



**American
Petroleum
Institute**

API PUBL*4634 95 0732290 0549954 790

Index and Abstracts of API Health-Related Research

**13th Edition
1959-1994**

Health and Environmental Sciences Department
Publication Number 4634
September 1995



Documents

Document Sharing Hub

Index and Abstracts of API Health-Related Research

**13th Edition
1959-1994**

Health and Environmental Affairs Department

API PUBLICATION NUMBER 4634

SEPTEMBER 1995



**American
Petroleum
Institute**



Documents

Document Sharing Hub

FOREWORD

API PUBLICATIONS NECESSARILY ADDRESS PROBLEMS OF A GENERAL NATURE. WITH RESPECT TO PARTICULAR CIRCUMSTANCES, LOCAL, STATE, AND FEDERAL LAWS AND REGULATIONS SHOULD BE REVIEWED.

API IS NOT UNDERTAKING TO MEET THE DUTIES OF EMPLOYERS, MANUFACTURERS, OR SUPPLIERS TO WARN AND PROPERLY TRAIN AND EQUIP THEIR EMPLOYEES, AND OTHERS EXPOSED, CONCERNING HEALTH AND SAFETY RISKS AND PRECAUTIONS, NOR UNDERTAKING THEIR OBLIGATIONS UNDER LOCAL, STATE, OR FEDERAL LAWS.

NOTHING CONTAINED IN ANY API PUBLICATION IS TO BE CONSTRUED AS GRANTING ANY RIGHT, BY IMPLICATION OR OTHERWISE, FOR THE MANUFACTURE, SALE, OR USE OF ANY METHOD, APPARATUS, OR PRODUCT COVERED BY LETTERS PATENT. NEITHER SHOULD ANYTHING CONTAINED IN THE PUBLICATION BE CONSTRUED AS INSURING ANYONE AGAINST LIABILITY FOR INFRINGEMENT OF LETTERS PATENT.

Copyright © 1995 American Petroleum Institute

ACKNOWLEDGMENTS

THE FOLLOWING PEOPLE ARE RECOGNIZED FOR THEIR CONTRIBUTIONS OF TIME AND EXPERTISE IN THE REVISION AND IN THE PREPARATION OF THIS INDEX AND ABSTRACTS, 13th EDITION:

API STAFF

Karen Vaucrosson , Health and Environmental Sciences Department - Indexing

Edna Paulson, API Librarian - Indexing

Christine Sexsmith*, Health and Environmental Sciences Department - Indexing

Steven Riley, Information Systems - Database Management

*No longer employed with this organization.

INTRODUCTION

The Health and Environmental Sciences Department (HESD) of the American Petroleum Institute (API) sponsors petroleum health-related research in the areas of industrial hygiene and exposure assessment, toxicology, environmental biology, product safety, and community and occupational health. The reports and publications indexed and abstracted here are a compilation of research investigations/reviews conducted for API from 1959 through the end of 1994. For additional information including articles published in the peer-reviewed literature, on-line searching is recommended.

The Subject Index

The subject index of the 13th edition of **Index and Abstracts of API Health-Related Research** has been simplified to include a comprehensive list of key terms alphabetically arranged by "petroleum product of interest," "test conducted" or by "authors/organizations." The main headings in the subject index appear in **bold**. Subheadings appear in *italics*. Each study in the subject index is identified by its full title followed by a unique number (xx-xxxxx) in parentheses, which also identifies the study's abstract. Numbers are arranged numerically in the Abstracts Section.

The Abstracts

Prepared by the staff of API's Central Abstracting & Information Service, abstracts include a "source" field providing the user with one of four descriptors on report availability. These include:

- API HESD Information Specialist;
- Not Available from API;
- API Library;
- API Publications.

API HESD Information Specialist

Copies of research or departmental reports indicated as API Med Res. Publ or API Health Environ. Sci. Dep. Rep. can be obtained by contacting the information specialist at (202)-682-8319 or fax (202)-682-8270).

Not Available from API

To access a report or document not published by API, users must contact the publisher directly or check at a university library. A full citation including the name of the publisher and year of publication is provided.

API Library

API publications that are no longer in print are archived in the API Library and can be ordered by calling (202)-682-8042 or fax (202)-682-8232. Library staff provide price information.

API Publications

Please call the API Publications Order Desk at (202)-682-8375 or fax (202)-962-4776 to order publications. API members get 20% discount. Discounts for bulk orders are available.

Users of this edition of **Index and Abstracts** should note that it does not include API-sponsored environmental research such as facility emissions, air quality modeling, soil and groundwater remediation etc. Descriptions of these studies can be found in the current API publications, programs and services catalog. To obtain a copy, call (202) 682-8375.

TABLE OF CONTENTS

<u>Section</u>	<u>Page</u>
Author Index	1
Organization Index	5
Subject Index	11
Abstracts	61

NOTE

The following API health publication does not appear in the Index and Abstracts Sections because it is updated annually. Please check with the API Publications Order Desk (202)-682-8375 for the most current publication number and price.

41-30283

Results of toxicological studies [of petroleum and related materials] conducted for the American Petroleum Institute. This volume is a compilation of the API toxicological studies performed on petroleum-based materials, including gasoline and naphthas, middle distillates, lubricating oil base stocks, heavy fuel oils, hydrocarbon and petroleum solvents, and miscellaneous materials (petroleum cokes, crude oils and their fractions, shale oils, shale solids, shale oil-derived fuels, SRC distillate, MTBE, and TAME). The entries for the studies are tabulated by the category of test material; within each entry, information is included about the test performed, the animal species tested, and test results. An abstract number for the study is also given, corresponding to the number appearing in the *Index and Abstracts of API Health-Related Research*, the APILIT citation base, and API Literature Abstracts. Each year, updated entries (pages) will be made available to purchasers of this publication.

