-PENTENE	0,22	75832	2,2-DIMETHYLBUTANE	0,25	287923	CYCLOPENTANE	0,35	79298	2,3-DIMETHYLBUTANE	0,82	107835	2-METHYLPENTANE	2,67	96140	3-METHYLPENTANE	1,62	763291	2-METHYL-1-PENTENE	0,18	110543	N-HEXANE	1,27	96377	METHYLCYCLOPENTANE	2,1	108087	2,4-DIMETHYLPENTANE	0,87	71432	BENZENE	2,61	110827	CYCLOHEXANE	0,59	591764	2-METHYLHEXANE	1,23	565593	2,3-DIMETHYLPENTANE	1,47	589344	3-METHYLHEXANE	1,26	540841	2,2,4-TRIMETHYLPENTANE	2,62	142825	N-HEPTANE	0,9	108872	METHYLCYCLOHEXANE	0,88	565753	2,3,4-TRIMETHYLPENTANE	0,91	108883	TOLUENE	7,74	592278	2-METHYLHEPTANE	0,57	589811	3-METHYLHEPTANE	0,72	111659	N-OCTANE	0,46	100414	ETHYLBENZENE	1,51		M-XYLENE AND P-XYLENE	6,15	100425	STYRENE	0,28	95476	O-XYLENE	2,36	111842	N-NONANE	0,13	98828	ISOPROPYLBENZENE	0,08	103651	N-PROPYLBENZENE	0,42	620144	M-ETHYLTOLUENE	1,7	622968	P-ETHYLTOLUENE	0,76	108678	1,3,5-TRIMETHYLBENZENE	0,89	611143	O-ETHYLTOLUENE	0,61	95636	1,2,4-TRIMETHYLBENZENE	2,89	124185	N-DECANE	0,08	526738	1,2,3-TRIMETHYLBENZENE	0,7	141935	M-DIETHYLBENZENE	0,07	105055	1,4-DIETHYLBENZENE	0,19	1120214	N-UNDECANE	0,04		OTHER	13,9		UNIDENTIFIED	4,8	1634044	METHYL T-BUTYL ETHER	6,32	<p>Profile Number 2526</p> <p style="text-align: center;">Profile Name Vehicle Exhaust - Fort McHenry Tunnel Diesel - 1995</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">CAS No.</th> <th style="text-align: left;">Pollutant</th> <th style="text-align: right;">Percent</th> </tr> </thead> <tbody> <tr><td>74851</td><td>ETHYLENE</td><td style="text-align: right;">9,3</td></tr> <tr><td>74862</td><td>ACETYLENE</td><td style="text-align: right;">1,68</td></tr> 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589811	3-METHYLHEPTANE	0,72																																																																																																																																																																																																																																																																																																																																																		
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622968	P-ETHYLTOLUENE	0,76																																																																																																																																																																																																																																																																																																																																																		
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108087	2,4-DIMETHYLPENTANE	0,3																																																																																																																																																																																																																																																																																																																																																		
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98828	ISOPROPYLBENZENE	0,31																																																																																																																																																																																																																																																																																																																																																		
103651	N-PROPYLBENZENE	0,43																																																																																																																																																																																																																																																																																																																																																		
620144	M-ETHYLTOLUENE	1,73																																																																																																																																																																																																																																																																																																																																																		
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<p>Profile Number 2541</p> <p style="text-align: center;">Profile Name Wastewater Treatment Plants - New Jersey</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">CAS No.</th> <th style="text-align: left;">Pollutant</th> <th style="text-align: right;">Percent</th> </tr> </thead> <tbody> <tr><td>71432</td><td>BENZENE</td><td style="text-align: right;">1,15</td></tr> </tbody> </table>	CAS No.	Pollutant	Percent	71432	BENZENE	1,15	<p>Profile Number 2405</p> <p style="text-align: center;">Profile Name Wood Furniture Coating</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">CAS No.</th> <th style="text-align: left;">Pollutant</th> <th style="text-align: right;">Percent</th> </tr> </thead> <tbody> <tr><td>64475850</td><td>MINERAL SPIRITS</td><td style="text-align: right;">3,17</td></tr> </tbody> </table>	CAS No.	Pollutant	Percent	64475850	MINERAL SPIRITS	3,17																																																																																																																																																																																																																																																																																																																																							
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78922	S-BUTYL ALCOHOL	10,15																																																																																																														
123422	DIACETONE ALCOHOL	0,84																																																																																																														
107211	ETHYLENE GLYCOL	0,07																																																																																																														
111900	CARBITOL	0,03																																																																																																														
111773	METHYL CARBITOL	0,03																																																																																																														
112345	BUTYL CARBITOL	0,16																																																																																																														
141786	ETHYL ACETATE	2,88																																																																																																														
123864	N-BUTYL ACETATE	5,28																																																																																																														
111159	CELLOSOLVE ACETATE	0,1																																																																																																														
67641	ACETONE	1,11																																																																																																														
78933	METHYL ETHYL KETONE	5,54																																																																																																														
108101	METHYL ISOBUTYL KETONE	7,27																																																																																																														
	OXYGENATES	0,77																																																																																																														
1330207	ISOMERS OF XYLENE	14,91																																																																																																														
108883	TOLUENE	26,28																																																																																																														
	UNC PEAKS TO CBM XYLENE	3,39																																																																																																														
34590948	MONOMETHYL ETHER DIPROPYLENE GLYCOL	0,08																																																																																																														
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107982	1-METHOXY-2-PROPANOL	0,08																																																																																																														
10865	PROPYLENE GLYCOL	0,17																																																																																																														
	MONOMETHYL ETHER ACETATE	0,13																																																																																																														
	KETONES - GENERAL	0,13																																																																																																														
<p>Profile Number 0122</p> <p style="text-align: center;">Profile Name Bar Screen Waste Incinerator</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">CAS No.</th> <th style="text-align: left;">Pollutant</th> <th style="text-align: right;">Percent</th> </tr> </thead> <tbody> <tr><td>74828</td><td>METHANE</td><td style="text-align: right;">80,4</td></tr> <tr><td>74840</td><td>ETHANE</td><td style="text-align: right;">2,7</td></tr> <tr><td>74851</td><td>ETHYLENE</td><td style="text-align: right;">8,7</td></tr> <tr><td>115071</td><td>PROPYLENE</td><td style="text-align: right;">0,5</td></tr> <tr><td>71432</td><td>BENZENE</td><td style="text-align: right;">7,7</td></tr> </tbody> </table>	CAS No.	Pollutant	Percent	74828	METHANE	80,4	74840	ETHANE	2,7	74851	ETHYLENE	8,7	115071	PROPYLENE	0,5	71432	BENZENE	7,7	<p>Profile Number 0305</p> <p style="text-align: center;">Profile Name Fixed Roof Tank - Crude Oil Marine Terminal</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">CAS No.</th> <th style="text-align: left;">Pollutant</th> <th style="text-align: right;">Percent</th> </tr> </thead> <tbody> <tr><td>74828</td><td>METHANE</td><td style="text-align: right;">2,6</td></tr> <tr><td>74840</td><td>ETHANE</td><td style="text-align: right;">3,7</td></tr> <tr><td>74986</td><td>PROPANE</td><td style="text-align: right;">15,8</td></tr> <tr><td>106978</td><td>N-BUTANE</td><td style="text-align: right;">30,2</td></tr> <tr><td>109660</td><td>N-PENTANE</td><td style="text-align: right;">18,5</td></tr> <tr><td>110543</td><td>N-HEXANE</td><td style="text-align: right;">8,8</td></tr> <tr><td>142825</td><td>N-HEPTANE</td><td style="text-align: right;">10,8</td></tr> <tr><td>111659</td><td>N-OCTANE</td><td style="text-align: right;">9,6</td></tr> </tbody> </table>	CAS No.	Pollutant	Percent	74828	METHANE	2,6	74840	ETHANE	3,7	74986	PROPANE	15,8	106978	N-BUTANE	30,2	109660	N-PENTANE	18,5	110543	N-HEXANE	8,8	142825	N-HEPTANE	10,8	111659	N-OCTANE	9,6																																																																		
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<p>Profile Number 0002</p> <p style="text-align: center;">Profile Name External Combustion Boiler - Distillate Oil</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">CAS No.</th> <th style="text-align: left;">Pollutant</th> <th style="text-align: right;">Percent</th> </tr> </thead> <tbody> <tr><td></td><td>ISOMERS OF HEXANE</td><td style="text-align: right;">5,2</td></tr> <tr><td></td><td>ISOMERS OF HEPTANE</td><td style="text-align: right;">2,6</td></tr> <tr><td></td><td>ISOMERS OF OCTANE</td><td style="text-align: right;">4,7</td></tr> <tr><td></td><td>ISOMERS OF PENTANE</td><td style="text-align: right;">5,5</td></tr> <tr><td>74986</td><td>PROPANE</td><td style="text-align: right;">1,2</td></tr> <tr><td>106978</td><td>N-BUTANE</td><td style="text-align: right;">12,2</td></tr> <tr><td>75285</td><td>ISOBUTANE</td><td style="text-align: right;">4,1</td></tr> <tr><td>109660</td><td>N-PENTANE</td><td style="text-align: right;">4,7</td></tr> <tr><td>110543</td><td>N-HEXANE</td><td style="text-align: right;">10,8</td></tr> <tr><td>142825</td><td>N-HEPTANE</td><td style="text-align: right;">0,3</td></tr> <tr><td>50000</td><td>FORMALDEHYDE</td><td style="text-align: right;">48,7</td></tr> </tbody> </table>	CAS No.	Pollutant	Percent		ISOMERS OF HEXANE	5,2		ISOMERS OF HEPTANE	2,6		ISOMERS OF OCTANE	4,7		ISOMERS OF PENTANE	5,5	74986	PROPANE	1,2	106978	N-BUTANE	12,2	75285	ISOBUTANE	4,1	109660	N-PENTANE	4,7	110543	N-HEXANE	10,8	142825	N-HEPTANE	0,3	50000	FORMALDEHYDE	48,7	<p>Profile Number 0001</p> <p style="text-align: center;">Profile Name External Combustion Boiler - Residual Oil</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">CAS No.</th> <th style="text-align: left;">Pollutant</th> <th style="text-align: right;">Percent</th> </tr> </thead> <tbody> <tr><td>74828</td><td>METHANE</td><td style="text-align: right;">11</td></tr> <tr><td>106978</td><td>N-BUTANE</td><td style="text-align: right;">14</td></tr> <tr><td>110543</td><td>N-HEXANE</td><td style="text-align: right;">5</td></tr> <tr><td>50000</td><td>FORMALDEHYDE</td><td style="text-align: right;">42</td></tr> <tr><td>67641</td><td>ACETONE</td><td style="text-align: right;">28</td></tr> </tbody> </table>	CAS No.	Pollutant	Percent	74828	METHANE	11	106978	N-BUTANE	14	110543	N-HEXANE	5	50000	FORMALDEHYDE	42	67641	ACETONE	28																																																									
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Profili sperimentali EniTecnologie ($\mu\text{g}/\text{Nm}^3$)

Codice CMB8	ENIHV3	ENIHL3	ENILN2
Modello	Fuoristrada Land Rover	Fuoristrada Land Rover	Honda
Benzene	0.0161	0.0066	0.2974
Formaldeide	0.3956	0.3631	0.0373
Acetaldeide	0.2853	0.3516	0.0675
Acroleina	0.0455	0.0592	0.0123
Acetone	0.1045	0.0999	0.0387
Benzaldeide	0.0271	0.0140	0.0212
Toluene	0.0097	0.0026	0.2832
Etilbenzene	0.0032	0.0013	0.0189
o-Xilene	0.0032	0.0013	0.0189
m+p-Xilene	0.0032	0.0000	0.1275
Fluorantene	0.0001	0.0000	0.0000
Pirene	0.0001	0.0000	0.0000
Isovaleraldeide	0.0006	0.0026	0.0024
O-Tolualdeide	0.0000	0.0001	0.0042

	Amicizia Lagaccio						
	20.06	21.06	05.07	06.07	19.07	20.07	26.07
Ag	*	*	*	*	*	*	*
Al	*	*	*	*			*
B	*	*	*	*	*	*	*
Br					*	*	
Ca	*	*	*	*	*		*
Cd	*	*	*	*	*	*	*
Co	*	*	*	*	*	*	*
Cr	*	*	*	*	*	*	
Cu	*	*	*	*	*	*	*
Fe	*	*	*	*	*	*	*
K	*	*	*	*	*	*	*
Mg	*	*	*	*	*	*	
Mo	*	*	*	*	*	*	*
Na	*	*	*	*	*	*	*
Ni	*	*	*	*	*	*	*
Pb	*	*	*	*	*	*	*
Sb					*	*	*
Sn	*	*	*	*	*		*
Sr							*
Te	*	*	*	*	*	*	*
Ti	*	*	*	*	*	*	*
V	*	*	*	*	*	*	*
Zn							*
Zr	*	*	*	*	*	*	*
OC	*	*	*	*	*	*	*
EC	*	*	*	*	*	*	*
TC	*	*	*	*	*	*	*
NH4							*
Cl						*	*
SO4	*	*	*	*	*	*	*
NO3	*	*	*	*	*	*	*

	Rocca dei Corvi		Quarto								
	20.07	26.07	11.05	25.05	26.05	20.06	21.06	06.07	19.07	20.07	26.07
Benzene	*		*		*		*	*	*		
Ac. acetico	*	*	*	*	*	*	*	*	*	*	*
Formaldeide	*	*		*		*	*	*	*	*	*
Acetaldeide		*	*	*	*			*			
Acroleina	*			*	*	*	*	*	*	*	*
Butirraldeide	*		*	*	*	*		*		*	*
Acetone		*	*	*	*	*	*		*	*	*
Benzaldeide	*	*			*	*	*	*	*	*	*
Trans - Dicloroetilene	*	*			*			*		*	*
Toluene			*			*	*	*	*		
Etilbenzene		*	*	*	*	*	*	*	*	*	*
o-Xilene		*	*	*	*	*	*	*	*		
m-Xilene + p-Xilene			*	*	*	*		*			
Stirene		*	*	*	*	*	*	*	*	*	*
o-Diclorobenzene		*	*	*	*	*	*		*	*	*
p-Diclorobenzene	*	*	*	*	*	*	*	*	*	*	*
Paraffine (16-34)											
d-Limonene		*	*	*	*	*	*	*	*	*	*
Nonano					*			*			
Isopropilbenzene		*	*	*	*	*		*			
1,2,4,Trimetilbenzene		*	*	*	*						
1,2,3 Trimetilbenzene		*	*	*	*			*			
1,3,5,Trimetilbenzene					*						
Naftalene		*				*	*		*		
Fenantrene											
Antracene	*										
Fluorantene											
Pirene											
Esano											
Eptano	*	*	*	*	*	*	*	*	*	*	*
Undecano	*	*	*	*	*	*	*	*	*	*	*
Dodecano	*	*	*	*	*			*			
Tetracloruro di Carbonio	*		*	*	*			*		*	*
Isovaleraldeide	*		*	*		*	*		*	*	*
O_Tolualdeide	*	*	*	*	*	*	*	*	*	*	*
alpha-Mircene			*	*	*			*		*	*
alpha-Pinene			*	*	*			*		*	*

