

Analysis and Detection of Explosives

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Journal Article	Frank, H	Lead alkyl components as discriminating factors in the comparison	Journal of the Forensic Science Society	1980	20(4): 285-292	MAT	This report describes an electron capture gas
Journal Article	Giles, JJ	The analysis of waxes and greases using high resolution gas	Journal of the Forensic Science Society	1987	27(4): 231-239	JV	The work outlined in this paper shows improvements that
Journal Article	Hitz, R	Gasoline brand identification and individualization of gasoline lots	Journal of the Forensic Science Society	1989	22(2): 91-101	JV	According to the results, identification of the refinery is
Journal Article	Hitz, R	Simulation of the weathering of gasolines using gas	Journal of the Forensic Science Society	1991	31(3): 309-319	MS	A method of calculation based on a simple equation derived
Journal Article	Kobus, H;	Additional studies were performed with respect to examining the	Journal of the Forensic Science Society	1987	27(5): 307-314	DCM	A simple, inexpensive and versatile gas chromatography
Journal Article	Lloyd, J	Capillary column gas chromatography in the examination of high	Journal of the Forensic Science Society	1982	22(3): 283-287	DCM	Examples are presented of capillary gas chromatograms of
Journal Article	Russell, LW	The concentration and analysis of volatile hydrocarbons in fire	Journal of the Forensic Science Society	1981	21(4): 317-326	MS	An alternative method for the analysis of volatile hydrocarbons
Journal Article	Twibell, J;	A comparison of the relative sensitivities of the adsorption wire and	Journal of the Forensic Science Society	1982	22(2): 155-159	DCM	The relative sensitivities of steam distillation, hot headspace
Journal Article	Rella, R;	Accelerant identification in fire debris by TCT-GC-MS	LC-GC Europe	2002	15(9): 603-609	MS	The chemical detection of ignitable fuel traces in fire debris is
Journal Article	Etre, LS	Milestones in chromatography: The beginnings of headspace	LC-GC North America	2002	20(12): 1120-1129	MS	Sampling methods in gas chromatography. This month's
Document	Office of the	United Kingdom Fire Investigation Dog and Handler Teams. Guide	London UK: Office of the Deputy Prime Minister	2004	First edition	MS	Introduction: 1.1 This document has been produced as a
Conference Paper	Coulombe, R;	Spontaneous ignition of vegetable oils: Chemical composition	Lyon France: Interpol Congress	2001			
Book	De Forest, PE;	Forensic Science: An Introduction to Criminalistics	McGraw-Hill Book	1983	First edition	MAT	This book is a basic textbook for use in college and university
Journal Article	Cadman, W;	The analysis of some vaporizable materials of interest to the	Microchemical Journal	1961	5(4): 573-585	PA	methods provide various advantages and disadvantages. This
Journal Article	Parker, B;	Identification of fire accelerant by vapor phase chromatography	Microchemical Journal	1962	6(1): 31-36	MS	[No Abstract] Except: Rapid developments in high sensitive
Journal Article	Palotás, AB;	Soot morphology: An application of image analysis in high-resolution	Microscopy Research and Technique	1996	33(3): 266-278	MS	Interest in the fine structure of soots and carbon blacks is
Journal Article	Lentini, J	Incidental accelerants	National Fire Arson Report	1983	2(3): 3	DCM	No abstract
Book	NFPA 921:	NFPA 921: Guide For Fire And Explosion Investigations	National Fire Protection Association	2011	2011 edition	MS	The 2011 NFPA 921 addresses everything from basic
Document	Custer, RLP	Field Guide For Fire Investigators	National Fire Protection Association; ISBN-10:	2007	First edition	MS	NFPA's Field Guide Is Your Direct Link To The Information
Journal Article	Mealy, C, Wolfe,	Forensic Analysis of Ignitable Liquid Fuel Fires in Buildings	National Institute of Justice	2013	NIJReport241441	MS	An experimental study of liquid fuel fires (Class B) in
Journal Article	Twibell, J;	Novel method for direct analysis of hydrocarbons in crime	Nature	1977	268: 711-713	DCM	MODERN methods for sampling of organic vapours in air
Book	Newman, R;	GC-MS Guide to Ignitable Liquids	New York: RC Press; ISBN-10: 0849331072	1998	First edition	MS	The rapidly increasing number of different ignitable liquid
Report	Rankin, J;	Development and Validation of a Method for Individualization of	NIJ Technical Report	2012	NIJReport240686	MS	This project applied target compound analysis from high
Report	Sigman, M;	Application of Chemometrics and Fast GC-MS Analysis for the	NIJ Technical Report	2012	NIJReport240684	MS	The goal of the research conducted under this grant was to
Journal Article	King, R	Petroleum: Its composition, analysis and processing	Occupational Medicine: State of the Art Reviews	1988	3(3): 409-430	MS	The task of the occupational physician can be greatly assisted
Journal Article	Smallwood, B;	Stable carbon isotopic composition of gasolines determined by	Organic Geochemistry	2002	33(2): 149-159	MS	A large number of underground gasoline storage facilities in
Journal Article	Lazzari, M;	Drying and oxidative degradation of linseed oil	Polymer Degradation and Stability	1999	65: 303-313	DCM	The drying and oxidative degradation of linseed oil have been
Book	DeHaan, J;	Kirk's Fire Investigation	Plymco-Hall Inc New Jersey USA	2011	Seventh edition	MS	investigation in evidence collection and evaluating a fire scene
Report	Cherry, CL	Arsonist's shoes: clue or confusion?	Presented at the American Academy of Forensic	1996	23pp	MS	Shoes seem to inherently produce patterns which could be