■ API Publication #45591 (January 1994) (187 p.).

Source: API Publications Order Desk (Order No. 145591)

AUTHOR INDEX

Ackerman LJ	30-31535	Birkhead NC	27-30966	Coate WB	30-32012
Albert RE	33-31094	Blank IH	33-31225	Cockrell BY	32-30407
Albrecht RM	26-60053	Bogo V	30-31533	Cockrell BY	32-30408
Alden CL	32-30409	Bowers JC	36-31431	Cockrell BY	33-31098
Alderson MR	31-30449	Brannon EL	34-32982	Cockrell BY	33-31223
Ament ML	27-32177	Brannon EL	40-33133	Cockrell BY	34-30857
Anderson GE	34-32923	Brennan C	40-32425	Cockrell BY	37-31148
Anderson JW	26-60002	Brennan C	40-32426	Cole P	31-31480
Anderson JW	26-60030	Brewer T	37-31958	Coleman JH	33-32009
Anderson JW	26-60055	Bromberg I	33-31096	Colucci AV	32-32461
Anderson JW	26-60072	Bromberg PA	26-60022	Colucci AV	32-32502
Anderson JW	33-32871	Bromberg PA	26-60023	Colucci AV	32-32503
Aranyi C	32-31472	Brooker AJ	40-32425	Combs DW	40-32426
Aranyi C	32-32405	Brooker AJ	40-32426	Conaway CC	30-31997
Aranyi C	34-30857	Brown NA	34-32774	Conaway CC	32-31299
Arms AD	36-31431	Brubaker PE	32-32502	Conaway CC	33-31095
Austin BS	34-32923	Bruner RH	30-31534	Conway J	39-31095
Austin H	31-31480	Bruner RH	30-31537	Coombs DW	40-32425
Avery DL	30-32063	Bruner RH	32-30416	Coomes RM	30-32001
Avol EL	26-60029	Brusick DJ	27-32179	Cooper GP	26-60025
Bachand RT	26-60001	Bufler PA	32-30418	Cooper GP	30-32081
Bailey RM	26-60029	Buikema AL	26-31781	Copper WC	26-60060
Baldwin JK	31-32162	Buikema AL	27-32296	Cortina TA	30-31996
Banerjee CM	26-60054	Burdett LW	26-60063	Cowan MJ	30-31534
Banerjee CM	27-30966	Burdett LW	28-70300	Cox BA	26-60030
Baretta ED	26-60001	Burg W	30-32081	Cragg ST	30-31982
Baretta ED	26-60048	Burks SL	29-30299	Cragg ST	30-31997
Barkley W	30-31999	Burns JM	34-32600	Cragg ST	30-32000
Battigelli MC	26-60024	Busey WM	27-30704	Cragg ST	30-32063
Battigelli MC	26-60058	Busey WM	32-30407	Cragg ST	32-31299
Battigelli MC	26-60071	Butler RG	40-30740	Craig JC	33-32727
Battigelli MC	26-60095	Cairns J	26-31781	Craig JC	33-32910
Baturay NZ	31-30263	Calisti LJ	27-31528	Cranmer JM	30-32063
Baylor CN	26-60093	Capel JE	40-32761	Cranmer JM	30-32836
Beatty P	36-33132	Carpenter CP	26-60082	Curren RD	35-32431
Beck LS	27-32068	Carpenter CP	26-60083	Dahl AR	34-33036
Beck LS	27-32130	Carpenter CP	26-60084	Daisey JM	28-31614
Beck LS	27-32131	Carpenter CP	26-60085	Dalbey W	30-31531
Beck LS	30-31530	Carpenter CP	26-60086	Daly IW	37-31151
Beck LS	30-32011	Carpenter CP	26-60087	Damon EG	34-33036
Beckman EL	26-60031	Carpenter CP	26-60088	Dauvin EM	37-31958
Beckman EL	26-60032	Carpenter CP	26-60089	Davies DM	31-32980
Beliles RP	27-32174	Carpenter CP	26-60090	DeBias DA	26-60054
Beliles RP	27-32175	Carpenter CP	26-60091	DeBias DA	27-30966
Beliles RP	27-32176	Carpenter CP	26-60123	Decker CE	26-60051
Beliles RP	30-32003	Carpenter CP	26-60124	Delauze HG	26-60035
Beliles RP	27-32177	Carpenter CP	26-60125	Delbrueck WR	30-31603
Bell KA	26-60029	Carpenter CP	27-31349	Deleon IR	32-32651
Bell KA	27-30839	Carpenter CP	27-31350	Depeyster A	30-31095
Bell KA	27-30842	Carpenter CP	27-31351	Dickinson J	30-32007
Benenson AS	39-31095	Carpenter CP	27-31352	Dickinson J	30-32008
Bennett PB	26-60033	Carr RS	33-32871	Dickinson J	30-32009
Bernstein D	26-60094	Cavender FL	30-32005	Digsby GM	39-33107
Bernstein DM	27-30840	Chan L	39-31095	Disbennett DB	30-31535
Beyrouthy P	37-31153	Chin BH	27-31528	Dodd HC	26-60048
Biles RW	35-30687	Christensen CC	41-30101	Domask WG	32-01363
Bingham E	27-30915	Clark CR	30-31998	Donohoo KK	26-60048
Birkhead NC	26-60054	Coate WB	30-31535	Dreyer NA	37-31336