	Amicizia Lagaccio					
	20.06	21.06	05.07	06.07	19.07	20.07
Benzene		*	*	*		
Ac. acetico	*	*	*	*	*	*
Formaldeide		*	*	*		*
Acetaldeide	*	*	*	*	*	*
Acroleina		*	*			*
Butirraldeide		*	*	*	*	*
Acetone						
Benzaldeide			*			
Trifluorometano		*	*	*	*	*
Trans - Dicloroetilene						
Toluene	*					
Etilbenzene	*	*		*	*	*
o-Xilene	*	*	*	*	*	*
m-Xilene + p-Xilene	*					
Stirene		*	*	*	*	*
o-Diclorobenzene		*	*	*	*	*
p-Diclorobenzene			*		*	
Paraffine (16-34)						
d-Limonene		*	*	*	*	*
Nonano						
Isopropilbenzene				*		
1,2,4,Trimetilbenzene	*	*	*	*	*	*
1,2,3 Trimetilbenzene						
1,3,5,Trimetilbenzene						
Naftalene	*		*		*	
Fenantrene						
Antracene						
Fluorantene						
Pirene						
Esano						
Eptano		*	*	*	*	*
Undecano						
Dodecano			*		*	
Tetracloruro di Carbonio			*	*		
Isovaleraldeide	*	*	*	*	*	*
O_Tolualdeide		*	*	*	*	*
alpha-Mircene			*	*	*	
alpha-Pinene						

APPENDICE 4: DETTAGLIO DELLE SINGOLE ELABORAZIONI DEL MODELLO CMB-8

PM10

SOURCE CONTRIBUTION ESTIMATES - SITE: MOLT					DATE: 11/05/06	CMB8
SAMPLE DURATION	24	START HOUR	0	SIZE:	PM10	
R SQUARE	.9	PERCENT MASS	99			
SOURCE						
EST CODE	NAME	SCE (UG/M3)	STD ERR	TSTAT		

YES 32203	TRGHDS	14.22807	5.76385	2.46850		
YES 13502	TRNWHOIL	1.33117	1.10851	1.20086		
YES 43101	AEMARI	.13296	.15708	.84640		
YES 00001	SNH4NO	.77212	.08014	9.63428		
YES 00002	SNH4SO	2.63911	.22132	11.92416		
YES 00003	SOORG	12.00006	1.21039	9.91418		
YES 17122	RIFANG	.18249	.01652	11.04335		
YES POW05	ENGRP6	.18598	.26830	.69316		

MEASURED CONCENTRATION FOR SIZE: PM10						
	31.9+-	3.2				

SOURCE CONTRIBUTION ESTIMATES - SITE: MOLT					DATE: 25/05/06	CMB8
SAMPLE DURATION	24	START HOUR	0	SIZE:	PM10	
R SQUARE	.8	PERCENT MASS	104			
SOURCE						
EST CODE	NAME	SCE (UG/M3)	STD ERR	TSTAT		

YES 32203	TRGHDS	9.88279	4.15711	2.37732		
YES 13502	TRNWHOIL	9.38701	1.28733	7.29182		
YES 43101	AEMARI	.43308	.11752	3.68530		
YES 00001	SNH4NO	2.90901	.40507	7.18142		
YES 00002	SNH4SO	1.09359	.30235	3.61701		
YES 00003	SOORG	12.83064	1.29476	9.90967		
YES 17122	RIFANG	.42390	.04153	10.20672		

MEASURED CONCENTRATION FOR SIZE: PM10						
	35.4+-	3.5				

SOURCE CONTRIBUTION ESTIMATES - SITE: MOLT					DATE: 26/05/06	CMB8
SAMPLE DURATION	24	START HOUR	0	SIZE:	PM10	
R SQUARE	.8	PERCENT MASS	103			
SOURCE						
EST CODE	NAME	SCE (UG/M3)	STD ERR	TSTAT		

YES 32203	TRGHDS	12.20080	5.01303	2.43381		
YES 13502	TRNWHOIL	13.19923	1.70462	7.74321		
YES 43101	AEMARI	.04797	.14886	.32227		
YES 00001	SNH4NO	3.83771	.42984	8.92823		
YES 00002	SNH4SO	5.17995	.56964	9.09333		
YES 00003	SOORG	15.20694	1.52808	9.95164		
YES 17122	RIFANG	.27429	.02440	11.23932		
YES POW05	ENGRP6	.07714	.25095	.30738		

MEASURED CONCENTRATION FOR SIZE: PM10						
	48.7+-	4.9				

SOURCE CONTRIBUTION ESTIMATES - SITE: MOLT				DATE: 20/06/06	CMB8
SAMPLE DURATION	24	START HOUR	0	SIZE:	PM10
R SQUARE	.8	PERCENT MASS	83		
SOURCE					
EST CODE	NAME	SCE (UG/M3)	STD ERR	TSTAT	

YES 32203	TRGHDS	12.29795	5.19427	2.36760	
YES 11508	TRNPOW	1.73826	.34277	5.07120	
YES 43101	AEMARI	.15026	.16155	.93013	
YES 00001	SNH4NO	2.09784	.22241	9.43219	
YES 00002	SNH4SO	3.98769	.42545	9.37280	
YES 00003	SOORG	17.14456	1.73536	9.87952	
YES 17122	RIFANG	.15334	.01796	8.53755	
YES POW03	ENGRP6	.01045	.31536	.03314	

MEASURED CONCENTRATION FOR SIZE: PM10					
45.4+-		4.5			

SOURCE CONTRIBUTION ESTIMATES - SITE: MOLT				DATE: 21/06/06	CMB8
(97350)					
SAMPLE DURATION	24	START HOUR	0	SIZE:	PM10
R SQUARE	.8	PERCENT MASS	101		
SOURCE					
EST CODE	NAME	SCE (UG/M3)	STD ERR	TSTAT	

YES 32203	TRGHDS	19.02506	7.68325	2.47617	
YES 13502	TRNWHOIL	2.65511	1.48447	1.78860	
YES 00001	SNH4NO	1.75474	.18373	9.55066	
YES 00002	SNH4SO	5.56472	.50334	11.05558	
YES 00003	SOORG	20.66295	2.11157	9.78559	
YES 17122	RIFANG	.24865	.02061	12.06163	
YES POW01	ENCAM2	1.39578	.26602	5.24691	

MEASURED CONCENTRATION FOR SIZE: PM10					
50.8+-		5.1			

SOURCE CONTRIBUTION ESTIMATES - SITE: MOLT				DATE: 06/07/06	CMB8
SAMPLE DURATION	24	START HOUR	0	SIZE:	PM10
R SQUARE	.9	PERCENT MASS	82		
SOURCE					
EST CODE	NAME	SCE (UG/M3)	STD ERR	TSTAT	

YES 32203	TRGHDS	9.39014	3.89608	2.41015	
YES 13502	TRNWHOIL	3.92962	.84759	4.63623	
YES 43101	AEMARI	.11542	.13721	.84118	
YES 00001	SNH4NO	.74285	.07810	9.51208	
YES 00002	SNH4SO	2.13452	.19563	10.91121	
YES 00003	SOORG	12.40914	1.26342	9.82190	
YES 17122	RIFANG	.06380	.03834	1.66376	
YES POW01	ENCAM2	.34384	.37577	.91502	

MEASURED CONCENTRATION FOR SIZE: PM10					
35.4+-		3.5			

SOURCE CONTRIBUTION ESTIMATES - SITE: PORT					DATE: 11/05/06	CMB8
SAMPLE DURATION	24	START HOUR	0	SIZE:	PM10	
R SQUARE	.9	PERCENT MASS	88			
SOURCE						
EST CODE	NAME	SCE (UG/M3)	STD ERR	TSTAT		

YES 32203	TRGHDS	1.96458	.82108	2.39268		
YES 13502	TRNWHOIL	2.88155	.59099	4.87583		
YES 41401	CTMIX	.41623	.18919	2.20000		
YES 43101	AEMARI	.09936	.10379	.95731		
YES 00001	SNH4NO	1.19562	.12724	9.39643		
YES 00002	SNH4SO	2.81370	.25618	10.98330		
YES 00003	SOORG	3.90248	.39060	9.99095		
YES 17120	RIFANG	.01284	.01182	1.08613		

MEASURED CONCENTRATION FOR SIZE: PM10						
	15.2+-	1.5				

SOURCE CONTRIBUTION ESTIMATES - SITE: PORT					DATE: 25/05/06	CMB8
SAMPLE DURATION	24	START HOUR	0	SIZE:	PM10	
R SQUARE	.8	PERCENT MASS	99			
SOURCE						
EST CODE	NAME	SCE (UG/M3)	STD ERR	TSTAT		

YES 32203	TRGHDS	2.13729	.90044	2.37360		
YES 11506	TRNPOW	.19894	.16405	1.21272		
YES 41401	CTMIX	7.57145	.81998	9.23374		
YES 43101	AEMARI	.24109	.16109	1.49662		
YES 00001	SNH4NO	7.80961	.78092	10.00051		
YES 00002	SNH4SO	8.54976	.88550	9.65526		
YES 00003	SOORG	3.55750	.36082	9.85938		
YES POW04	ENGRP6	.08131	.20631	.39413		

MEASURED CONCENTRATION FOR SIZE: PM10						
	30.3+-	3.0				

SOURCE CONTRIBUTION ESTIMATES - SITE: PORT					DATE: 26/05/06	CMB8
SAMPLE DURATION	24	START HOUR	0	SIZE:	PM10	
R SQUARE	.8	PERCENT MASS	109			
SOURCE						
EST CODE	NAME	SCE (UG/M3)	STD ERR	TSTAT		

YES 32203	TRGHDS	4.50466	1.89358	2.37891		
YES 13502	TRNWHOIL	1.84707	.39138	4.71940		
YES 41401	CTMIX	7.92105	.81992	9.66080		
YES 00001	SNH4NO	6.35018	.63513	9.99817		
YES 00002	SNH4SO	14.89119	1.50167	9.91644		
YES 00003	SOORG	6.61628	.67761	9.76411		
YES POW04	ENGRP6	1.05461	.25280	4.17170		

MEASURED CONCENTRATION FOR SIZE: PM10						
	39.6+-	4.0				

SOURCE CONTRIBUTION ESTIMATES - SITE: PORT				DATE: 20/06/06	CMB8
SAMPLE DURATION	24	START HOUR	0	SIZE:	PM10
R SQUARE	.8	PERCENT MASS	84		
SOURCE					
EST CODE	NAME	SCE (UG/M3)	STD ERR	TSTAT	

YES 32205	TRGLDS	7.95850	7.27877	1.09339	
YES 32203	TRGHDS	5.03707	2.11086	2.38626	
YES 13502	TRNWHOIL	6.12987	1.44111	4.25357	
YES 41401	CTMIX	.25733	.24716	1.04114	
YES 43101	AEMARI	.74566	.11829	6.30376	
YES 00001	SNH4NO	3.63882	.36395	9.99819	
YES 00002	SNH4SO	9.94339	1.00711	9.87321	
YES 00003	SOORG	4.59762	3.14751	1.46072	

MEASURED CONCENTRATION FOR SIZE: PM10					
	45.7+-	4.6			

SOURCE CONTRIBUTION ESTIMATES - SITE: PORT				DATE: 21/06/06	CMB8
SAMPLE DURATION	24	START HOUR	0	SIZE:	PM10
R SQUARE	.8	PERCENT MASS	84		
SOURCE					
EST CODE	NAME	SCE (UG/M3)	STD ERR	TSTAT	

YES 32205	TRGLDS	7.23134	7.19495	1.00506	
YES 32203	TRGHDS	4.69811	2.16061	2.17444	
YES 11508	TRNPOW	.98513	.27244	3.61594	
YES 42307	CLBURN	.05896	.05874	1.00372	
YES 42304	CVAGRI	4.66947	2.95254	1.58151	
YES 43101	AEMARI	2.17977	.43445	5.01727	
YES 00001	SNH4NO	2.66663	.29842	8.93590	
YES 00002	SNH4SO	3.74800	.47427	7.90266	
YES 00003	SOORG	7.21051	3.05155	2.36290	
YES POW05	ENGRP6	9.61719	.75299	12.77199	

MEASURED CONCENTRATION FOR SIZE: PM10					
	51.4+-	5.1			

SOURCE CONTRIBUTION ESTIMATES - SITE: ROCV				DATE: 11/05/06	CMB8
SAMPLE DURATION	24	START HOUR	0	SIZE:	PM10
R SQUARE	.8	PERCENT MASS	95		
SOURCE					
EST CODE	NAME	SCE (UG/M3)	STD ERR	TSTAT	

YES 32203	TRGHDS	1.45070	.70324	2.06288	
YES 13502	TRNWHOIL	2.87317	.45818	6.27079	
YES 42317	CLCOMB	1.03694	1.06727	.97158	
YES 22202	CTSDUS	1.16049	2.32799	.49850	
YES 43101	AEMARI	.14834	.09959	1.48945	
YES 00001	SNH4NO	.61893	.06453	9.59121	
YES 00002	SNH4SO	2.22580	.19229	11.57538	
YES 00003	SOORG	3.13020	.73457	4.26128	
YES 17122	RIFANG	.09115	.00833	10.94293	

MEASURED CONCENTRATION FOR SIZE: PM10					
	13.4+-	1.3			

SOURCE CONTRIBUTION ESTIMATES - SITE: ROCV					DATE: 25/05/06	CMB8
SAMPLE DURATION	24	START HOUR	0	SIZE:	PM10	
R SQUARE	.8	PERCENT MASS	105			
SOURCE						
EST CODE	NAME	SCE (UG/M3)	STD ERR	TSTAT		

YES 32203	TRGHDS	1.66857	.88005	1.89601		
YES 42317	CLCOMB	8.35861	.79721	10.48487		
YES 22202	CTSDUS	7.38812	2.96753	2.48965		
YES 43101	AEMARI	.83323	.11420	7.29648		
YES 00001	SNH4NO	5.99592	.59961	9.99978		
YES 00002	SNH4SO	8.09230	.82351	9.82658		
YES 17122	RIFANG	.33017	.03340	9.88629		

MEASURED CONCENTRATION FOR SIZE: PM10						
	31.1+-	3.1				

SOURCE CONTRIBUTION ESTIMATES - SITE: ROCV					DATE: 26/05/06	CMB8
SAMPLE DURATION	24	START HOUR	0	SIZE:	PM10	
R SQUARE	.8	PERCENT MASS	106			
SOURCE						
EST CODE	NAME	SCE (UG/M3)	STD ERR	TSTAT		

YES 32203	TRGHDS	2.94848	1.27894	2.30541		
YES 13502	TRNWHOIL	2.53316	.33268	7.61449		
YES 42317	CLCOMB	2.09198	3.28486	.63686		
YES 43101	AEMARI	.08556	.10458	.81808		
YES 00001	SNH4NO	4.96619	.49658	10.00080		
YES 00002	SNH4SO	15.78849	1.58402	9.96733		
YES 00003	SOORG	5.99878	1.91897	3.12604		
YES 17122	RIFANG	.34023	.03114	10.92411		
YES POW01	ENCAM2	.19632	.18480	1.06234		

MEASURED CONCENTRATION FOR SIZE: PM10						
	32.8+-	3.3				

SOURCE CONTRIBUTION ESTIMATES - SITE: ROCV					DATE: 20/06/06	CMB8
SAMPLE DURATION	24	START HOUR	0	SIZE:	PM10	
R SQUARE	.8	PERCENT MASS	111			
SOURCE						
EST CODE	NAME	SCE (UG/M3)	STD ERR	TSTAT		