Journal Article	Borusiewicz, R	Fire debris analysis - a survey of techniques used for accelerants	Problems of Forensic Sciences	2002	50: 44-63	MS	Fire debris analysis, in order to identify potential accelerants, is
Journal Article	Nic Deaid, N;	An investigation into the causes of laundry fires—spontaneous	Problems of Forensic Sciences	2001	46(XLVI): 272-277	MS	Several laundry fires have been investigated during the period
Journal Article	Zadora, G;	Identification of petroleum products and organic solvents used in a	Problems of Forensic Sciences	2002	52: 124-135	MAT	Petroleum products (e.g. gasoline, lubricant oil, fuel oil and
Conference Paper	Wineman, P;	A GC/MS procedure for detecting petroleum derived accelerants in	Proceedings from the International Association of	1990	27pp	MAT	An inherent limitation of the standard GC/FID pattern
Journal Article	Furton, K;	Variables controlling the recovery of ignitable liquid residues from	Proceedings of SPIE	1999	3576: 136-141	JV	In this paper, we present data comparing a variety of different
Conference Paper	Fultz, M; Culver,	Analysis protocols and proficiency testing in fire debris analysis	Proceedings of the International Symposium on the	1995	165-193	MS	[No Abstract] Excerpt from Introduction: Laboratories
	DeHaan, JD	Fire engineering, Fire Investigation, and the Forensic Scientist	Sacramento: California Criminalistics Institute	1995			
Journal Article	Almirall, JR;	The recovery of accelerants in aqueous samples from fire debris	Science & Justice	1996	36(4): 283-287	MS	A popular method for the recovery of flammable and
Journal Article	Bolviken, E;	Arson, statistics and the law: Can the defendant's proximity to a	Science & Justice	1995	35(2): 97-104	MS	The statistical evidence which played a major part in a case of
Journal Article	Coulson, S;	The effect of compressed air foam on the detection of hydrocarbon	Science & Justice	2000	40(4): 257-260	PA	http://www.sciencedirect.com/science/article/pii/S13550306007
Journal Article	DeHaan, JD;	Combustion of animal fat and its implications for the consumption of	Science & Justice	1999	39: 29-37	MAT	This paper describes experiments in which the combustion of
Journal Article	DeHaan, J;	Volatile organic compounds from the combustion of human and	Science & Justice	2004	44(4): 223-236	MAT	The volatile by-products of the combustion of ordinary fuels
Journal Article	Dhole, VR;	Detection of petroleum accelerant residues on partially burnt objects	Science & Justice	1995	35(3): 217-221	MAT	Residues of incendiary materials such as kerosene, petrol
Journal Article	Farmer, N;	Stable isotope profiling of burnt wooden safety matches	Science & Justice	2009	49(2): 107-113	MAT	Arson is a significant problem around the world, and is a crime
Journal Article	Fernandes, M;	The effect of volatile residues in burnt household items on the	Science & Justice	2002	42(1): 7-15	MAT	Common household items were partially burnt and then
Journal Article	Gialamas, DM	Enhancement of fire scene investigations using accelerant detection	Science & Justice	1996	36(1): 51-54	JV	No abstract.
Journal Article	Griffin, R;	Analysis of wax-based products by capillary gas chromatography-	Science & Justice	1996	36(4): 229-244	MS	Wax-based products such as ointments, make-up and shoe
Journal Article	Holleyhead, R	Ignition of flammable gases and liquids by cigarettes: A review	Science & Justice	1996	36(4): 257-266	MS	The cause of a fire has often been attributed to lighted
Journal Article	Lennard, C;	A GC-MS database of target compound chromatograms for the	Science & Justice	1995	35(1): 19-30	DCM	A method of comparing selected ion profiles of fire debris
Journal Article	Rella, R;	A brush fire forensic case	Science & Justice	2005	45(1): 29-34	MS	In Italy, every summer forest fires attract public attention due to
Journal Article	Stauffer, E	Concept of pyrolysis for fire debris analysts	Science & Justice	2003	43(1): 29-40	MS	This paper introduces the mechanisms of pyrolysis to fire
Journal Article	Tranahim-Fryer,	Canine accelerant detectors and problems with carpet pyrolysis	Science & Justice	1997	37(1): 39-46	DCM	No abstract available.
Journal Article	Dietz, W; Mann	Evidence contaminated by polyester bags	Scientific Sleuthing Newsletter	1988	12(3): 5-6	MAT	No abstract
Application Note	SensIR	The analysis of natural oils by FT-IR with a micro-ATR	SensIR Technologies	1999	Application note AB-		
Journal Article	Lloyd, J	Examination of petroleum products of high relative molecular mass	The Analyst	1980	105(1247): 97-109	MS	The luminescence of petroleum derivatives is discussed with
Journal Article	Miscoun, J	The detection and determination of small amounts of inflammable	The Analyst	1952	77(916): 381	MS	In cases of suspected arson, the writer has been frequently
Journal Article	Henry, CL	Study of nylon bags for packaging fire debris	The CACNews	2008	4th Quarter: 30-32	MS	[No Abstract] Introduction: Evidence for ignitable liquids
Journal Article	Ahmad, U;	Forensic detection of fire accelerants using a new solid phase	The Internet Journal of Forensic Science	2007	2(1): 1-28	MS	An important aspect of an investigation of a suspected arson
Journal Article	Brackett, JJ	Separation of flammable material of petroleum origin from evidence	The Journal of Criminal Law, Criminology and	1955	46(4): 554-561	MS	[No Abstract] From first page: Evidence is often submitted in
Book	Bertsch, W;	Chemical analysis for the arson investigator and attorney	Verlagsgesellschaft Huthig Jehle Rehm GmbH	1993	First edition	MS	Table of Contents: 1. Fire Investigation, Accelerants and