Durloo RS	30-32012	Guerin M	30-31531	Honaker RW	26-60040
Easley JR	30-31536	Gunnison AF	26-60023	Hoover AW	26-60053
Edel PO	26-60041	Haas JF	27-32467	Hoover BK	30-32064
Edwards DA	36-33132	Hackney JD	26-60029	Hoover BK	31-32162
Eisenbud M	26-60094	Hackney JD	26-60045	Hosko MJ	26-60001
Elston RA	33-30665	Hackney JD	27-30839	Howd RA	30-32007
Erlichman MN	33-31096	Hackney JD	27-30841	Howd RA	30-32008
Faeder EJ	32-32502	Hackney JD	27-30842	Hughes M	26-60034
Fairchild EJ	26-60037	Hackney JD	28-33073	Hulse M	39-31651
Feldman R	26-60080	Hake CH	24-30057	Irvine D	31-32980
Feldman R	26-60122	Hake CL	26-60043	Ivett JL	35-30933
Fellingham GW	33-30665	Halder CA	32-30414	Ivett JL	35-30934
Ferris BG	26-60116	Halder CA	33-31098	Jacobs MM	30-31646
Finch GL	30-31992	Halder CA	33-31223	Jacobson-Kram D	37-31149
Fisher GL	30-31992	Halder CA	34-30857	Jacobson-Kram D	37-31150
Folinsbee LJ	32-31232	Halder CA	34-32600	Jagannath DR	35-30932
Forster HV	26-60043	Haley TJ	26-60061	Jeffcoat AR	39-33107
Franz TJ	30-31994	Halliwell WH	3032845	Jenkins R	30-31531
Franz TJ	32-32749	Hallock M	41-31765	Jessup JC	26-60096
Franz TJ	33-31034	Hammond SK	41-31765	John DM	40-32425
Franz TJ	37-31827	Hansen KL	30-31530	John DM	40-32426
Fraser DA	26-60071	Harbell JW	36-31909	Johnson TR	40-32761
Freedman ML	26-60078	Harbell JW	36-31910	Jungen H	33-31598
Friedman MHF	27-30966	Harbell JW	36-31911	Kainz RJ	30-32078
Frome EL	30-31983	Harbell JW	36-31912	Kalbfleisch JH	24-30057
Gamble JF	26-60024	Harbell JW	36-31913	Kalbfleisch JH	26-60048
Garcia H	26-60122	Harbell JW	37-30618	Kalbfleisch JH	27-30705
Garcia LL	27-33273	Harbell JW	37-30619	Kaluzny SP	33-30601
Garfinkel S	30-31531	Harbell JW	37-30620	Kaluzny SP	34-32982
Gaworski CL	30-31534	Harbell JW	37-31487	Kane ML	31-02438
Geary DL	26-60082	Harley NH	30-31647	Kanerva RL	32-30409
Geary DL	26-60083	Hastings L	26-60025	Kaplan SD	33-32726
Geary DL	26-60084	Hastings L	30-32081	Kaufman J	26-60043
Geary DL	26-60085	Hatch M	32-30187	Keelen MH	26-60043
Geary DL	26-60086	Hatoum NS	32-30414	Kenny TJ	40-32426
Geary DL	26-60087	Hayes SR	32-32309	Kieran PC	40-32426
Geary DL	26-60088	Hazer KA	30-32001	Kiesser SL	33-30665
Geary DL	26-60089	Heidelberger C	30-31038	Kindwall EP	26-60042
Geary DL	26-60090	Hendricks AC	27-32296	King JM	26-60082
Geary DL	26-60091	Hepler DI	27-32068	King JM	26-60083
Geary DL	26-60123	Hepler DI	30-31530	King JM	26-60084
Geary DL	26-60124	Hepler DI	30-32002	King JM	26-60085
Geary DL	26-60125	Hepler DI	30-32011	King JM	26-60086
Geary DL	27-31349	Hepler DI	27-32130	King JM	26-60087
Geary DL	27-31350	Hepler DI	27-32131	King JM	26-60088
Geary DL	27-31351	Herrmann A	26-60001	King JM	26-60089
Geary DL	27-31352	Higginson J	32-30418	King JM	26-60090
Gibson RL	30-31525	Hightower GM	26-60030	King JM	26-60091
Gillen HW	26-60038	Hill RA	30-31533	King JM	26-60123
Glowa JR	30-32080	Hillman DW	30-31982	King JM	26-60124
Goad PT	30-32063	Hillman DW	30-32000	King JM	27-31349
Goldbaum FR	27-30700	Hinsdill RD	30-31993	King JM	27-31350
Goldstein B	29-32358	Hoberman AM	30-32012	King JM	27-31351
Goldstein BD	26-60073	Hofherr LK	39-31095	King JM	27-31352
Goldstein BD	26-60074	Holdsworth CE	31-02438	King RW	30-32000
Goldstein BD	33-31094	Holdsworth CE	33-31098	King RW	30-31982
Goldstein BD	33-31096	Holdsworth CE	33-31223	Kinthead ER	26-60082
Graff SA	26-60048	Holdsworth CE	34-30857	Kinthead ER	26-60083
Gralla EJ	30-32005	Holdsworth CE	34-32600	Kinthead ER	26-60084
Grasso P	31-32980	Holdsworth CE	35-30687	Kinthead ER	26-60085
Greenberg HL	26-60029	Holland JM	30-31536	Kinthead ER	26-60086
Gruenke LD	33-32727	Holland JM	30-31983	Kinthead ER	26-60087
Gruenke LD	33-32910	Holmberg R	30-31531	Kinthead ER	26-60089