YES 32203	TRGHDS	2.12142	.94096	2.25453		
YES 42308	CLBURN	.32384	.05933	5.45837		
YES 43307	CTCRUS	17.07642	1.30874	13.04794		
YES 43101	AEMARI	.50335	.10646	4.72794		
YES 00001	SNH4NO	3.13554	.31355	10.00005		
YES 00002	SNH4SO	10.41686	1.05668	9.85812		
YES 00003	SOORG	6.04088	.60539	9.97856		
YES 17122	RIFANG	.10209	.04034	2.53077		
YES POW01	ENCAM2	.17361	.47983	.36182		

MEASURED CONCENTRATION FOR SIZE: PM10						
	35.9+-	3.6				

SOURCE CONTRIBUTION ESTIMATES - SITE: ROCV				DATE: 21/06/06	CMB8
SAMPLE DURATION	24	START HOUR	0	SIZE:	PM10
R SQUARE	.9	PERCENT MASS	82		
SOURCE					
EST CODE	NAME	SCE (UG/M3)	STD ERR	TSTAT	

YES 32203	TRGHDS	1.65383	.76078	2.17385	
YES 13502	TRNWHOIL	1.92019	.51089	3.75850	
YES 42308	CLBURN	.69360	.14996	4.62521	
YES 43305	CTCRUS	13.08990	1.07119	12.21996	
YES 43101	AEMARI	.12086	.12447	.97097	
YES 00001	SNH4NO	1.64556	.17351	9.48395	
YES 00002	SNH4SO	4.40529	.42671	10.32380	
YES 00003	SOORG	7.79473	.75142	10.37334	
YES 17122	RIFANG	.13528	.03966	3.41144	
YES POW02	ENCAM2	2.05290	.35046	5.85770	

MEASURED CONCENTRATION FOR SIZE: PM10					
	41.1+-	4.1			

SOURCE CONTRIBUTION ESTIMATES - SITE: ROCV				DATE: 05/07/06	CMB8
SAMPLE DURATION	24	START HOUR	0	SIZE:	PM10
R SQUARE	.8	PERCENT MASS	85		
SOURCE					
EST CODE	NAME	SCE (UG/M3)	STD ERR	TSTAT	

YES 32203	TRGHDS	1.62953	.69714	2.33745	
YES 13502	TRNWHOIL	.48702	.42418	1.14815	
YES 42308	CLBURN	1.53705	.14540	10.57123	
YES 43305	CTCRUS	8.01279	.49767	16.10061	
YES 43101	AEMARI	.27946	.12287	2.27450	
YES 00001	SNH4NO	1.78964	.18976	9.43083	
YES 00002	SNH4SO	4.30775	.42244	10.19732	
YES 00003	SOORG	6.49124	.62437	10.39647	
YES 17122	RIFANG	.13343	.01281	10.42015	

MEASURED CONCENTRATION FOR SIZE: PM10					
	28.9+-	2.9			

SOURCE CONTRIBUTION ESTIMATES - SITE: ROCV				DATE: 06/07/06	CMB8
SAMPLE DURATION	24	START HOUR	0	SIZE:	PM10
R SQUARE	.8	PERCENT MASS	81		
SOURCE					
EST CODE	NAME	SCE (UG/M3)	STD ERR	TSTAT	

YES 32203	TRGHDS	.61415	.44488	1.38050	
YES 42317	CLCOMB	4.11510	1.72849	2.38075	
YES 42323	CVBURN	4.87021	1.56893	3.10416	
YES 43101	AEMARI	2.41745	.33500	7.21638	
YES 00001	SNH4NO	1.21861	.12729	9.57347	
YES 00002	SNH4SO	4.43687	.40813	10.87117	
YES 00003	SOORG	4.13343	.82398	5.01641	
YES 17122	RIFANG	.09135	.05582	1.63661	
YES POW01	ENCAM2	1.78610	.20188	8.84721	

MEASURED CONCENTRATION FOR SIZE: PM10					
	29.3+-	2.9			

SOURCE CONTRIBUTION ESTIMATES - SITE: ROCV				DATE: 19/07/06	CMB8
SAMPLE DURATION	24	START HOUR	0	SIZE:	PM10
R SQUARE	.8	PERCENT MASS	85		
SOURCE					
EST CODE	NAME	SCE (UG/M3)	STD ERR	TSTAT	

YES 32203	TRGHDS	1.17803	.61944	1.90175	
YES 42317	CLCOMB	4.37229	2.03140	2.15235	
YES 42323	CVBURN	4.17880	1.39529	2.99494	
YES 43101	AEMARI	1.60621	.27461	5.84907	
YES 00001	SNH4NO	1.75190	.18576	9.43103	
YES 00002	SNH4SO	4.11285	.39313	10.46175	
YES 00003	SOORG	4.17200	1.03618	4.02635	
YES 17122	RIFANG	.24061	.05060	4.75555	
YES POW01	ENCAM2	1.60429	.19692	8.14675	

MEASURED CONCENTRATION FOR SIZE: PM10					
27.5+-		2.7			

SOURCE CONTRIBUTION ESTIMATES - SITE: ROCV				DATE: 20/07/06	CMB8
SAMPLE DURATION	24	START HOUR	0	SIZE:	PM10
R SQUARE	.9	PERCENT MASS	82		
SOURCE					
EST CODE	NAME	SCE (UG/M3)	STD ERR	TSTAT	

YES 32203	TRGHDS	3.21071	1.42890	2.24699	
YES 13502	TRNWHOIL	.81987	.84357	.97191	
YES 42317	CLCOMB	9.05163	3.62856	2.49455	
YES 42323	CVBURN	.98415	.83424	1.17969	
YES 00001	SNH4NO	.97427	.09979	9.76280	
YES 00002	SNH4SO	6.53667	.53700	12.17257	
YES 00003	SOORG	2.52264	2.10987	1.19563	
YES 17122	RIFANG	.54652	.04507	12.12538	
YES POW01	ENCAM2	.84443	.20088	4.20376	

MEASURED CONCENTRATION FOR SIZE: PM10					
31.3+-		3.1			

SOURCE CONTRIBUTION ESTIMATES - SITE: ROCV				DATE: 26/07/06	CMB8
SAMPLE DURATION	24	START HOUR	0	SIZE:	PM10
R SQUARE	.8	PERCENT MASS	86		
SOURCE					
EST CODE	NAME	SCE (UG/M3)	STD ERR	TSTAT	

YES 32203	TRGHDS	.86758	.64971	1.33534	
YES 13502	TRNWHOIL	.88236	.31614	2.79109	
YES 42317	CLCOMB	5.08008	2.83253	1.79348	
YES 42323	CVBURN	6.93369	2.08595	3.32399	
YES 00001	SNH4NO	.96273	.09920	9.70511	
YES 00002	SNH4SO	9.57609	.78481	12.20178	
YES 00003	SOORG	8.15925	1.29648	6.29337	
YES 17122	RIFANG	.07882	.07507	1.04994	
YES POW01	ENCAM2	3.44937	.33609	10.26339	

MEASURED CONCENTRATION FOR SIZE: PM10					
42.0+-		4.2			

SOURCE CONTRIBUTION ESTIMATES - SITE: QRTO					DATE: 11/05/06	CMB8
SAMPLE DURATION	24	START HOUR	0	SIZE:	PM10	
R SQUARE	.8	PERCENT MASS	97			
SOURCE						
EST CODE	NAME	SCE (UG/M3)	STD ERR	TSTAT		

YES 33010	TRGLDS	6.20549	.64691	9.59251		
YES 22202	CTSDUS	6.68785	1.33205	5.02071		
YES 43101	AEMARI	.15478	.03777	4.09819		
YES 00001	SNH4NO	1.18151	.12365	9.55498		
YES 00002	SNH4SO	2.36162	.20723	11.39620		
YES POW01	ENCAM2	.23486	.05521	4.25387		

MEASURED CONCENTRATION FOR SIZE: PM10						
	17.4+-	1.7				

SOURCE CONTRIBUTION ESTIMATES - SITE: QRTO					DATE: 25/05/06	CMB8
SAMPLE DURATION	24	START HOUR	0	SIZE:	PM10	
R SQUARE	.8	PERCENT MASS	80			
SOURCE						
EST CODE	NAME	SCE (UG/M3)	STD ERR	TSTAT		

YES 32205	TRGLDS	2.80280	2.47018	1.13466		
YES 32203	TRGHDS	1.41675	.63965	2.21490		
YES 11506	TRNPOW	.31809	.18481	1.72117		
YES 43101	AEMARI	1.56035	.17724	8.80373		
YES 00001	SNH4NO	5.81649	.58171	9.99893		
YES 00002	SNH4SO	6.13697	.70268	8.73370		
YES 00003	SOORG	1.71364	1.03358	1.65796		
YES POW01	ENCAM2	1.13576	.22715	5.00008		

MEASURED CONCENTRATION FOR SIZE: PM10						
	26.1+-	2.6				

SOURCE CONTRIBUTION ESTIMATES - SITE: QRTO					DATE: 26/05/06	CMB8
SAMPLE DURATION	24	START HOUR	0	SIZE:	PM10	
R SQUARE	.8	PERCENT MASS	94			
SOURCE						
EST CODE	NAME	SCE (UG/M3)	STD ERR	TSTAT		

YES 32205	TRGLDS	3.58677	2.60057	1.37923		
YES 32203	TRGHDS	1.05739	.66667	1.58607		
YES 11508	TRNPOW	5.63151	1.29542	4.34725		
YES 43101	AEMARI	.10666	.12570	.84852		
YES 00001	SNH4NO	3.78869	.37908	9.99435		
YES 00002	SNH4SO	8.99584	1.69598	5.30421		
YES 00003	SOORG	3.62068	.96472	3.75311		
YES POW01	ENCAM2	2.78583	.54898	5.07454		

MEASURED CONCENTRATION FOR SIZE: PM10						
	31.6+-	3.2				

SOURCE CONTRIBUTION ESTIMATES - SITE: QRTO					DATE: 20/06/06	CMB8
SAMPLE DURATION	24	START HOUR	0	SIZE:	PM10	
R SQUARE	.9	PERCENT MASS	83			
SOURCE						
EST CODE	NAME	SCE (UG/M3)	STD ERR	TSTAT		
-----	-----	-----	-----	-----		
YES 32205	TRGLDS	15.38531	1.56288	9.84417		
YES 32203	TRGHDS	3.63579	1.47637	2.46265		
YES 13502	TRNWHOIL	1.40626	.31858	4.41410		
YES 43101	AEMARI	.14314	.10262	1.39483		
YES 00001	SNH4NO	2.57355	.25737	9.99949		
YES 00002	SNH4SO	8.42698	.84518	9.97067		
-----	-----	-----	-----	-----		
MEASURED CONCENTRATION FOR SIZE: PM10						
	38.2+-		3.8			

SOURCE CONTRIBUTION ESTIMATES - SITE: QRTO					DATE: 21/06/06	CMB8
SAMPLE DURATION	24	START HOUR	0	SIZE:	PM10	
R SQUARE	1.	PERCENT MASS	81			
SOURCE						
EST CODE	NAME	SCE (UG/M3)	STD ERR	TSTAT		
-----	-----	-----	-----	-----		
YES 32205	TRGLDS	14.52696	5.06629	2.86737		
YES 32203	TRGHDS	3.95184	1.65680	2.38522		
YES 43101	AEMARI	.17429	.10865	1.60408		
YES 00001	SNH4NO	1.95980	.19592	10.00299		
YES 00002	SNH4SO	11.21620	1.12720	9.95048		
YES 00003	SOORG	4.90504	2.19149	2.23822		
YES POW01	ENCAM2	.10834	.23313	.46470		
-----	-----	-----	-----	-----		
MEASURED CONCENTRATION FOR SIZE: PM10						
	45.3+-		4.5			

SOURCE CONTRIBUTION ESTIMATES - SITE: QRTO					DATE: 05/07/06	CMB8
SAMPLE DURATION	24	START HOUR	0	SIZE:	PM10	
R SQUARE	.9	PERCENT MASS	81			
SOURCE						
EST CODE	NAME	SCE (UG/M3)	STD ERR	TSTAT		
-----	-----	-----	-----	-----		
YES 32205	TRGLDS	3.49298	3.31884	1.05247		
YES 32203	TRGHDS	2.06221	.87409	2.35925		
YES 43101	AEMARI	.19879	.10091	1.96999		
YES 00001	SNH4NO	.66339	.06632	10.00348		
YES 00002	SNH4SO	9.68337	.97291	9.95305		
YES 00003	SOORG	3.52252	1.38741	2.53892		
YES POW01	ENCAM2	.04822	.14764	.32661		
-----	-----	-----	-----	-----		
MEASURED CONCENTRATION FOR SIZE: PM10						
	24.3+-		2.4			

SOURCE CONTRIBUTION ESTIMATES - SITE: QRTO				DATE: 06/07/06	CMB8
SAMPLE DURATION	24	START HOUR	0	SIZE:	PM10
R SQUARE	.9	PERCENT MASS	83		
SOURCE					
EST CODE	NAME	SCE (UG/M3)	STD ERR	TSTAT	

YES 32205	TRGLDS	2.15607	2.19142	.98387	
YES 32203	TRGHDS	1.05493	.50669	2.08201	
YES 11508	TRNPOW	.07231	.09628	.75108	
YES 43101	AEMARI	.11792	.12476	.94515	
YES 00001	SNH4NO	1.13044	.11317	9.98926	
YES 00002	SNH4SO	9.74815	1.01947	9.56194	
YES 00003	SOORG	3.28178	.83514	3.92963	
YES POW01	ENCAM2	1.93387	.30892	6.26015	

MEASURED CONCENTRATION FOR SIZE: PM10					
	23.6+-	2.4			

SOURCE CONTRIBUTION ESTIMATES - SITE: AMLA				DATE: 20/06/06	CMB8
SAMPLE DURATION	24	START HOUR	0	SIZE:	PM10
R SQUARE	.9	PERCENT MASS	94		
SOURCE					
EST CODE	NAME	SCE (UG/M3)	STD ERR	TSTAT	

YES 32203	TRGHDS	.85525	.51304	1.66702	
YES 13502	TRNWHOIL	.93181	.13179	7.07036	
YES 42324	CVBURN	4.11943	1.17120	3.51729	
YES 41401	CTMIX	5.61060	.87052	6.44511	
YES 43101	AEMARI	5.25096	.48747	10.77182	
YES 00001	SNH4NO	3.34460	.33610	9.95112	
YES 00002	SNH4SO	8.99405	1.03743	8.66953	
YES 00003	SOORG	3.33041	.38059	8.75065	
YES POW04	ENGRP6	2.52732	.37514	6.73696	

MEASURED CONCENTRATION FOR SIZE: PM10					
	37.3+-	3.7			

SOURCE CONTRIBUTION ESTIMATES - SITE: AMLA				DATE: 21/06/06	CMB8
SAMPLE DURATION	24	START HOUR	0	SIZE:	PM10
R SQUARE	.9	PERCENT MASS	99		
SOURCE					
EST CODE	NAME	SCE (UG/M3)	STD ERR	TSTAT	

YES 32203	TRGHDS	1.75447	.97307	1.80302	
YES 13502	TRNWHOIL	5.11105	.47590	10.73978	
YES 42324	CVBURN	6.44584	1.79838	3.58424	
YES 41401	CTMIX	5.52237	1.12664	4.90165	
YES 43101	AEMARI	3.90363	.39395	9.90900	
YES 00001	SNH4NO	2.27169	.23041	9.85925	
YES 00002	SNH4SO	11.91151	1.35332	8.80170	
YES 00003	SOORG	7.51661	.81440	9.22960	
YES POW04	ENGRP6	5.98903	.53546	11.18492	