Kinthead ER	26-60123	McGinniss MJ	26-31781	Paul RA	40-32761
Kinthead ER	26-60124	McGregor J	41-30735	Payne JF	30-31995
Kitcher DN	30-32845	McKee HC	26-60057	Pearson WH	33-30665
Kitchen DN	32-30413	McKee RH	36-33132	Peterson JE	26-60001
Klan MJ	39-31651	McKelvey JA	27-31528	Peterson JE	26-60106
Klein JP	26-60043	McLaughlin JK	32-30419	Phillips RD	30-32063
Kleinman MT	26-60094	Mecler FJ	27-32173	Phillips RD	32-30408
Kleinman MT	27-30841	Mecler FJ	27-32174	Phillips SC	32-30410
Klonne DR	34-32600	Mecler FJ	27-32175	Piccirillo VJ	33-31098
Kluge A	30-31603	Mecler FJ	27-32176	Piccirillo VJ	37-31958
Knapinski PJ	27-32173	Mecler FJ	27-32177	Pietra A	26-60080
Kneip TJ	26-60094	Mecler FJ	30-32003	Pitts LL	30-31537
Kneip TJ	29-32681	Mix MC	32-32656	Plankenhom L	37-31958
Kneip TJ	30-31647	Monson RR	31-30449	Platte LR	26-60048
Kozbelt SJ	27-31528	Morgan RW	30-31639	Politzer IR	32-32651
Krumm AA	27-30704	Morgan RW	32-32565	Poole C	37-31336
Ladov EN	31-02438	Morris A	31-30265	Pryor GT	30-32007
Lango TM	27-32173	Morris MJ	37-31152	Pryor GT	30-32008
Laseter JL	32-32651	Muir CS	32-30418	Pryor GT	30-32009
Laskin S	26-60074	Munson AE	32-31512	Putman DL	35-32432
Laskin S	26-60076	Munson AE	33-31750	Putman DL	35-32433
Laskin S	29-32358	Myers RC	26-60087	Putman DL	35-32479
Laskin S	33-31096	Myers RC	26-60088	Putman DL	35-32482
Lawrie JA	26-60039	Myers RC	26-60089	Putman DL	36-30043
Leong BKJ	26-60076	Myers RC	26-60090	Putman DL	36-30044
Leong BKJ	26-60077	Myers RC	26-60091	Putman DL	36-31429
Levine L	37-31136	Myers RC	27-31349	Putman DL	37-31152
Lewis SC	30-31982	Myers RC	27-31350	Putman DL	37-31830
Lewis SC	30-32000	Myers RC	27-31351	Quillen JL	36-31431
Lewis SC	30-32063	Myers RC	27-31352	Quinn B	37-31958
Lewis SC	34-30330	Nachreiner DJ	26-60087	Quinn TP	34-32982
Lijinsky W	26-60080	Nachreiner DJ	26-60088	Raabe GK	32-30420
Linn WS	26-60045	Nachreiner DJ	26-60089	Radford EP	27-30965
Linn WS	28-22073	Nachreiner DJ	26-60090	Raha CR	26-60080
Lioy PJ	28-31614	Nachreiner DJ	26-60091	Rahimtula AD	30-31995
Lippman M	26-60094	Nachreiner DJ	27-31349	Ramahi H	26-60080
Lipsky MM	32-30417	Nachreiner DJ	27-31350	Rappaport H	26-60080
Lipsky MM	32-30421	Nachreiner DJ	27-31351	Rebert CS	30-32006
Litovitz T	36-31914	Nachreiner DJ	27-31352	Rebert CS	30-32007
Litovitz T	39-31093	Nakatani RE	33-30601	Rebert CS	30-32008
Lock S	30-31531	Nakatani RE	34-32982	Rebert CS	30-32077
Lucas SV	31-31471	Nakatani RE	40-33133	Reitman FA	39-31651
Lulham G	37-31154	Neeper-Bradley TL	36-33318	Rench JD	40-32427
Lundberg GW	32-32309	Neeper-Bradley TL	36-33319	Renne RA	32-30626
Lyinsky W	26-60122	Neeper-Bradley TL	38-31216	Riddick R	26-60094
Lysy HH	32-31512	Neeper-Bradley TL	38-31217	Robbins WK	27-33264
MacFarland HN	30-31535	Neff JM	26-60030	Robinson E	26-60070
MacFarland HN	30-31991	Neff JM	27-32178	Robinson K	37-31153
MacFarland HN	32-30412	Neff JM	33-32871	Robinson K	37-31154
MacGregor JA	32-31299	Nevissi AE	33-30601	Rocke TE	30-31993
MacGregor JT	41-30101	Nevissi AE	34-32982	Rockwell TH	26-60049
MacMahon B	31-30449	Newbeme P	31-31480	Rodkey FL	27-30700
MacNaughton MG	32-30415	Newton PE	26-60043	Rose W	40-32424
Maibach HI	33-32727	Newton PE	27-30705	Rosenberg NL	39-30623
Maibach HI	33-32910	Newton PE	37-31151	Rossi SS	26-60002
Makris SL	27-32176	Nguyen TD	27-32179	Rothenberg SJ	34-33036
Mallan RP	30-31647	Noreyko JM	39-31651	Rothman KJ	37-31136
Mallon RP	31-30264	O'Brien PJ	30-31995	Royal TM	26-60051
Mandak D	33-31598	O'Connor JM	40-30741	Rudnick J	27-33273
Marshall WF	30-31998	O'Shea WJ	34-30857	Rusch GM	26-60076
Mauderly JL	34-33036	Osborne BE	37-31153	Rushton L	31-30449
McAuliffe DJ	33-31225	Ottoboni F	26-60060	Safiotti U	26-60080
McClellan RO	34-33036	Palmer ED	26-60023	Salo EO	33-30601

Sample CJ	35-31189	Springfield KA	36-32641	Voelz GL	27-33273
San RHC	36-32641	Squibb KS	40-30741	Wallcave L	26-60122
Satterfield MH	37-31136	Stefanchik-Scott V	32-30187	Ward GS	26-60002
Scala R	32-30422	Stein ZA	32-30187	Warne TM	32-30414
Schaumburg HH	30-32079	Stemmer KL	27-32132	Warner JS	31-31471
Schaumburg HH	39-30623	Stemmer KL	30-31999	Warshawsky D	27-30915
Schmitt S	36-33132	Stewart DJ	26-60043	Washer G	37-31153
Schottenfeld D	27-32467	Stewart EB	26-60048	Washer G	37-31154
Schreiner CA	30-31997	Stewart RC	26-60106	Watts JD	30-32002
Schreiner CA	36-33132	Stewart RD	24-30057	Weaver NK	26-60093
Schroeder HA	26-60110	Stewart RD	26-60001	Weaver NK	30-31525
Schroeder HA	26-60111	Stewart RD	26-60043	Weaver NK	31-02438
Schroeder HA	26-60112	Stewart RD	26-60048	Weir BR	34-32923
Schroeder HA	26-60113	Stewart RD	27-30705	Weir FW	26-60022
Schroeder HA	26-60114	Stewart TA	24-30057	Weir FW	26-60023
Schroeder HA	26-60115	Stewart TA	27-30705	Weir FW	26-60049
Schroeder RE	33-31095	Strieter RP	32-32502	Weisfeldt ML	27-30965
Schroeder RE	35-30687	Sullivan LJ	26-60082	Wen CP	32-30411
Schulte HF	27-33273	Sullivan LJ	26-60083	Wester RC	33-32727
Schwartz GP	28-31614	Sullivan LJ	26-60084	Wester RC	33-32910
Segal A	29-32681	Sullivan LJ	26-60085	White KL	32-31512
Seigneur C	32-32309	Sullivan LJ	26-60086	White KL	33-31750
Seigneur C	34-32923	Sullivan LJ	26-60087	White LE	30-32078
Seiler FA	34-33036	Sullivan LJ	26-60088	Whitman RP	33-30601
Sellakumar A	33-31096	Sullivan LJ	26-60089	Whitman RP	34-32982
Sellakumar AR	33-31094	Sullivan LJ	26-60090	Whitman RP	40-33133
Sharratt M	31-32980	Sullivan LJ	26-60091	Wilson KW	26-60052
Shubik P	26-60080	Sullivan LJ	26-60123	Wingate DA	30-32011
Shubik P	26-60122	Sullivan LJ	26-60124	Winward MR	28-70300
Sica EW	30-31996	Sullivan LJ	26-60125	Wolman SR	26-60121
Siconolfi RM	30-32064	Sullivan LJ	27-31349	Wolman SR	26-60122
Sigler CI	36-31911	Sullivan LJ	27-31350	Wolman SR	33-31096
Sigler CI	37-30618	Sullivan LJ	27-31351	Wong O	30-31639
Sigler CI	37-30619	Sullivan LJ	27-31352	Wong O	32-32565
Sigler CI	37-30620	Sullivan LJ	27-31528	Wong O	41-32613
Sigler CI	37-31149	Swanson M	36-33132	Wong ZA	36-33132
Sigler CI	37-31150	Tabershaw IR	26-60060	Woodruff DL	33-30665
Sigler CI	36-31909	Tanski W	26-60025	Worrell NR	39-32387
Sigler CI	36-31910	Tatem HE	26-60030	Wright WB	26-60117
Sigler CI	36-31912	TeVault RK	30-32063	Wu A	24-30057
Sigler CI	37-31487	Thomas FB	33-31223	Wu A	26-60043
Skisak CM	39-31651	Thomas MD	26-60108	Wu A	27-30705
Slauter RW	39-33107	Tietze PG	39-31651	Yang LL	35-32480
Slymen D	39-31095	Tomatis L	26-60080	Yang LL	35-32481
Smith CW	30-31525	Tommerdahl JB	26-60051	Young RR	35-30935
Smith EM	26-60031	Toth B	26-60080	Yuill TN	30-31993
Smith JH	39-31651	Travis CC	36-31431	Zakhari S	30-32013
Smith RG	26-60062	Trent L	41-32613	Zedeck MS	28-30174
Smith RG	26-60064	Trosset RP	27-30915		
Smith TJ	41-31765	Trump BF	32-30421		
Snyder BP	33-30601	Tsai SP	32-30411		
Snyder CA	26-60075	Tyler TR	27-31528		
Snyder CA	33-31094	Uddin DE	32-30415		
Snyder CA	33-31096	Ulrich CE	27-32610		
Snyder LJ	26-60036	Ulrich CE	34-32600		
Snyder NK	33-31095	Vallee BL	26-60065		
Sorenson SS	30-32006	Vallee BL	26-60066		
Sorenson SS	30-32077	Vallee BL	26-60067		
Spencer PS	29-32291	Vallee BL	26-60068		
Spencer PS	30-30223	Vallee BL	26-60069		
Spencer PS	30-30225	Vandermeulen JH	39-31089		
Spencer PS	30-30226	Vernot EH	39-31651		
Spencer PS	30-32004	Vetrano K	40-06424		