MEASURED CONCENTRATION FOR SIZE: PM10					
	51.0+-	5.1			

SOURCE CONTRIBUTION ESTIMATES - SITE: AMLA					DATE: 05/07/06	CMB8
SAMPLE DURATION	24	START HOUR	0	SIZE:	PM10	
R SQUARE	.9	PERCENT MASS	94			
SOURCE						
EST CODE	NAME	SCE (UG/M3)	STD ERR	TSTAT		

YES 32203	TRGHDS	1.70194	.78892	2.15731		
YES 13502	TRNWHOIL	3.40785	.32096	10.61759		
YES 42324	CVBURN	3.02508	.79613	3.79971		
YES 41401	CTMIX	1.90121	.58733	3.23705		
YES 43101	AEMARI	.63003	.21862	2.88192		
YES 00001	SNH4NO	1.55138	.15652	9.91174		
YES 00002	SNH4SO	12.52749	1.30198	9.62186		
YES 00003	SOORG	5.21104	.54842	9.50187		
YES POW04	ENGRP6	2.40857	.27906	8.63110		

MEASURED CONCENTRATION FOR SIZE: PM10						
	34.6+-	3.5				

SOURCE CONTRIBUTION ESTIMATES - SITE: AMLA					DATE: 06/07/06	CMB8
SAMPLE DURATION	24	START HOUR	0	SIZE:	PM10	
R SQUARE	.8	PERCENT MASS	86			
SOURCE						
EST CODE	NAME	SCE (UG/M3)	STD ERR	TSTAT		

YES 32203	TRGHDS	1.75217	.79112	2.21478		
YES 13502	TRNWHOIL	1.39207	.20556	6.77221		
YES 42324	CVBURN	3.10934	.72476	4.29015		
YES 41401	CTMIX	1.13773	.44218	2.57297		
YES 00001	SNH4NO	2.41213	.24226	9.95700		
YES 00002	SNH4SO	13.00786	1.32420	9.82316		
YES 00003	SOORG	4.91386	.50622	9.70704		
YES POW03	ENGRP6	.77178	.22585	3.41729		

MEASURED CONCENTRATION FOR SIZE: PM10						
	33.3+-	3.3				

SOURCE CONTRIBUTION ESTIMATES - SITE: AMLA					DATE: 19/07/06	CMB8
SAMPLE DURATION	24	START HOUR	0	SIZE:	PM10	
R SQUARE	.8	PERCENT MASS	81			
SOURCE						
EST CODE	NAME	SCE (UG/M3)	STD ERR	TSTAT		

YES 32203	TRGHDS	1.48991	.66348	2.24562		
YES 13502	TRNWHOIL	.04525	.14091	.32111		
YES 41401	CTMIX	2.45369	.52947	4.63425		
YES 43101	AEMARI	.29070	.16076	1.80826		
YES 00001	SNH4NO	1.64648	.16500	9.97851		
YES 00002	SNH4SO	10.30730	1.06194	9.70612		
YES 00003	SOORG	4.20751	.43787	9.60895		
YES POW02	ENCAM2	1.24808	.38651	3.22908		

MEASURED CONCENTRATION FOR SIZE: PM10						
	26.8+-	2.7				

SOURCE CONTRIBUTION ESTIMATES - SITE: AMLA					DATE: 20/07/06	CMB8
SAMPLE DURATION	24	START HOUR	0	SIZE:	PM10	
R SQUARE	.9	PERCENT MASS	80			
SOURCE						
EST CODE	NAME	SCE (UG/M3)	STD ERR	TSTAT		

YES 32203	TRGHDS	1.88001	.85280	2.20452		
YES 13502	TRNWHOIL	.62789	.20256	3.09983		
YES 41401	CTMIX	1.85652	.42039	4.41615		
YES 00001	SNH4NO	1.43030	.14317	9.99029		
YES 00002	SNH4SO	15.48927	1.59858	9.68941		
YES 00003	SOORG	5.33871	.57828	9.23212		
YES POW01	ENCAM2	2.73922	.26449	10.35679		

MEASURED CONCENTRATION FOR SIZE: PM10						
	36.5+-	3.7				

SOURCE CONTRIBUTION ESTIMATES - SITE: AMLA					DATE: 26/07/06	CMB8
SAMPLE DURATION	24	START HOUR	0	SIZE:	PM10	
R SQUARE	.8	PERCENT MASS	95			
SOURCE						
EST CODE	NAME	SCE (UG/M3)	STD ERR	TSTAT		

YES 41220	TRGPLV	3.03057	.50649	5.98350		
YES 13502	TRNWHOIL	1.09991	.11945	9.20786		
YES 42320	CVBURN	18.83086	8.08884	2.32800		
YES 41401	CTMIX	.43815	.32356	1.35416		
YES 43101	AEMARI	1.55324	.22940	6.77100		
YES 00001	SNH4NO	.37813	.29840	1.26720		
YES 00002	SNH4SO	13.66386	1.10488	12.36686		
YES 00003	SOORG	1.55482	2.59075	.60014		
YES POW03	ENGRP6	.22770	.29997	.75906		

MEASURED CONCENTRATION FOR SIZE: PM10						
	43.1+-	4.3				

PM2.5

SOURCE CONTRIBUTION ESTIMATES - SITE: MOLT					DATE: 11/05/06	CMB8
SAMPLE DURATION	24	START HOUR	0	SIZE:	FINE	
R SQUARE	.8	PERCENT MASS	80			
SOURCE						
EST CODE	NAME	SCE (UG/M3)	STD ERR	TSTAT		

YES 31107	TRGLHBF	6.79847	.66294	10.25497		
YES 32208	TRGHDSF	.96000	.26706	3.59471		
YES 34006	TRGFREF	.15152	.15152	1.00000		
YES 12710	TRNDUFUE	2.64521	1.22940	2.15164		
YES 00001	SNH4NOF	.47777	.06944	6.88006		
YES 00002	SNH4SOF	.19818	.90943	.21792		
YES POW01	ENCAM2F	.59568	.21983	2.70974		

MEASURED CONCENTRATION FOR SIZE: FINE						
	14.8+-	1.5				

SOURCE CONTRIBUTION ESTIMATES - SITE: MOLT					DATE: 25/05/06	CMB8
SAMPLE DURATION	24	START HOUR	0	SIZE:	FINE	
R SQUARE	.8	PERCENT MASS	88			
SOURCE						
EST CODE	NAME	SCE (UG/M3)	STD ERR	TSTAT		

YES 31107	TRGLHBF	4.87480	1.18770	4.10440		
YES 32208	TRGHDSF	4.56756	1.38483	3.29827		
YES 34006	TRGFREF	1.34848	.13636	9.88889		
YES 13502	TRNHYOIL	10.83197	1.95230	5.54830		
YES 00001	SNH4NOF	1.14306	.13634	8.38408		
YES 00002	SNH4SOF	3.07901	.28077	10.96618		
YES 00003	SOORGF	2.13249	.58018	3.67558		
YES POW01	ENCAM2F	.17667	.16061	1.09997		

MEASURED CONCENTRATION FOR SIZE: FINE						
	32.1+-	2.1				

SOURCE CONTRIBUTION ESTIMATES - SITE: MOLT					DATE: 26/05/06	CMB8
SAMPLE DURATION	24	START HOUR	0	SIZE:	FINE	
R SQUARE	.9	PERCENT MASS	82			
SOURCE						
EST CODE	NAME	SCE (UG/M3)	STD ERR	TSTAT		

YES 32208	TRGHDSF	9.84262	.74552	13.20237		
YES 34006	TRGFREF	.13784	.01101	12.52470		
YES 13502	TRNHYOIL	1.35451	.17828	7.59781		
YES 00001	SNH4NOF	2.20326	.23515	9.36967		
YES 00002	SNH4SOF	6.49547	.57747	11.24817		
YES 00003	SOORGF	5.62761	.60990	9.22705		
YES POW01	ENCAM2F	.92399	.16598	5.56699		

MEASURED CONCENTRATION FOR SIZE: FINE						
	32.5+-	3.3				

SOURCE CONTRIBUTION ESTIMATES - SITE: MOLT				DATE: 20/06/06	CMB8
SAMPLE DURATION	24	START HOUR	0	SIZE:	FINE
R SQUARE	.8	PERCENT MASS	82		
SOURCE					
EST CODE	NAME	SCE (UG/M3)	STD ERR	TSTAT	

YES 31107	TRGLHBF	3.39188	.32335	10.48979	
YES 32203	TRGHDSF	5.78478	1.06556	5.42886	
YES 41141	TRGPLVF	.09126	.03390	2.69188	
YES 34006	TRGFREF	.39942	.02758	14.48384	
YES 13502	TRNHYOIL	.51391	.12481	4.11740	
YES 43101	AEMARIF	4.34310	.50455	8.60781	
YES 00001	SNH4NOF	.47904	.05841	8.20140	
YES 00002	SNH4SOF	3.88061	.34677	11.19076	
YES 00003	SOORGF	4.62249	.63767	7.24903	
YES POW01	ENCAM2F	1.68076	.27496	6.11283	

MEASURED CONCENTRATION FOR SIZE: FINE					
	30.8+-	3.1			

SOURCE CONTRIBUTION ESTIMATES - SITE: MOLT				DATE: 21/06/06	CMB8
SAMPLE DURATION	24	START HOUR	0	SIZE:	FINE
R SQUARE	.8	PERCENT MASS	116		
SOURCE					
EST CODE	NAME	SCE (UG/M3)	STD ERR	TSTAT	

YES 32104	TRGLDSF	7.89854	.80109	9.85970	
YES 34006	TRGFREF	.15628	.02014	7.75781	
YES 34008	TRGPNEF	20.00907	2.24453	8.91460	
YES 11508	TRNPOW	.10244	.03604	2.84273	
YES 00001	SNH4NOF	.83806	.09083	9.22638	
YES 00002	SNH4SOF	4.74316	.41711	11.37138	
YES 00003	SOORGF	11.07329	1.24413	8.90041	
YES POW01	ENCAM2F	1.26945	.13843	9.17058	

MEASURED CONCENTRATION FOR SIZE: FINE					
	39.8+-	4.0			

SOURCE CONTRIBUTION ESTIMATES - SITE: MOLT				DATE: 05/07/06	CMB8
SAMPLE DURATION	24	START HOUR	0	SIZE:	FINE
R SQUARE	.8	PERCENT MASS	117		
SOURCE					
EST CODE	NAME	SCE (UG/M3)	STD ERR	TSTAT	

YES 32104	TRGLDSF	5.90066	.58824	10.03107	
YES 34006	TRGFREF	.14514	.02125	6.83147	
YES 34008	TRGPNEF	9.10588	1.63266	5.57734	
YES 13502	TRNHYOIL	.40824	.50601	.80677	
YES 00001	SNH4NOF	.50996	.05390	9.46187	
YES 00002	SNH4SOF	6.35548	.50055	12.69709	
YES 00003	SOORGF	6.58071	.79180	8.31104	
YES POW01	ENCAM2F	.52259	.06816	7.66684	

MEASURED CONCENTRATION FOR SIZE: FINE					
	25.3+-	2.5			

SOURCE CONTRIBUTION ESTIMATES - SITE: MOLT					DATE: 06/07/06	CMB8
SAMPLE DURATION	24	START HOUR	0	SIZE:	FINE	
R SQUARE	.8	PERCENT MASS	89			
SOURCE						
EST CODE	NAME	SCE (UG/M3)	STD ERR	TSTAT		

YES 32104	TRGLDSF	5.59768	.72212	7.75171		
YES 34006	TRGFREF	.03805	.02604	1.46109		
YES 13501	TRNREOIL	7.74455	1.07796	7.18444		
YES 17120	RIINCIF	.03635	.00361	10.07136		
YES 43101	AEMARIF	.10437	.10492	.99477		
YES 00001	SNH4NOF	.68504	.08771	7.80996		
YES 00002	SNH4SOF	4.04476	.43462	9.30652		
YES 00003	SOORGF	4.84820	.57341	8.45501		

MEASURED CONCENTRATION FOR SIZE: FINE						
	26.1+-	2.6				

SOURCE CONTRIBUTION ESTIMATES - SITE: MOLT					DATE: 19/07/06	CMB8
SAMPLE DURATION	24	START HOUR	0	SIZE:	FINE	
R SQUARE	.8	PERCENT MASS	94			
SOURCE						
EST CODE	NAME	SCE (UG/M3)	STD ERR	TSTAT		

YES 32206	TRGHDSF	8.05044	.57711	13.94948		
YES 13501	TRNREOIL	2.93927	.47706	6.16128		
YES 17120	RIINCIF	.06719	.01168	5.75280		
YES 43101	AEMARIF	.12672	.10010	1.26590		
YES 00001	SNH4NOF	.50196	.05589	8.98155		
YES 00002	SNH4SOF	4.40248	.40470	10.87827		
YES 00003	SOORGF	2.95150	.43601	6.76940		

MEASURED CONCENTRATION FOR SIZE: FINE						
	20.3+-	2.0				

SOURCE CONTRIBUTION ESTIMATES - SITE: MOLT					DATE: 20/07/06	CMB8
SAMPLE DURATION	24	START HOUR	0	SIZE:	FINE	
R SQUARE	.8	PERCENT MASS	89			
SOURCE						
EST CODE	NAME	SCE (UG/M3)	STD ERR	TSTAT		

YES 32206	TRGHDSF	2.20909	.19565	11.29104		
YES 13501	TRNREOIL	8.21694	1.47216	5.58156		
YES 17120	RIINCIF	.41986	.04101	10.23878		
YES 43101	AEMARIF	.01160	.10687	.10852		
YES 00001	SNH4NOF	.51998	.07700	6.75326		
YES 00002	SNH4SOF	5.69545	.57967	9.82529		
YES 00003	SOORGF	6.28768	.61410	10.23878		
YES POW01	ENCAM2F	.51950	.11518	4.51017		

MEASURED CONCENTRATION FOR SIZE: FINE						
	27.0+-	2.7				

SOURCE CONTRIBUTION ESTIMATES - SITE: MOLT					DATE: 26/07/06	CMB8
SAMPLE DURATION	24	START HOUR	0	SIZE:	FINE	
R SQUARE	1.	PERCENT MASS	86			
SOURCE						
EST CODE	NAME	SCE (UG/M3)	STD ERR	TSTAT		

YES 32203	TRGHDSF	8.39465	1.12783	7.44320		
YES 34006	TRGFREF	.22988	.02317	9.92012		
YES 11506	TRNPOW	.09674	.00629	15.39051		
YES 00001	SNH4NOF	.55806	.05605	9.95699		
YES 00002	SNH4SOF	14.58793	1.06234	13.73183		
YES 00003	SOORGF	12.76291	1.27770	9.98897		
YES POW01	ENCAM2F	.00095	.00258	.36946		

MEASURED CONCENTRATION FOR SIZE: FINE						
	42.6+-	4.3				

SOURCE CONTRIBUTION ESTIMATES - SITE: PORT					DATE: 11/05/06	CMB8
SAMPLE DURATION	24	START HOUR	0	SIZE:	FINE	
R SQUARE	.8	PERCENT MASS	96			
SOURCE						
EST CODE	NAME	SCE (UG/M3)	STD ERR	TSTAT		

YES 32206	TRGHDSF	1.17508	.12267	9.57888		
YES 13501	TRNREOIL	.12966	.08659	1.49746		
YES 43305	CTCRUSF	.32556	.10886	2.99052		
YES 43101	AEMARIF	.15981	.09893	1.61543		
YES 00001	SNH4NOF	.25314	.02567	9.86174		
YES 00002	SNH4SOF	3.04124	.23723	12.81959		
YES 00003	SOORGF	1.78822	.15104	11.83943		

MEASURED CONCENTRATION FOR SIZE: FINE						
	7.2+-	.7				

SOURCE CONTRIBUTION ESTIMATES - SITE: PORT					DATE: 25/05/06	CMB8
SAMPLE DURATION	24	START HOUR	0	SIZE:	FINE	
R SQUARE	.8	PERCENT MASS	94			
SOURCE						
EST CODE	NAME	SCE (UG/M3)	STD ERR	TSTAT		

YES 32206	TRGHDSF	.95363	.31766	3.00209		
YES 13501	TRNREOIL	5.98065	1.01396	5.89833		
YES 43101	AEMARIF	.09545	.10305	.92625		
YES 00001	SNH4NOF	.45394	.06159	7.36983		
YES 00002	SNH4SOF	2.22955	.24962	8.93176		
YES 00003	SOORGF	2.07624	.21602	9.61148		

MEASURED CONCENTRATION FOR SIZE: FINE						
	12.5+-	1.3				

SOURCE CONTRIBUTION ESTIMATES - SITE: PORT					DATE: 26/05/06	CMB8
SAMPLE DURATION	24	START HOUR	0	SIZE:	FINE	
R SQUARE	.8	PERCENT MASS	84			
SOURCE						
EST CODE	NAME	SCE (UG/M3)	STD ERR	TSTAT		

YES 32203	TRGHDSF	1.54542	.37584	4.11186		
YES 12710	TRNDUFUE	1.61792	.55172	2.93251		
YES 43306	CTCRUSF	.05531	.25873	.21379		
YES 43101	AEMARIF	.18399	.10051	1.83063		
YES 00001	SNH4NOF	.69316	.06989	9.91788		
YES 00002	SNH4SOF	12.99739	1.42028	9.15129		
YES 00003	SOORGF	3.86813	.31934	12.11286		
YES POW03	ENGRP6F	.00392	.02065	.18976		

MEASURED CONCENTRATION FOR SIZE: FINE						
	24.9+-	2.5				

SOURCE CONTRIBUTION ESTIMATES - SITE: PORT					DATE: 20/06/06	CMB8
SAMPLE DURATION	24	START HOUR	0	SIZE:	FINE	
R SQUARE	.8	PERCENT MASS	118			
SOURCE						
EST CODE	NAME	SCE (UG/M3)	STD ERR	TSTAT		

YES 31107	TRGLHBF	.20854	.01784	11.68633		
YES 12710	TRNDUFUE	7.19362	.60001	11.98909		
YES 43304	CTCRUSF	.63824	.10074	6.33565		
YES 43101	AEMARIF	.04540	.09939	.45675		
YES 00001	SNH4NOF	.39991	.04201	9.51877		
YES 00002	SNH4SOF	11.86567	.60417	19.63976		
YES 00003	SOORGF	3.82438	.29865	12.80558		

MEASURED CONCENTRATION FOR SIZE: FINE						
	20.5+-	2.0				

SOURCE CONTRIBUTION ESTIMATES - SITE: PORT					DATE: 21/06/06	CMB8
SAMPLE DURATION	24	START HOUR	0	SIZE:	FINE	
R SQUARE	1.	PERCENT MASS	85			
SOURCE						
EST CODE	NAME	SCE (UG/M3)	STD ERR	TSTAT		

YES 32206	TRGHDSF	1.04058	.09923	10.48628		
YES 13502	TRNHYOIL	1.82292	.02315	78.76070		
YES 42320	CVFLDBF	.74504	.18480	4.03169		
YES 42104	CTPOLVF	2.89913	1.20009	2.41577		
YES 43101	AEMARIF	2.60753	.31355	8.31602		
YES 00001	SNH4NOF	.23734	.03883	6.11294		
YES 00002	SNH4SOF	6.76793	.52950	12.78183		
YES 00003	SOORGF	5.11742	.59075	8.66259		
YES POW03	ENGRP6F	.51246	.06250	8.19986		

MEASURED CONCENTRATION FOR SIZE: FINE						
	25.6+-	2.6				

SOURCE CONTRIBUTION ESTIMATES - SITE: ROCV					DATE: 25/05/06	CMB8
SAMPLE DURATION	24	START HOUR	0	SIZE:	FINE	
R SQUARE	.8	PERCENT MASS	92			
SOURCE						
EST CODE	NAME	SCE (UG/M3)	STD ERR	TSTAT		

YES 32206	TRGHDSF	.55528	.33155	1.67479		
YES 11506	TRNPOW	1.00069	.08992	11.12924		
YES 15101	RIBOILF	2.16588	.14014	15.45512		
YES 42106	CLRESDF	5.60677	.88782	6.31521		
YES 43306	CTCRUSF	2.13128	.25718	8.28698		
YES 00001	SNH4NOF	.82749	.08666	9.54817		
YES 00002	SNH4SOF	2.47881	.24067	10.29965		

MEASURED CONCENTRATION FOR SIZE: FINE						
	16.0+-	1.6				

SOURCE CONTRIBUTION ESTIMATES - SITE: ROCV					DATE: 26/05/06	CMB8
SAMPLE DURATION	24	START HOUR	0	SIZE:	FINE	
R SQUARE	.9	PERCENT MASS	102			
SOURCE						
EST CODE	NAME	SCE (UG/M3)	STD ERR	TSTAT		

YES 32203	TRGHDSF	2.08456	.28586	7.29216		
YES 11506	TRNPOW	.33534	.25787	1.30045		
YES 42304	CVFLDBF	.26476	.58569	.45205		
YES 43306	CTCRUSF	.07909	.28770	.27490		
YES 43101	AEMARIF	.12206	.11035	1.10609		
YES 00001	SNH4NOF	.54416	.05487	9.91814		
YES 00002	SNH4SOF	13.60071	1.40421	9.68564		
YES 00003	SOORGF	4.40397	.39678	11.09918		
YES POW01	ENCAM2F	.03693	.24691	.14958		

MEASURED CONCENTRATION FOR SIZE: FINE						
	21.0+-	2.1				

SOURCE CONTRIBUTION ESTIMATES - SITE: ROCV					DATE: 20/06/06	CMB8
SAMPLE DURATION	24	START HOUR	0	SIZE:	FINE	
R SQUARE	.8	PERCENT MASS	87			
SOURCE						
EST CODE	NAME	SCE (UG/M3)	STD ERR	TSTAT		

YES 32203	TRGHDSF	1.76607	.26258	6.72593		
YES 42320	CVFLDBF	.76054	.07311	10.40232		
YES 43306	CTCRUSF	5.02125	2.03673	2.46535		
YES 00001	SNH4NOF	.74053	.07663	9.66313		
YES 00002	SNH4SOF	4.07280	.34478	11.81277		
YES 00003	SOORGF	4.78547	.37764	12.67206		
YES POW02	ENCAM2F	.64919	.23652	2.74472		

MEASURED CONCENTRATION FOR SIZE: FINE						
	20.6+-	2.1				

SOURCE CONTRIBUTION ESTIMATES - SITE: ROCV					DATE: 21/06/06	CMB8
SAMPLE DURATION	24	START HOUR	0	SIZE:	FINE	
R SQUARE	.8	PERCENT MASS	90			
SOURCE						
EST CODE	NAME	SCE (UG/M3)	STD ERR	TSTAT		

YES 32203	TRGHDSF	1.40225	1.78075	.78745		
YES 12710	TRNDUFUE	1.02053	3.21482	.31745		
YES 42320	CVFLDBF	1.61980	.19440	8.33244		
YES 43306	CTCRUSF	6.76018	1.20504	5.60990		
YES 00001	SNH4NOF	.30954	.03436	9.00931		
YES 00002	SNH4SOF	4.80093	2.40542	1.99588		
YES 00003	SOORGF	5.89375	.53529	11.01040		
YES POW02	ENCAM2F	.66554	.12902	5.15835		

MEASURED CONCENTRATION FOR SIZE: FINE						
	25.1+-	2.5				

SOURCE CONTRIBUTION ESTIMATES - SITE: ROCV					DATE: 05/07/06	CMB8
SAMPLE DURATION	24	START HOUR	0	SIZE:	FINE	
R SQUARE	.8	PERCENT MASS	93			
SOURCE						
EST CODE	NAME	SCE (UG/M3)	STD ERR	TSTAT		

YES 32203	TRGHDSF	1.62985	.23243	7.01235		
YES 42320	CVFLDBF	1.06062	.19597	5.41211		
YES 43306	CTCRUSF	3.02384	1.26690	2.38681		
YES 43101	AEMARIF	.68558	.10410	6.58560		
YES 00001	SNH4NOF	.21344	.02203	9.68898		
YES 00002	SNH4SOF	5.76149	.43782	13.15937		
YES 00003	SOORGF	4.13876	.32882	12.58663		
YES POW03	ENGRP6F	.03592	.08928	.40239		

MEASURED CONCENTRATION FOR SIZE: FINE						
	17.9+-	1.8				

SOURCE CONTRIBUTION ESTIMATES - SITE: ROCV					DATE: 06/07/06	CMB8
SAMPLE DURATION	24	START HOUR	0	SIZE:	FINE	
R SQUARE	1.	PERCENT MASS	97			
SOURCE						
EST CODE	NAME	SCE (UG/M3)	STD ERR	TSTAT		

YES 32203	TRGHDSF	1.61639	.22563	7.16376		
YES 90001	RISLDWF	.12442	.16340	.76146		
YES 42320	CVFLDBF	.03295	.30779	.10707		
YES 43101	AEMARIF	.11424	.11430	.99949		
YES 00001	SNH4NOF	.24905	.02536	9.82080		
YES 00002	SNH4SOF	10.62626	1.10885	9.58316		
YES 00003	SOORGF	4.02539	.31711	12.69389		
YES POW01	ENCAM2F	.39745	.32061	1.23967		

MEASURED CONCENTRATION FOR SIZE: FINE						
	17.7+-	1.8				

SOURCE CONTRIBUTION ESTIMATES - SITE: ROCV					DATE: 19/07/06	CMB8
SAMPLE DURATION	24	START HOUR	0	SIZE:	FINE	
R SQUARE	1.	PERCENT MASS	104			
SOURCE						
EST CODE	NAME	SCE (UG/M3)	STD ERR	TSTAT		

YES 32206	TRGHDSF	1.32551	.66670	1.98818		
YES 12710	TRNDUFUE	.11634	.40024	.29067		
YES 42320	CVFLDBF	.24905	.17721	1.40538		
YES 42106	CLRESDF	1.46733	3.30518	.44395		
YES 43101	AEMARIF	.13611	.10035	1.35630		
YES 00001	SNH4NOF	.14154	.01512	9.36366		
YES 00002	SNH4SOF	9.64518	1.00385	9.60816		
YES 00003	SOORGF	4.88340	.48873	9.99206		
YES POW01	ENCAM2F	.05366	.07652	.70121		

MEASURED CONCENTRATION FOR SIZE: FINE						
	17.4+-	1.7				

SOURCE CONTRIBUTION ESTIMATES - SITE: ROCV					DATE: 20/07/06	CMB8
SAMPLE DURATION	24	START HOUR	0	SIZE:	FINE	
R SQUARE	.8	PERCENT MASS	84			
SOURCE						
EST CODE	NAME	SCE (UG/M3)	STD ERR	TSTAT		

YES 31108	TRGLBZF	.24768	.02660	9.30962		
YES 42320	CVFLDBF	1.53454	.19749	7.77002		
YES 42106	CLRESDF	5.30390	1.17465	4.51529		
YES 43101	AEMARIF	.62684	.09699	6.46317		
YES 00001	SNH4NOF	.11765	.01430	8.22987		
YES 00002	SNH4SOF	6.30543	.49385	12.76781		
YES 00003	SOORGF	3.58202	.50584	7.08133		
YES POW01	ENCAM2F	1.03799	.11754	8.83060		

MEASURED CONCENTRATION FOR SIZE: FINE						
	22.4+-	2.2				

SOURCE CONTRIBUTION ESTIMATES - SITE: ROCV					DATE: 26/07/06	CMB8
SAMPLE DURATION	24	START HOUR	0	SIZE:	FINE	
R SQUARE	.80	PERCENT MASS	81.4			
SOURCE						
EST CODE	NAME	SCE (UG/M3)	STD ERR	TSTAT		

YES 31107	TRGLHBF	1.70079	.27975	6.07971		
YES 42304	CVFLDBF	2.50860	1.56692	1.60098		
YES 42106	CLRESDF	2.06340	1.34770	1.53105		
YES 43101	AEMARIF	1.16141	.19341	6.00497		
YES 00001	SNH4NOF	.51029	.06770	7.53807		
YES 00002	SNH4SOF	12.77245	.98967	12.90573		
YES 00003	SOORGF	4.87669	.65021	7.50016		
YES POW01	ENCAM2F	2.61238	.19252	13.56934		

MEASURED CONCENTRATION FOR SIZE: FINE						
	34.6+-	3.5				

SOURCE CONTRIBUTION ESTIMATES - SITE: QRTO				DATE: 11/05/06	CMB8
SAMPLE DURATION	24	START HOUR	0	SIZE:	FINE
R SQUARE	.8	PERCENT MASS	84		
SOURCE					
EST CODE	NAME	SCE (UG/M3)	STD ERR	TSTAT	

YES 31108	TRGLBZF	.01147	.03219	.35633	
YES 32208	TRGHDSF	1.17405	.13615	8.62301	
YES 41107	TRGPLVF	.11203	.28407	.39439	
YES 11506	TRNPOW	.84081	.17313	4.85655	
YES 43304	CTCRUSF	.02536	.24794	.10227	
YES 43101	AEMARIF	.00790	.10972	.07196	
YES 00001	SNH4NOF	.35951	.03692	9.73627	
YES 00002	SNH4SOF	2.02171	.17927	11.27763	
YES 00003	SOORGF	1.15474	.10978	10.51862	
YES POW04	ENGRP6F	.21996	.09572	2.29803	

MEASURED CONCENTRATION FOR SIZE: FINE					
7.0+-		.7			

SOURCE CONTRIBUTION ESTIMATES - SITE: QRTO				DATE: 25/05/06	CMB8
SAMPLE DURATION	24	START HOUR	0	SIZE:	FINE
R SQUARE	.8	PERCENT MASS	81		
SOURCE					
EST CODE	NAME	SCE (UG/M3)	STD ERR	TSTAT	

YES 32203	TRGHDSF	.55214	.18525	2.98055	
YES 12710	TRNDUFUE	.90014	.31439	2.86314	
YES 43304	CTCRUSF	.03110	.03289	.94556	
YES 43101	AEMARIF	.16306	.10099	1.61453	
YES 00001	SNH4NOF	.84648	.08501	9.95788	
YES 00002	SNH4SOF	6.02637	.67503	8.92753	
YES 00003	SOORGF	1.66540	.13603	12.24262	
YES POW03	ENGRP6F	.00485	.00523	.92798	

MEASURED CONCENTRATION FOR SIZE: FINE					
12.7+-		1.3			

SOURCE CONTRIBUTION ESTIMATES - SITE: QRTO				DATE: 26/05/06	CMB8
SAMPLE DURATION	24	START HOUR	0	SIZE:	FINE
R SQUARE	.9	PERCENT MASS	83		
SOURCE					
EST CODE	NAME	SCE (UG/M3)	STD ERR	TSTAT	