ORGANIZATION INDEX

Albert Einstein College of Medicine	29-32291	Bio-Research Laboratories Ltd.	37-31154
Albert Einstein College of Medicine	30-32004	Biodynamics Inc.	27-30765
Albert Einstein College of Medicine	30-32079	Biodynamics Inc.	33-31095
Albert Einstein College of Medicine	31-32169	Biospherics Inc	32-30231
Albert Einstein College of Medicine	39-30623	Borriston Laboratories Inc	30-32296
Albert Einstein College of Medicine, Yeshiva University	30-30223	Borriston Laboratories Inc	30-32297
Albert Einstein College of Medicine, Yeshiva University	30-30225	Borriston Laboratories Inc	30-32298
Albert Einstein College of Medicine, Yeshiva University	30-30226	Borriston Laboratories Inc	30-32852
American Petroleum Institute	27-32178	Borriston Laboratories Inc	30-32853
American Petroleum Inst. Environmental Affairs	26-60108	Borriston Laboratories Inc	30-32854
American Petroleum Inst. Environmental Affairs Dept.	26-60118	Borriston Laboratories Inc	32-30966
American Public Health Assoc.	26-60108	Borriston Laboratories Inc	32-31048
Amoco Corp	39-31651	British Petroleum Co. P.L.C.	31-32980
Amoco Corp Exp. Pathol. Lab.	33-31098	Brookhaven National Laboratory	32-32855
Amoco Corp.	34-30857	Bushy Run Research Center	33-32009
Amoco Corp.	36-33132	Bushy Run Research Center	38-31216
Amoco Oil Co.	32-30414	Bushy Run Research Center	38-31217
Amoco Oil Corp.	33-31223	California University of Berkeley	26-60060
Applied Health Sciences	41-32613	California University of Berkeley	30-31992
Arkansas University of for Medical Sciences	30-32063	California University of Irvine	30-31534
Arkansas University of for Medical Sciences	30-32836	California University of School of Medicine	33-32727
Armed Forces Institute of Pathology	27-30700	California University of School of Medicine	33-32910
Armed Forces Radiobiol. Res. Inst.	30-31533	California University of School of Pharmacy	33-32727
Bartlesville Energy Technol. Cent.	30-31998	California University of School of Pharmacy	33-32910
Battelle Columbus Laboratories	30-31992	California University of School of Public Health	33-31163
Battelle Columbus Laboratories	31-31471	Cannon Laboratories	26-60027
Battelle Marine Research Laboratory	33-30665	Carnegie-Mellon Inst. Res.	26-60082
Battelle Marine Research Laboratory	33-30665	Carnegie-Mellon Inst. Res.	26-60083
Battelle Marine Research Laboratory	33-32871	Carnegie-Mellon Inst. Res.	26-60084
Battelle Memorial Institute, Pacific Northwest Labs.	26-60050	Carnegie-Mellon Inst. Res.	26-60085
Battelle Memorial Institute, Pacific Northwest Labs.	26-60050	Carnegie-Mellon Inst. Res.	26-60086
Battelle New England Marine Research Laboratory	33-32871	Carnegie-Mellon Inst. Res.	26-60087
Battelle Pacific Northwest Laboratories	32-30626	Carnegie-Mellon Inst. Res.	26-60088
Battelle Washington Environmental Program Office	40-32427	Carnegie-Mellon Inst. Res.	26-60089
Bedford Institute of Oceanography/P. Lane & Associ	39-31089	Carnegie-Mellon Inst. Res.	26-60090
Bedford Institute of Oceanography/P. Lane & Associ	39-31089	Carnegie-Mellon Inst. Res.	26-60091
Bellevue Hosp.	26-60093	Carnegie-Mellon Inst. Res.	26-60123
BIBRA Toxicology International	39-32387	Carnegie-Mellon Inst. Res.	26-60124
Bio/dynamics Inc	28-30077	Carnegie-Mellon Inst. Res.	26-60125
Bio/dynamics Inc	28-31209	Carnegie-Mellon University	27-31349
Bio/dynamics Inc	28-31210	Carnegie-Mellon University	27-31350
Bio/dynamics Inc	28-31211	Carnegie-Mellon University	27-31351
Bio/dynamics Inc	28-31212	Carnegie-Mellon University	27-31352
Bio/dynamics Inc	31-31481	Carnegie-Mellon University	27-31528
Bio/dynamics Inc	32-30235	Chemical Industr. Inst. Toxicol.	30-32005
Bio/dynamics Inc	32-30236	Chemical Manufacturers Association	28-31211
Bio/dynamics Inc	32-30237	Chemical Manufacturers Association	28-31212
Bio/dynamics Inc	32-30238	Chevron Environ. Health Cent.	32-31299
Bio/dynamics Inc	32-30239	Chevron Environ. Health Cent.	36-33132
Bio/dynamics Inc.	35-30687	Chicago Mech. Sch.	26-60080
Bio/dynamics Inc.	41-33231	Cincinnati University of	26-60025
Bio/dynamics Inc.	41-33232	Cincinnati University of	27-30915
Bio/Dynamics Inc.	37-31151	Cincinnati University of College of Medicine	30-32081
Bio/Dynamics Inc.	37-32485	Cincinnati University of Kettering Lab.	26-60028
Bio/Dynamics Inc.	37-32486	Cincinnati University of Kettering Lab.	31-02438
Bio-Labs Inc.	32-30413	Cincinnati University of Kettering Lab. Medical Center	33-32725
Bio-Research Laboratories Ltd.	37-31153	Cincinnati University of Medical Center	27-32132