YES 32208	TRGHDSF	2.51270	.30838	8.14794	
YES 34007	TRGFREF	.66871	.09435	7.08768	
YES 13502	TRNHYOIL	2.33216	.24035	9.70302	
YES 43304	CTCRUSF	.73293	.20170	3.63375	
YES 00001	SNH4NOF	.39533	.04120	9.59540	
YES 00002	SNH4SOF	6.08544	.47797	12.73172	
YES 00003	SOORGF	3.30453	.28587	11.55970	
YES POW01	ENCAM2F	.02172	.04217	.51507	

MEASURED CONCENTRATION FOR SIZE: FINE					
19.3+-		1.9			

SOURCE CONTRIBUTION ESTIMATES - SITE: QRTO					DATE: 20/06/06	CMB8
SAMPLE DURATION	24	START HOUR	0	SIZE:	FINE	
R SQUARE	.8	PERCENT MASS	118			
SOURCE						
EST CODE	NAME	SCE (UG/M3)	STD ERR	TSTAT		

YES 32206	TRGHDSF	1.69149	.54152	3.12357		
YES 13501	TRNREOIL	12.01667	1.90190	6.31823		
YES 43101	AEMARIF	.11044	.11121	.99310		
YES 00001	SNH4NOF	.84620	.11819	7.15957		
YES 00002	SNH4SOF	3.03874	.36487	8.32824		
YES 00003	SOORGF	4.48179	.46121	9.71742		
YES POW01	ENCAM2F	.45079	.13680	3.29532		

MEASURED CONCENTRATION FOR SIZE: FINE						
	19.2+-		1.9			

SOURCE CONTRIBUTION ESTIMATES - SITE: QRTO					DATE: 21/06/06	CMB8
SAMPLE DURATION	24	START HOUR	0	SIZE:	FINE	
R SQUARE	1.	PERCENT MASS	93			
SOURCE						
EST CODE	NAME	SCE (UG/M3)	STD ERR	TSTAT		

YES 32203	TRGHDSF	2.08084	.46718	4.45403		
YES 12710	TRNDUFUE	1.32520	.69451	1.90811		
YES 43101	AEMARIF	.18000	.09958	1.80763		
YES 00001	SNH4NOF	1.10882	.11134	9.95905		
YES 00002	SNH4SOF	12.19465	1.34552	9.06312		
YES 00003	SOORGF	8.01013	.61110	13.10772		
YES POW04	ENGRP6F	.00452	.00431	1.04731		

MEASURED CONCENTRATION FOR SIZE: FINE						
	26.7+-		2.7			

SOURCE CONTRIBUTION ESTIMATES - SITE: QRTO					DATE: 05/07/06	CMB8
SAMPLE DURATION	24	START HOUR	0	SIZE:	FINE	
R SQUARE	.9	PERCENT MASS	84			
SOURCE						
EST CODE	NAME	SCE (UG/M3)	STD ERR	TSTAT		

YES 32208	TRGHDSF	2.24929	.24300	9.25653		
YES 11509	TRNPOW	.01937	.00847	2.28776		
YES 43304	CTCRUSF	.00665	.03248	.20466		
YES 00001	SNH4NOF	.39590	.04133	9.57909		
YES 00002	SNH4SOF	6.32526	.49022	12.90281		
YES 00003	SOORGF	3.27850	.27209	12.04940		
YES POW01	ENCAM2F	.58020	.11942	4.85871		

MEASURED CONCENTRATION FOR SIZE: FINE						
	15.3+-		1.5			

SOURCE CONTRIBUTION ESTIMATES - SITE: QRTO					DATE: 06/07/06	CMB8
SAMPLE DURATION	24	START HOUR	0	SIZE:	FINE	
R SQUARE	.8	PERCENT MASS	82			
SOURCE						
EST CODE	NAME	SCE (UG/M3)	STD ERR	TSTAT		

YES 32208	TRGHDSF	2.67675	.30660	8.73034		
YES 11509	TRNPOW	.01678	.00851	1.97127		
YES 43101	AEMARIF	.26749	.28219	.94793		
YES 00001	SNH4NOF	.37315	.04021	9.28025		
YES 00002	SNH4SOF	6.28596	.50054	12.55841		
YES 00003	SOORGF	3.55164	.30391	11.68645		
YES POW01	ENCAM2F	1.72942	.27590	6.26836		

MEASURED CONCENTRATION FOR SIZE: FINE						
	18.2+-	1.8				

SOURCE CONTRIBUTION ESTIMATES - SITE: QRTO					DATE: 19/07/06	CMB8
SAMPLE DURATION	24	START HOUR	0	SIZE:	FINE	
R SQUARE	.8	PERCENT MASS	86			
SOURCE						
EST CODE	NAME	SCE (UG/M3)	STD ERR	TSTAT		

YES 32208	TRGHDSF	2.26911	.24247	9.35837		
YES 13502	TRNHYOIL	.38616	.04406	8.76456		
YES 43101	AEMARIF	1.08186	.16364	6.61139		
YES 00001	SNH4NOF	.04618	.06572	.70262		
YES 00002	SNH4SOF	4.92176	.36540	13.46951		
YES 00003	SOORGF	3.29267	.27255	12.08110		
YES POW03	ENGRP6F	.10623	.06474	1.64092		

MEASURED CONCENTRATION FOR SIZE: FINE						
	14.1+-	1.4				

SOURCE CONTRIBUTION ESTIMATES - SITE: QRTO					DATE: 20/07/06	CMB8
SAMPLE DURATION	24	START HOUR	0	SIZE:	FINE	
R SQUARE	.8	PERCENT MASS	84			
SOURCE						
EST CODE	NAME	SCE (UG/M3)	STD ERR	TSTAT		

YES 32208	TRGHDSF	3.40106	.36567	9.30089		
YES 13502	TRNHYOIL	1.09141	.11569	9.43389		
YES 43101	AEMARIF	.44728	.16220	2.75747		
YES 00001	SNH4NOF	.16875	.01862	9.06319		
YES 00002	SNH4SOF	7.63527	.58645	13.01957		
YES 00003	SOORGF	3.61304	.32156	11.23610		
YES POW03	ENGRP6F	.18068	.06696	2.69849		

MEASURED CONCENTRATION FOR SIZE: FINE						
	19.7+-	2.0				

SOURCE CONTRIBUTION ESTIMATES - SITE: QRTO					DATE: 26/07/06	CMB8
SAMPLE DURATION	24	START HOUR	0	SIZE:	FINE	
R SQUARE	.8	PERCENT MASS	81			
SOURCE						
EST CODE	NAME	SCE (UG/M3)	STD ERR	TSTAT		

YES 31107	TRGLHBF	.16154	.05443	2.96768		
YES 13502	TRNHYOIL	1.28747	.25921	4.96689		
YES 42104	CTPOLVF	4.99396	1.63964	3.04577		
YES 43101	AEMARIF	.38395	.11800	3.25391		
YES 00001	SNH4NOF	.09309	.04963	1.87585		
YES 00002	SNH4SOF	11.63659	.87990	13.22487		
YES 00003	SOORGF	5.50357	.69116	7.96277		
YES POW03	ENGRP6F	.42510	.06219	6.83604		

MEASURED CONCENTRATION FOR SIZE: FINE						
30.4+-		3.0				

SOURCE CONTRIBUTION ESTIMATES - SITE: AMLA					DATE: 20/06/06	CMB8
SAMPLE DURATION	24	START HOUR	0	SIZE:	FINE	
R SQUARE	.9	PERCENT MASS	90			
SOURCE						
EST CODE	NAME	SCE (UG/M3)	STD ERR	TSTAT		

YES 11506	TRNPOW	1.11295	.07456	14.92735		
YES 42304	CVFLDBF	5.40922	2.16133	2.50273		
YES 42106	CLRESDF	1.51944	1.19261	1.27405		
YES 43101	AEMARIF	.05988	.16315	.36701		
YES 00001	SNH4NOF	.37836	.07866	4.81032		
YES 00002	SNH4SOF	5.35414	.43897	12.19708		
YES 00003	SOORGF	.86169	.62051	1.38868		

MEASURED CONCENTRATION FOR SIZE: FINE						
16.4+-		1.6				

SOURCE CONTRIBUTION ESTIMATES - SITE: AMLA					DATE: 21/06/06	CMB8
SAMPLE DURATION	24	START HOUR	0	SIZE:	FINE	
R SQUARE	.8	PERCENT MASS	85			
SOURCE						
EST CODE	NAME	SCE (UG/M3)	STD ERR	TSTAT		

YES 32203	TRGHDSF	2.19040	.38857	5.63704		
YES 11506	TRNPOW	2.20620	.16417	13.43833		
YES 42304	CVFLDBF	2.05537	1.46296	1.40494		
YES 43305	CTSHCRF	1.04526	.32481	3.21812		
YES 43101	AEMARIF	1.35985	.21533	6.31512		
YES 00001	SNH4NOF	.74854	.08237	9.08756		
YES 00002	SNH4SOF	6.83935	.57736	11.84596		
YES 00003	SOORGF	4.61296	.59391	7.76711		
YES POW01	ENCAM2F	.55352	.14411	3.84092		

MEASURED CONCENTRATION FOR SIZE: FINE						
25.6+-		2.6				

SOURCE CONTRIBUTION ESTIMATES - SITE: AMLA				DATE: 05/07/06	CMB8
SAMPLE DURATION	24	START HOUR	0	SIZE:	FINE
R SQUARE	.9	PERCENT MASS	81		
SOURCE					
EST CODE	NAME	SCE (UG/M3)	STD ERR	TSTAT	

YES 32203	TRGHDSF	1.36130	.34535	3.94183	
YES 11506	TRNPOW	.95521	.12906	7.40153	
YES 42304	CVFLDBF	2.90392	2.30918	1.25755	
YES 43305	CTSHCRF	4.01563	.32517	12.34917	
YES 43101	AEMARIF	7.58687	.99686	7.61081	
YES 00001	SNH4NOF	.27983	.05051	5.54002	
YES 00002	SNH4SOF	7.75908	.65418	11.86075	
YES 00003	SOORGF	1.63696	.68249	2.39852	
YES POW01	ENCAM2F	1.32677	.27886	4.75778	

MEASURED CONCENTRATION FOR SIZE: FINE					
34.6+-		3.5			

SOURCE CONTRIBUTION ESTIMATES - SITE: AMLA				DATE: 06/07/06	CMB8
SAMPLE DURATION	24	START HOUR	0	SIZE:	FINE
R SQUARE	.8	PERCENT MASS	111		
SOURCE					
EST CODE	NAME	SCE (UG/M3)	STD ERR	TSTAT	

YES 32203	TRGHDSF	.56967	.59490	.95760	
YES 11506	TRNPOW	1.14532	.11490	9.96795	
YES 42304	CVFLDBF	12.54519	1.92167	6.52826	
YES 43305	CTSHCRF	.71704	.30883	2.32180	
YES 43101	AEMARIF	1.48160	.40118	3.69315	
YES 00001	SNH4NOF	.20157	.15139	1.33150	
YES 00002	SNH4SOF	7.17144	.60558	11.84233	
YES POW01	ENCAM2F	.83533	.21678	3.85332	

MEASURED CONCENTRATION FOR SIZE: FINE					
22.1+-		2.2			

SOURCE CONTRIBUTION ESTIMATES - SITE: AMLA				DATE: 19/07/06	CMB8
SAMPLE DURATION	24	START HOUR	0	SIZE:	FINE
R SQUARE	.8	PERCENT MASS	91		
SOURCE					
EST CODE	NAME	SCE (UG/M3)	STD ERR	TSTAT	

YES 32206	TRGHDSF	.91704	.39850	2.30122	
YES 11506	TRNPOW	1.36529	.14841	9.19929	
YES 17120	RIINCIF	.01102	.01147	.96114	
YES 42304	CVFLDBF	6.85948	1.98135	3.46202	
YES 43305	CTSHCRF	.52777	1.19195	.44278	
YES 00001	SNH4NOF	.67856	.11154	6.08346	
YES 00002	SNH4SOF	4.87785	.42372	11.51188	
YES POW04	ENGRP6F	.74100	.36249	2.04419	

MEASURED CONCENTRATION FOR SIZE: FINE					
17.6+-		1.8			

SOURCE CONTRIBUTION ESTIMATES - SITE: AMLA					DATE: 20/07/06	CMB8
SAMPLE DURATION	24	START HOUR	0	SIZE:	FINE	
R SQUARE	.8	PERCENT MASS	100			
SOURCE						
EST CODE	NAME	SCE (UG/M3)	STD ERR	TSTAT		

YES 32203	TRGHDSF	1.93032	.60799	3.17490		
YES 11506	TRNPOW	2.79216	.18913	14.76346		
YES 42104	CTPOLVF	1.68633	1.38343	1.21895		
YES 00001	SNH4NOF	.17391	.02645	6.57502		
YES 00002	SNH4SOF	14.08043	1.65402	8.51287		
YES 00003	SOORGF	3.88030	.48802	7.95109		
YES POW01	ENCAM2F	.03742	.02067	1.80991		

MEASURED CONCENTRATION FOR SIZE: FINE						
	24.7+-	2.5				

SOURCE CONTRIBUTION ESTIMATES - SITE: AMLA					DATE: 26/07/06	CMB8
SAMPLE DURATION	24	START HOUR	0	SIZE:	FINE	
R SQUARE	.8	PERCENT MASS	81			
SOURCE						
EST CODE	NAME	SCE (UG/M3)	STD ERR	TSTAT		

YES 31107	TRGLHBF	5.17475	.98210	5.26905		
YES 32203	TRGHDSF	.67279	.53692	1.25306		
YES 11506	TRNPOW	.85008	.09167	9.27285		
YES 42320	CVFLDBF	1.55159	.19687	7.88116		
YES 43307	CTCRUSF	1.07671	.18141	5.93525		
YES 00001	SNH4NOF	.25394	.04510	5.63116		
YES 00002	SNH4SOF	13.13352	.99633	13.18190		
YES 00003	SOORGF	4.41111	.50172	8.79202		

MEASURED CONCENTRATION FOR SIZE: FINE						
	33.5+-	3.3				

VOC

SOURCE CONTRIBUTION ESTIMATES - SITE: MOLT					DATE: 11/05/06	CMB8
SAMPLE DURATION	24	START HOUR	0	SIZE:	VOC	
R SQUARE	.8	PERCENT MASS	116			
SOURCE						
EST CODE	NAME	SCE (UG/M3)	STD ERR	TSTAT		
-----	-----	-----	-----	-----		
YES 2541	RIWASTEW	138.79970	13.63329	10.18094		
YES 9005	CHPLASTI	17.85511	1.78478	10.00410		
YES 2526	TRGAUTO	968.75380	54.10892	17.90377		
YES ENILS2	TRGHONLS	46.97650	3.08482	15.22829		
YES 0001	TRNREOIL	397.09420	28.61177	13.87870		
YES 1215	TRAJET	1.10010	.10000	11.00102		
YES 1178	ENERGY	890.55300	82.26095	10.82595		
-----	-----	-----	-----	-----		
MEASURED CONCENTRATION FOR SIZE: VOC						
	2121.0+-	121.0				

SOURCE CONTRIBUTION ESTIMATES - SITE: MOLT					DATE: 25/05/06	CMB8
SAMPLE DURATION	24	START HOUR	0	SIZE:	VOC	
R SQUARE	.8	PERCENT MASS	106			
SOURCE						
EST CODE	NAME	SCE (UG/M3)	STD ERR	TSTAT		
-----	-----	-----	-----	-----		
YES 2541	RIWASTEW	137.86690	13.63501	10.11124		
YES 9012	CHPETROL	610.22780	127.27530	4.79455		
YES 9005	CHPLASTI	19.74109	1.97413	9.99989		
YES 2526	TRGAUTO	842.85660	50.27275	16.76567		
YES ENILS2	TRGHONLS	52.24157	3.83952	13.60628		
YES 0001	TRNREOIL	34.94331	19.13260	1.82638		
YES 1226	TRAJET	.00346	.00041	8.50000		
YES 1178	ENERGY	513.62070	76.69466	6.69696		
-----	-----	-----	-----	-----		
MEASURED CONCENTRATION FOR SIZE: VOC						
	2094.0+-	209.0				

SOURCE CONTRIBUTION ESTIMATES - SITE: MOLT					DATE: 26/05/06	CMB8
SAMPLE DURATION	24	START HOUR	0	SIZE:	VOC	
R SQUARE	.8	PERCENT MASS	101			
SOURCE						
EST CODE	NAME	SCE (UG/M3)	STD ERR	TSTAT		
-----	-----	-----	-----	-----		
YES 9012	CHPETROL	298.08490	101.89440	2.92543		
YES 2526	TRGAUTO	874.88610	50.11435	17.45780		
YES ENILS2	TRGHONLS	41.28857	2.82783	14.60079		
YES 0001	TRNREOIL	102.74340	10.50481	9.78060		
YES 1215	TRAJET	.60003	.05000	12.00069		
YES 1178	ENERGY	799.54100	107.17910	7.45986		
-----	-----	-----	-----	-----		
MEASURED CONCENTRATION FOR SIZE: VOC						
	2106.0+-	211.0				

SOURCE CONTRIBUTION ESTIMATES - SITE: MOLT					DATE: 20/06/06	CMB8
SAMPLE DURATION	24	START HOUR	0	SIZE:	VOC	
R SQUARE	.8	PERCENT MASS	105			
SOURCE						
EST CODE	NAME	SCE (UG/M3)	STD ERR	TSTAT		

YES 9005	CHPLASTI	43.57894	4.35821	9.99927		
YES 2526	TRGAUTO	925.29610	50.32661	18.38582		
YES ENILS2	TRGHONLS	66.16183	4.40303	15.02644		
YES 0001	TRNREOIL	416.59050	31.92097	13.05069		
YES 1215	TRAJET	.40004	.05000	8.00081		
YES 1178	ENERGY	717.19640	72.04152	9.95532		

MEASURED CONCENTRATION FOR SIZE: VOC						
2063.0+-		206.0				

SOURCE CONTRIBUTION ESTIMATES - SITE: MOLT					DATE: 21/06/06	CMB8
SAMPLE DURATION	24	START HOUR	0	SIZE:	VOC	
R SQUARE	1.	PERCENT MASS	79			
SOURCE						
EST CODE	NAME	SCE (UG/M3)	STD ERR	TSTAT		

YES 2541	RIWASTEW	128.46560	13.46782	9.53871		
YES 9005	CHPLASTI	152.23070	292.93260	.51968		
YES 1167	CLCOMB3	44.21793	43.26831	1.02195		
YES ENIHL3	TRGLROHL	412.31240	41.87221	9.84692		
YES 0305	TRNTERMI	158.86890	21.23427	7.48172		
YES 1178	ENERGY	344.28400	35.05621	9.82091		

MEASURED CONCENTRATION FOR SIZE: VOC						
1573.0+-		157.0				

SOURCE CONTRIBUTION ESTIMATES - SITE: MOLT					DATE: 05/07/06	CMB8
SAMPLE DURATION	24	START HOUR	0	SIZE:	VOC	
R SQUARE	1.	PERCENT MASS	86			
SOURCE						
EST CODE	NAME	SCE (UG/M3)	STD ERR	TSTAT		

YES 2541	RIWASTEW	128.76370	13.45746	9.56820		
YES 1167	CLCOMB3	44.18283	43.26797	1.02114		
YES ENIHL3	TRGLROHL	344.76290	34.88060	9.88409		
YES 0305	TRNTERMI	288.91240	35.43076	8.15428		
YES 1178	ENERGY	448.94380	33.34082	13.46529		

MEASURED CONCENTRATION FOR SIZE: VOC						
1454.0+-		145.0				

SOURCE CONTRIBUTION ESTIMATES - SITE: MOLT					DATE: 06/07/06	CMB8
SAMPLE DURATION	24	START HOUR	0	SIZE:	VOC	
R SQUARE	.9	PERCENT MASS	84			
SOURCE						
EST CODE	NAME	SCE (UG/M3)	STD ERR	TSTAT		

YES 2541	RIWASTEW	127.44270	13.47579	9.45716		
YES ENIHL3	TRGLROHL	467.87880	48.37848	9.67122		
YES 0305	TRNTERMI	274.81200	36.70617	7.48681		
YES 1178	ENERGY	623.91300	45.98341	13.56822		

MEASURED CONCENTRATION FOR SIZE: VOC						
1782.0+-		178.0				

SOURCE CONTRIBUTION ESTIMATES - SITE: MOLT					DATE: 19/07/06	CMB8
SAMPLE DURATION	24	START HOUR	0	SIZE:	VOC	
R SQUARE	.9	PERCENT MASS	82			
SOURCE						
EST CODE	NAME	SCE (UG/M3)	STD ERR	TSTAT		

YES 2541	RIWASTEW	136.36360	13.63636	10.00000		
YES 1167	CLCOMB3	42.60449	43.26905	.98464		
YES 2510	TRGAUTO	112.73680	359.79470	.31334		
YES ENIHL3	TRGLROHL	635.36320	77.34730	8.21442		
YES 0305	TRNTERMI	286.73060	39.54394	7.25094		
YES 1178	ENERGY	315.59070	76.73348	4.11282		

MEASURED CONCENTRATION FOR SIZE: VOC						
	1867.0+-	187.0				

SOURCE CONTRIBUTION ESTIMATES - SITE: MOLT					DATE: 20/07/06	CMB8
SAMPLE DURATION	24	START HOUR	0	SIZE:	VOC	
R SQUARE	.8	PERCENT MASS	85			
SOURCE						
EST CODE	NAME	SCE (UG/M3)	STD ERR	TSTAT		

YES 2541	RIWASTEW	124.98570	13.49891	9.25894		
YES 1167	CLCOMB3	43.12049	43.26862	.99658		
YES ENIHL3	TRGLROHL	666.87500	62.24195	10.71424		
YES 0305	TRNTERMI	310.50280	34.69512	8.94946		
YES 1178	ENERGY	254.57350	19.78689	12.86577		

MEASURED CONCENTRATION FOR SIZE: VOC						
	1653.0+-	165.0				

SOURCE CONTRIBUTION ESTIMATES - SITE: MOLT					DATE: 26/07/06	CMB8
SAMPLE DURATION	24	START HOUR	0	SIZE:	VOC	
R SQUARE	.8	PERCENT MASS	111			
SOURCE						
EST CODE	NAME	SCE (UG/M3)	STD ERR	TSTAT		

YES 2541	RIWASTEW	128.34340	13.48735	9.51583		
YES 1167	CLCOMB3	42.54577	43.26866	.98329		
YES ENIHL3	TRGLROHL	388.70850	64.15282	6.05910		
YES 0001	TRNREOIL	395.14890	69.67107	5.67164		
YES 1178	ENERGY	1170.23000	82.54184	14.17741		

MEASURED CONCENTRATION FOR SIZE: VOC						
	1923.0+-	192.0				

SOURCE CONTRIBUTION ESTIMATES - SITE: PRAN					DATE: 11/05/06	CMB8
SAMPLE DURATION	24	START HOUR	0	SIZE:	VOC	
R SQUARE	.8	PERCENT MASS	85			
SOURCE						
EST CODE	NAME	SCE (UG/M3)	STD ERR	TSTAT		

YES 9003	CHINDUST	53.13504	5.21776	10.18350		
YES 9024	CHPETROL	25.45381	4.93463	5.15820		
YES 1167	CLCOMB3	42.98481	43.26921	.99343		
YES 2510	TRGAUTO	56.81248	12.51632	4.53907		
YES ENIHL3	TRGLROHL	281.13410	39.24912	7.16281		
YES 0001	TRNREOIL	311.93880	44.98583	6.93416		
YES 0305	TRNTERMI	35.98750	5.32473	6.75856		

MEASURED CONCENTRATION FOR SIZE: VOC						
	954.0+-	95.0				

SOURCE CONTRIBUTION ESTIMATES - SITE: PRAN					DATE: 25/05/06	CMB8
SAMPLE DURATION	24	START HOUR	0	SIZE:	VOC	
R SQUARE	.8	PERCENT MASS	103			
SOURCE						
EST CODE	NAME	SCE (UG/M3)	STD ERR	TSTAT		

YES 9004	CHCHEM	33.01046	3.47484	9.49985		
YES 9024	CHPETROL	14.68990	2.78974	5.26569		
YES 9005	CHPLASTI	26.73063	2.96843	9.00498		
YES 1167	CLCOMB3	50.40117	43.26294	1.16500		
YES 2510	TRGAUTO	161.35100	21.04156	7.66820		
YES 0001	TRNREOIL	16.56236	19.28785	.85869		
YES 0002	TRNDIOIL	461.02520	121.51600	3.79395		

MEASURED CONCENTRATION FOR SIZE: VOC						
	743.0+-	74.0				

SOURCE CONTRIBUTION ESTIMATES - SITE: PRAN					DATE: 26/05/06	CMB8
SAMPLE DURATION	24	START HOUR	0	SIZE:	VOC	
R SQUARE	.8	PERCENT MASS	113			
SOURCE						
EST CODE	NAME	SCE (UG/M3)	STD ERR	TSTAT		

YES 2541	RIWASTEW	145.95630	13.38618	10.90351		
YES 9024	CHPETROL	9.19267	2.16342	4.24914		
YES 9005	CHPLASTI	74.51858	7.66042	9.72774		
YES 1167	CLCOMB3	55.12926	43.25287	1.27458		
YES 2510	TRGAUTO	77.48755	6.91390	11.20750		
YES 0001	TRNREOIL	384.70720	38.47071	10.00000		
YES 0305	TRNTERMI	45.27760	5.85072	7.73881		
YES 1178	ENERGY	26.06881	4.06708	6.40971		

MEASURED CONCENTRATION FOR SIZE: VOC						
	726.0+-	73.0				

SOURCE CONTRIBUTION ESTIMATES - SITE: ROCV				DATE: 11/05/06	CMB8
SAMPLE DURATION	24	START HOUR	0	SIZE:	VOC
R SQUARE	.8	PERCENT MASS	80		
SOURCE					
EST CODE	NAME	SCE (UG/M3)	STD ERR	TSTAT	

YES 9005	CHPLASTI	6.80157	.68043	9.99593	
YES 1167	CLCOMB3	43.83412	43.26380	1.01318	
YES 1084	CLWOOD	93.91158	14.25079	6.58992	
YES 2405	CLWOOD	49.93848	20.62266	2.42153	
YES 2510	TRGAUTO	58.02635	34.82129	1.66640	
YES 2520	TRGAUTO	100.49300	10.85610	9.25682	
YES ENIHV3	TRGLROHV	213.48630	19.49813	10.94907	
YES 0305	TRNTERMI	31.21366	7.21951	4.32352	
YES 1178	ENERGY	153.59350	17.93614	8.56335	

MEASURED CONCENTRATION FOR SIZE: VOC					
	934.0+-	93.0			

SOURCE CONTRIBUTION ESTIMATES - SITE: ROCV				DATE: 25/05/06	CMB8
SAMPLE DURATION	24	START HOUR	0	SIZE:	VOC
R SQUARE	1.	PERCENT MASS	84		
SOURCE					
EST CODE	NAME	SCE (UG/M3)	STD ERR	TSTAT	

YES 2542	RIWASTEW	232.33330	35.80662	6.48856	
YES 9005	CHPLASTI	6.96154	.69609	10.00099	
YES 1167	CLCOMB3	41.80569	43.25439	.96651	
YES 2405	CLWOOD	96.79327	12.26501	7.89182	
YES 2520	TRGAUTO	23.89556	8.99029	2.65793	
YES ENIHV3	TRGLROHV	74.66661	7.49547	9.96156	
YES 1178	ENERGY	42.07166	5.42433	7.75610	

MEASURED CONCENTRATION FOR SIZE: VOC					
	616.0+-	62.0			

SOURCE CONTRIBUTION ESTIMATES - SITE: ROCV				DATE: 26/05/06	CMB8
SAMPLE DURATION	24	START HOUR	0	SIZE:	VOC
R SQUARE	.8	PERCENT MASS	85		
SOURCE					
EST CODE	NAME	SCE (UG/M3)	STD ERR	TSTAT	

YES 2541	RIWASTEW	140.20380	13.60987	10.30163	
YES 2405	CLWOOD	425.23560	55.37180	7.67964	
YES ENIHL3	TRGLROHL	112.61380	9.85870	11.42278	
YES 1178	ENERGY	86.26901	6.60171	13.06768	

MEASURED CONCENTRATION FOR SIZE: VOC					
	897.0+	90.0			

SOURCE CONTRIBUTION ESTIMATES - SITE: ROCV					DATE: 20/06/06	CMB8
SAMPLE DURATION	24	START HOUR	0	SIZE:	VOC	
R SQUARE	.9	PERCENT MASS	100			
SOURCE						
EST CODE	NAME	SCE (UG/M3)	STD ERR	TSTAT		

YES 0122	RIINCINE	129.53810	26.44409	4.89857		
YES 1167	CLCOMB3	43.41412	43.26702	1.00340		
YES 2405	CLWOOD	188.21500	32.44894	5.80034		
YES 1101	TRGHGWAY	304.28560	87.21848	3.48877		
YES ENIHL3	TRGLROHL	297.84780	27.23105	10.93780		
YES 1178	ENERGY	86.99872	13.33330	6.52492		

MEASURED CONCENTRATION FOR SIZE: VOC						
	1050.0+-	105.0				

SOURCE CONTRIBUTION ESTIMATES - SITE: ROCV					DATE: 21/06/06	CMB8
SAMPLE DURATION	24	START HOUR	0	SIZE:	VOC	
R SQUARE	.8	PERCENT MASS	88			
SOURCE						
EST CODE	NAME	SCE (UG/M3)	STD ERR	TSTAT		

YES 9005	CHPLASTI	52.57316	5.28075	9.95562		
YES 1167	CLCOMB3	47.37298	43.26725	1.09489		
YES 2405	CLWOOD	857.74020	91.60738	9.36322		
YES ENIHV3	TRGLROHV	228.59690	27.19681	8.40528		
YES 0305	TRNTERMI	43.86686	17.14595	2.55844		
YES 1178	ENERGY	229.46830	17.29215	13.27008		

MEASURED CONCENTRATION FOR SIZE: VOC						
	1668.0+-	167.0				

SOURCE CONTRIBUTION ESTIMATES - SITE: ROCV					DATE: 05/07/06	CMB8
SAMPLE DURATION	24	START HOUR	0	SIZE:	VOC	
R SQUARE	1.	PERCENT MASS	85			
SOURCE						
EST CODE	NAME	SCE (UG/M3)	STD ERR	TSTAT		

YES 2541	RIWASTEW	136.46490	13.63209	10.01056		
YES 1167	CLCOMB3	43.26923	43.26923	1.00000		
YES 2405	CLWOOD	102.17230	14.08342	7.25479		
YES 2520	TRGAUTO	15.02501	10.70979	1.40292		
YES ENIHL3	TRGLROHL	410.84970	57.47145	7.14876		
YES 1178	ENERGY	29.10433	5.98885	4.85975		