Cincinnati University of Medical Center	29-32356	Elars Bioresearch Laboratories	29-33066
Cincinnati University of Medical Center	30-31999	Elars Bioresearch Laboratories	29-33067
Cincinnati University of Medical Center	30-32849	Elars Bioresearch Laboratories	29-33068
Cincinnati University of Medical Center	30-32851	Elars Bioresearch Laboratories	29-33104
Clayton Environmental Consultants	40-31953	Elars Bioresearch Laboratories	29-33105
Clayton Environmental Consultants Inc	36-30038	Elars Bioresearch Laboratories	29-33106
Colorado University of School of Medicine	39-30623	Elars Bioresearch Laboratories	30-31598
Colucci & Associates Inc	32-32461	Elars Bioresearch Laboratories Inc.	30-31530
Colucci & Associates Inc	32-32502	Electric Power Research Institute	27-30840
Colucci & Associates Inc	32-32503	ENSR Health Sciences	39-33438
Columbia University	26-60053	ENSR Health Sciences	41-32613
Columbia University	32-30187	Enviro Control Inc	28-31863
COMEX	26-60035	Environ. Ind. Safety Consult.	30-32078
CONCAWE	39-32387	Environmental Health Associates Inc	30-31639
Coordinating Research Council Inc	27-30705	Environmental Health Associates Inc	30-31644
Coordinating Research Council Inc	27-30839	Environmental Health Associates Inc	30-31645
Coordinating Research Council Inc	27-30841	Environmental Health Associates Inc	32-32565
Coordinating Research Council Inc	27-30842	Epidemiology Resources Inc	31-31480
Coordinating Research Council Inc	27-30965	Epidemiology Resources Inc	32-32225
Coordinating Research Council Inc	27-30966	Epidemiology Resources Inc	37-31336
Coordinating Research Council Inc	28-33073	Eppley Inst. for Res. in Cancer & Allied Diseases	30-31646
Coordinating Research Council Inc	30-31639	Equitable Environmental Health, Inc.	26-60120
Coordinating Research Council Inc	30-31644	Experimental Pathology Laboratories	30-31535
Coordinating Research Council Inc	30-31645	Experimental Pathology Laboratories Inc.	27-30704
Copley International Corp.	26-60052	Experimental Pathology Laboratories Inc.	32-30407
Copley International Corp.	26-60079	Experimental Pathology Laboratories Inc.	32-30408
Cornell University Medical College	27-32467	Experimental Pathology Laboratories Inc.	33-31223
Cornell University Medical School	26-60093	Experimental Pathology Laboratories Inc.	33-31642
Cox Associates	41-32131	Experimental Pathology Laboratories Inc.	33-31695
Dartmouth Medical School	26-60110	Experimental Pathology Laboratories Inc.	33-31696
Dartmouth Medical School	26-60111	Experimental Pathology Laboratories Inc.	34-30857
Dartmouth Medical School	26-60112	Experimental Pathology Laboratories Inc.	35-32084
Dartmouth Medical School	26-60113	Experimental Pathology Laboratories Inc.	37-31148
Dartmouth Medical School	26-60114	Exxon Biochemical Sciences Inc.	39-31651
Dartmouth Medical School	26-60115	Exxon Biomedical Sciences Inc.	35-30687
Deutsche Gesellschaft für Mineralölwissenschaft & Kohlechemie eV see DGMK		Exxon Biomedical Sciences Inc.	36-33132
DGMK	30-31603	Exxon Co. U.S.A.	32-01363
DGMK	33-31598	Exxon Corp.	30-31982
Diamond Shamrock Corp.	27-31528	Exxon Corp.	30-32000
Diamond Shamrock Corp.	30-31982	Exxon Corp.	30-32063
Diamond Shamrock Corp.	30-32000	Exxon Corp.	31-32162
Duquesne University	40-30740	Exxon Corp.	32-30408
Duquesne University	40-30740	Exxon Corp.	34-30330
Dynamac Corp	30-32013	Exxon Corp., Res. Environ. Health Div.	32-30410
Dynamac Corp	32-31555	Exxon Corp., Res. Environ. Health Div.	32-32502
Dynamac Corp Enviro Control Division	29-32809	Exxon Research & Engineering Co.	27-33264
EA Engineering Science & Technology Inc	32-30599	Exxon Research & Engineering Co.	35-30687
EA Engineering Science & Technology Inc	32-30600	General Motors Corp.	26-60001
EA Engineering Science & Technology Inc	34-33031	Georgetown University Hospital	39-31093
Elars Bioresearch Laboratories	27-32068	Gulf Corp	31-30449
Elars Bioresearch Laboratories	27-32130	Gulf Oil Corp.	30-31525
Elars Bioresearch Laboratories	27-32131	Gulf Oil Corp.	30-32064
Elars Bioresearch Laboratories	27-32771	Gulf Oil Corp.	31-30449
Elars Bioresearch Laboratories	27-32772	Gulf Oil Corp.	32-30411
Elars Bioresearch Laboratories	27-32773	Gulf Research & Development Co	28-30724
Elars Bioresearch Laboratories	27-32774	Gulf Research & Development Co	29-32615
Elars Bioresearch Laboratories	27-32813	Gulf Research & Development Co	29-32668
Elars Bioresearch Laboratories	27-32814	Gulf Science & Technology Co.	27-32132
Elars Bioresearch Laboratories	27-32815	Gulf Science & Technology Co.	29-32668
Elars Bioresearch Laboratories	27-32816	Gulf Science & Technology Co.	30-31535
Elars Bioresearch Laboratories	27-32817	Gulf Science & Technology Co.	30-31991
Elars Bioresearch Laboratories	29-33065	Harvard Medical School	26-60065
		Harvard Medical School	26-60066