MEASURED CONCENTRATION FOR SIZE: VOC						
	868.0+-	87.0				

SOURCE CONTRIBUTION ESTIMATES - SITE: ROCV					DATE: 06/07/06	CMB8
SAMPLE DURATION	24	START HOUR	0	SIZE:	VOC	
R SQUARE	.9	PERCENT MASS	85			
SOURCE						
EST CODE	NAME	SCE (UG/M3)	STD ERR	TSTAT		

YES 2541	RIWASTEW	136.36360	13.63636	10.00000		
YES 1167	CLCOMB3	41.84422	43.26869	.96708		
YES 2520	TRGAUTO	45.18700	4.65378	9.70974		
YES ENIHL3	TRGLROHL	481.13320	78.38151	6.13835		
YES 0001	TRNREOIL	208.37460	72.31774	2.88138		
YES 1178	ENERGY	57.37513	8.49090	6.75725		

MEASURED CONCENTRATION FOR SIZE: VOC						
	1138.0+-	114.0				

SOURCE CONTRIBUTION ESTIMATES - SITE: ROCV					DATE: 19/07/06	CMB8
SAMPLE DURATION	24	START HOUR	0	SIZE:	VOC	
R SQUARE	.8	PERCENT MASS	88			
SOURCE						
EST CODE	NAME	SCE (UG/M3)	STD ERR	TSTAT		

YES 2541	RIWASTEW	142.95850	13.60876	10.50489		
YES 1167	CLCOMB3	42.12701	43.26894	.97361		
YES 2520	TRGAUTO	55.31361	3.97092	13.92965		
YES ENIHL3	TRGLROHL	423.87350	65.18159	6.50296		
YES 0001	TRNREOIL	310.46840	74.95322	4.14216		
YES 1178	ENERGY	257.52040	24.78400	10.39059		

MEASURED CONCENTRATION FOR SIZE: VOC						
	1403.0+-	140.0				

SOURCE CONTRIBUTION ESTIMATES - SITE: ROCV					DATE: 20/07/06	CMB8
SAMPLE DURATION	24	START HOUR	0	SIZE:	VOC	
R SQUARE	1.	PERCENT MASS	118			
SOURCE						
EST CODE	NAME	SCE (UG/M3)	STD ERR	TSTAT		

YES 2541	RIWASTEW	129.20380	13.46743	9.59379		
YES 1167	CLCOMB3	43.26924	43.26924	1.00000		
YES 2520	TRGAUTO	68.38183	7.19603	9.50272		
YES ENIHL3	TRGLROHL	19.70836	48.81460	.40374		
YES 0001	TRNREOIL	452.46900	63.20677	7.15855		
YES 1178	ENERGY	1093.51500	111.74780	9.78555		

MEASURED CONCENTRATION FOR SIZE: VOC						
	1536.0+-	154.0				

SOURCE CONTRIBUTION ESTIMATES - SITE: ROCV					DATE: 26/07/06	CMB8
SAMPLE DURATION	24	START HOUR	0	SIZE:	VOC	
R SQUARE	.8	PERCENT MASS	83			
SOURCE						
EST CODE	NAME	SCE (UG/M3)	STD ERR	TSTAT		

YES 2541	RIWASTEW	130.80140	13.26303	9.86211		
YES 9005	CHPLASTI	1.66292	1.94936	.85306		
YES 2405	CLWOOD	366.61280	36.23070	10.11884		
YES 2564	TRGROAD	128.19450	18.62488	6.88297		
YES ENIHV3	TRGLROHV	319.73170	31.57882	10.12488		

MEASURED CONCENTRATION FOR SIZE: VOC						
1147.0+-		115.0				

SOURCE CONTRIBUTION ESTIMATES - SITE: QRTO					DATE: 11/05/06	CMB8
SAMPLE DURATION	24	START HOUR	0	SIZE:	VOC	
R SQUARE	.8	PERCENT MASS	119			
SOURCE						
EST CODE	NAME	SCE (UG/M3)	STD ERR	TSTAT		

YES 0122	RIINCINE	162.24840	25.28587	6.41656		
YES 9012	CHPETROL	113.00590	32.82641	3.44253		
YES 1167	CLCOMB3	43.31862	43.26921	1.00114		
YES 1101	TRHGWAY	263.49980	25.36469	10.38845		
YES ENIHL3	TRGLROHL	336.51680	47.94310	7.01909		
YES 0001	TRNREOIL	559.34780	71.08395	7.86883		
YES 1178	ENERGY	35.77547	6.11779	5.84778		

MEASURED CONCENTRATION FOR SIZE: VOC						
1270.0+-		127.0				

SOURCE CONTRIBUTION ESTIMATES - SITE: QRTO					DATE: 25/05/06	CMB8
SAMPLE DURATION	24	START HOUR	0	SIZE:	VOC	
R SQUARE	.8	PERCENT MASS	95			
SOURCE						
EST CODE	NAME	SCE (UG/M3)	STD ERR	TSTAT		

YES 2541	RIWASTEW	314.26280	90.75610	3.46272		
YES 9005	CHPLASTI	15.83500	1.58348	10.00014		
YES 2564	TRGROAD	112.17320	62.75304	1.78753		
YES 1101	TRHGWAY	274.75630	85.99053	3.19519		
YES ENIHL3	TRGLROHL	79.39759	8.18863	9.69608		

MEASURED CONCENTRATION FOR SIZE: VOC						
842.0+-		84.0				

SOURCE CONTRIBUTION ESTIMATES - SITE: QRTO					DATE: 26/05/06	CMB8
SAMPLE DURATION	24	START HOUR	0	SIZE:	VOC	
R SQUARE	1.	PERCENT MASS	81			
SOURCE						
EST CODE	NAME	SCE (UG/M3)	STD ERR	TSTAT		

YES 2541	RIWASTEW	127.99300	12.27216	10.42954		
YES 9005	CHPLASTI	11.53957	1.15737	9.97048		
YES 1167	CLCOMB3	43.54507	43.26813	1.00640		
YES 1101	TRGHGWAY	175.85270	11.77965	14.92851		
YES ENIHL3	TRGLROHL	78.49707	11.00084	7.13555		

MEASURED CONCENTRATION FOR SIZE: VOC						
540.0+-	54.0					

SOURCE CONTRIBUTION ESTIMATES - SITE: QRTO					DATE: 06/07/06	CMB8
SAMPLE DURATION	24	START HOUR	0	SIZE:	VOC	
R SQUARE	.8	PERCENT MASS	90			
SOURCE						
EST CODE	NAME	SCE (UG/M3)	STD ERR	TSTAT		

YES 2541	RIWASTEW	131.66070	13.19032	9.98161		
YES 9024	CHPETROL	10.46865	3.02939	3.45570		
YES 9005	CHPLASTI	2.18867	1.95615	1.11887		
YES 1167	CLCOMB3	44.99456	43.26598	1.03995		
YES 1101	TRGHGWAY	313.09900	29.64359	10.56212		
YES ENIHL3	TRGLROHL	250.27820	25.06504	9.98515		
YES 1178	ENERGY	39.29571	8.84560	4.44240		

MEASURED CONCENTRATION FOR SIZE: VOC						
882.0+-	88.0					

SOURCE CONTRIBUTION ESTIMATES - SITE: QRTO					DATE: 20/06/06	CMB8
SAMPLE DURATION	24	START HOUR	0	SIZE:	VOC	
R SQUARE	.8	PERCENT MASS	84			
SOURCE						
EST CODE	NAME	SCE (UG/M3)	STD ERR	TSTAT		

YES 9005	CHPLASTI	121.89510	12.04957	10.11613		
YES 1101	TRGHGWAY	405.25570	67.74718	5.98188		
YES 0001	TRNREOIL	340.75070	26.14867	13.03128		
YES 1178	ENERGY	137.79430	21.60800	6.37700		

MEASURED CONCENTRATION FOR SIZE: VOC						
1203.0+-	120.0					

SOURCE CONTRIBUTION ESTIMATES - SITE: QRTO					DATE: 21/06/06	CMB8
SAMPLE DURATION	24	START HOUR	0	SIZE:	VOC	
R SQUARE	.8	PERCENT MASS	83			
SOURCE						
EST CODE	NAME	SCE (UG/M3)	STD ERR	TSTAT		

YES 9005	CHPLASTI	156.78640	15.97778	9.81278		
YES 1101	TRGHGWAY	339.78870	57.00051	5.96115		
YES 0001	TRNREOIL	497.87320	37.62505	13.23249		
YES 1178	ENERGY	368.45560	27.88513	13.21334		

MEASURED CONCENTRATION FOR SIZE: VOC						
1653.0+-	165.0					

SOURCE CONTRIBUTION ESTIMATES - SITE: QRTO					DATE: 19/07/06	CMB8
SAMPLE DURATION	24	START HOUR	0	SIZE:	VOC	
R SQUARE	.9	PERCENT MASS	85			
SOURCE						
EST CODE	NAME	SCE (UG/M3)	STD ERR	TSTAT		

YES 9012	CHPETROL	184.21430	43.37141	4.24737		
YES 9005	CHPLASTI	5.19193	.51888	10.00596		
YES 1101	TRGHGWAY	304.55560	26.56757	11.46344		
YES 0001	TRNREOIL	664.70530	52.54519	12.65016		
YES 1178	ENERGY	15.72460	4.32604	3.63487		

MEASURED CONCENTRATION FOR SIZE: VOC						
1390.0+- 139.0						

SOURCE CONTRIBUTION ESTIMATES - SITE: QRTO					DATE: 20/07/06	CMB8
SAMPLE DURATION	24	START HOUR	0	SIZE:	VOC	
R SQUARE	.8	PERCENT MASS	92			
SOURCE						
EST CODE	NAME	SCE (UG/M3)	STD ERR	TSTAT		

YES 2541	RIWASTEW	124.48090	13.54984	9.18689		
YES 2405	CLWOOD	201.04220	45.07418	4.46025		
YES 1101	TRGHGWAY	269.88270	34.06706	7.92210		
YES 0001	TRNREOIL	420.20550	33.71339	12.46405		

MEASURED CONCENTRATION FOR SIZE: VOC						
1106.0+- 111.0						

SOURCE CONTRIBUTION ESTIMATES - SITE: QRTO					DATE: 26/07/06	CMB8
SAMPLE DURATION	24	START HOUR	0	SIZE:	VOC	
R SQUARE	.8	PERCENT MASS	92			
SOURCE						
EST CODE	NAME	SCE (UG/M3)	STD ERR	TSTAT		

YES 2541	RIWASTEW	136.40490	13.63636	10.00303		
YES 2405	CLWOOD	446.56570	124.54990	3.58544		
YES 1101	TRGHGWAY	113.52270	169.36990	.67027		
YES 0001	TRNREOIL	472.69370	36.31189	13.01760		
YES 1178	ENERGY	131.72770	18.96059	6.94745		

MEASURED CONCENTRATION FOR SIZE: VOC						
1409.0+- 141.0						

SOURCE CONTRIBUTION ESTIMATES - SITE: AMLA					DATE: 20/06/06	CMB8
SAMPLE DURATION	24	START HOUR	0	SIZE:	VOC	
R SQUARE	.8	PERCENT MASS	78			
SOURCE						
EST CODE	NAME	SCE (UG/M3)	STD ERR	TSTAT		

YES 2405	CLWOOD	270.02060	34.33932	7.86331		
YES ENIHL3	TRGLROHL	442.58700	62.04288	7.13357		
YES 1178	ENERGY	544.77760	41.26992	13.20036		

MEASURED CONCENTRATION FOR SIZE: VOC						
1610.0+- 161.0						

SOURCE CONTRIBUTION ESTIMATES - SITE: AMLA					DATE: 21/06/06	CMB8
SAMPLE DURATION	24	START HOUR	0	SIZE:	VOC	
R SQUARE	.9	PERCENT MASS	82			
SOURCE						
EST CODE	NAME	SCE (UG/M3)	STD ERR	TSTAT		

YES 9012	CHPETROL	164.85560	76.67394	2.15009		
YES 9005	CHPLASTI	156.06420	15.90319	9.81339		
YES 1167	CLCOMB3	43.55152	43.26900	1.00653		
YES 2520	TRGAUTO	6.76060	12.28093	.55050		
YES ENIHL3	TRGLROHL	218.11480	30.17617	7.22805		
YES 0002	TRNDIOIL	28.82954	38.99342	.73934		
YES 1178	ENERGY	385.42110	29.75476	12.95326		

MEASURED CONCENTRATION FOR SIZE: VOC						
	1219.0+-	122.0				

SOURCE CONTRIBUTION ESTIMATES - SITE: AMLA					DATE: 05/07/06	CMB8
SAMPLE DURATION	24	START HOUR	0	SIZE:	VOC	
R SQUARE	.8	PERCENT MASS	106			
SOURCE						
EST CODE	NAME	SCE (UG/M3)	STD ERR	TSTAT		

YES 9012	CHPETROL	416.25380	122.33540	3.40256		
YES 1167	CLCOMB3	42.83161	43.26580	.98996		
YES ENIHL3	TRGLROHL	186.37250	31.73391	5.87298		
YES 1178	ENERGY	523.43380	45.54962	11.49151		

MEASURED CONCENTRATION FOR SIZE: VOC						
	1099.0+-	110.0				

SOURCE CONTRIBUTION ESTIMATES - SITE: AMLA					DATE: 06/07/06	CMB8
SAMPLE DURATION	24	START HOUR	0	SIZE:	VOC	
R SQUARE	.9	PERCENT MASS	109			
SOURCE						
EST CODE	NAME	SCE (UG/M3)	STD ERR	TSTAT		

YES 9012	CHPETROL	449.33520	121.17500	3.70815		
YES 1167	CLCOMB3	43.63491	43.26812	1.00848		
YES ENIHL3	TRGLROHL	354.04360	42.20874	8.38792		
YES 1178	ENERGY	548.23280	39.20024	13.98545		

MEASURED CONCENTRATION FOR SIZE: VOC						
	1276.0+-	128.0				

SOURCE CONTRIBUTION ESTIMATES - SITE: AMLA					DATE: 19/07/06	CMB8
SAMPLE DURATION	24	START HOUR	0	SIZE:	VOC	
R SQUARE	.8	PERCENT MASS	104			
SOURCE						
EST CODE	NAME	SCE (UG/M3)	STD ERR	TSTAT		

YES 9012	CHPETROL	544.64930	89.66344	6.07437		
YES 9005	CHPLASTI	16.11723	1.61257	9.99477		
YES 1167	CLCOMB3	43.31953	43.26921	1.00116		
YES ENIHL3	TRGLROHL	866.92600	119.92160	7.22911		
YES 1178	ENERGY	264.31660	19.70948	13.41063		

MEASURED CONCENTRATION FOR SIZE: VOC						
	1669.0+-	167.0				

SOURCE CONTRIBUTION ESTIMATES - SITE: AMLA					DATE: 20/07/06	CMB8
SAMPLE DURATION	24	START HOUR	0	SIZE:	VOC	
R SQUARE	.9	PERCENT MASS	84			
SOURCE						
EST CODE	NAME	SCE (UG/M3)	STD ERR	TSTAT		

YES 9012	CHPETROL	482.32880	131.21800	3.67578		
YES 9005	CHPLASTI	24.59288	2.45519	10.01670		
YES 1167	CLCOMB3	43.74542	43.26911	1.01101		
YES ENIHL3	TRGLROHL	471.15710	66.93604	7.03892		
YES 0002	TRNDIOIL	102.62160	88.72798	1.15659		
YES 1178	ENERGY	526.68380	38.96139	13.51810		

MEASURED CONCENTRATION FOR SIZE: VOC						
	1965.0+-	197.0				