Harvard Medical School	26-60067	Hazleton Laboratories America Inc	34-30636
Harvard Medical School	26-60068	Hazleton Laboratories America Inc	34-32775
Harvard Medical School	26-60069	Hazleton Laboratories America Inc	34-32776
Harvard Medical School	30-32080	Hazleton Laboratories America Inc	34-32777
Harvard Medical School	33-31225	Hazleton Laboratories America Inc	34-32778
Harvard University	26-60116	Hazleton Laboratories America Inc	34-32779
Hawaii University of School of Medicine	26-60061	Hazleton Laboratories America Inc	35-30932
Hazleton Biotechnologies Co	34-32643	Hazleton Laboratories America Inc	35-30933
Hazleton Biotechnologies Co	34-32644	Hazleton Laboratories America Inc	35-30934
Hazleton Biotechnologies Co	34-32645	Hazleton Laboratories America Inc	35-30935
Hazleton Laboratories America	26-60096	Hazleton Laboratories America Inc	35-31936
Hazleton Laboratories America	34-32600	Hazleton Laboratories America Inc	35-31937
Hazleton Laboratories America Inc	27-00325	Hazleton Laboratories America Inc	35-31938
Hazleton Laboratories America Inc	27-30051	Hazleton Laboratories America Inc	35-31939
Hazleton Laboratories America Inc	27-30140	Hazleton Laboratories Inc.	27-30704
Hazleton Laboratories America Inc	27-32466	Hazleton Raltech Inc	30-31854
Hazleton Laboratories America Inc	28-30725	Hazleton Raltech Inc	30-31986
Hazleton Laboratories America Inc	28-30726	Hazleton Raltech Inc	30-31987
Hazleton Laboratories America Inc	28-30727	Hazleton Raltech Inc	30-31988
Hazleton Laboratories America Inc	28-30728	Hazleton Raltech Inc	30-31989
Hazleton Laboratories America Inc	28-31628	Hazleton Raltech Inc	30-31990
Hazleton Laboratories America Inc	28-31864	Hazleton Raltech Inc	30-32347
Hazleton Laboratories America Inc	28-31865	Hazleton Raltech Inc	30-32348
Hazleton Laboratories America Inc	28-31866	Hine, Inc.	26-60098
Hazleton Laboratories America Inc	28-31867	Hine, Inc.	26-60100
Hazleton Laboratories America Inc	28-31868	Hine, Inc.	26-60103
Hazleton Laboratories America Inc	30-30224	Humble Oil & Refining Co.	26-60036
Hazleton Laboratories America Inc	30-31535	Humble Oil & Refining Co.	26-60093
Hazleton Laboratories America Inc	30-31996	Huntington Research Centre	27-32610
Hazleton Laboratories America Inc	30-32012	Huntington Research Centre Ltd	40-32425
Hazleton Laboratories America Inc	31-30448	Huntington Research Centre Ltd	40-32426
Hazleton Laboratories America Inc	31-31351	Hydrospace Co.	26-60041
Hazleton Laboratories America Inc	31-31352	IIT Research Institute	32-30414
Hazleton Laboratories America Inc	31-31412	IIT Research Institute	32-31472
Hazleton Laboratories America Inc	31-31413	IIT Research Institute	32-32405
Hazleton Laboratories America Inc	31-31414	IIT Research Institute	34-30857
Hazleton Laboratories America Inc	31-31415	IIT Research Institute	36-32643
Hazleton Laboratories America Inc	31-31416	Industrial Research and Development Corp.	36-32642
Hazleton Laboratories America Inc	31-31417	Inhalation Toxicol.Res.Inst.	30-31998
Hazleton Laboratories America Inc	32-31473	Inhalation Toxicol.Res.Inst., Lovelace Biomed.Env.Res.Inst.	34-33036
Hazleton Laboratories America Inc	32-31474	Inhalation Toxicol.Res.Inst., Lovelace Biomed.Env.Res.Inst.	36-31430
Hazleton Laboratories America Inc	32-31708	Institute of Environmental Stress	32-31232
Hazleton Laboratories America Inc	32-32857	International Agency for Research on Cancer	31-31480
Hazleton Laboratories America Inc	32-32858	International Agency for Research on Cancer	32-30418
Hazleton Laboratories America Inc	32-32859	International Research & Development Corp	30-32846
Hazleton Laboratories America Inc	32-32860	International Research & Development Corp	30-32855
Hazleton Laboratories America Inc	33-30162	International Research & Development Corp	30-32856
Hazleton Laboratories America Inc	33-30444	International Research & Development Corp	30-32857
Hazleton Laboratories America Inc	33-30495	International Research & Development Corp	30-32858
Hazleton Laboratories America Inc	33-30496	International Research & Development Corp	32-30192
Hazleton Laboratories America Inc	33-30497	International Research & Development Corp	32-30234
Hazleton Laboratories America Inc	33-30549	International Research & Development Corp	32-32165
Hazleton Laboratories America Inc	33-30592	International Research & Development Corp	32-32854
Hazleton Laboratories America Inc	33-30593	International Research & Development Corp	33-31827
Hazleton Laboratories America Inc	33-30594	International Research & Development Corp	33-31902
Hazleton Laboratories America Inc	33-30595	International Research & Development Corp	33-32724
Hazleton Laboratories America Inc	33-30596	International Research & Development Corp	33-32864
Hazleton Laboratories America Inc	33-31226	International Research & Development Corp	34-33173
Hazleton Laboratories America Inc	33-32639	International Research & Development Corp	34-32600
Hazleton Laboratories America Inc	33-32722	International Research & Development Corp	35-30936
Hazleton Laboratories America Inc	33-32723	International Research & Development Corp	35-30937
Hazleton Laboratories America Inc	34-30634	International Research & Development Corp	35-31367
Hazleton Laboratories America Inc	34-30635	International Research & Development Corp	35-31368

International Research & Development Corp	35-32077	Litton Bionetics Inc	32-30535
International Research & Development Corp	35-32084	Litton Bionetics Inc	32-30965
Intox Laboratories Inc	31-31472	Litton Bionetics Inc	32-31233
IT Air Quality Services Inc	40-32761	Litton Bionetics Inc	32-31300
J & J Marine Diving Co. Inc.	26-60040	Litton Bionetics Inc	32-32166
Jefferson Medical College	27-30966	Litton Bionetics Inc	32-32167
Jefferson Medical College, Thomas Jefferson University	26-60105	Litton Bionetics Inc	32-32168
Johns Hopkins School of Hygiene and Public Health	32-30419	Litton Bionetics Inc	32-32169
Johns Hopkins University	27-30965	Litton Bionetics Inc	32-32289
Kettering Laboratory	30-32847	Litton Bionetics Inc	32-32459
Kettering Laboratory	32-30964	Litton Bionetics Inc	32-32460
Little Arthur D Inc	30-31588	Litton Bionetics Inc	33-30929
Litton Bionetics	26-60003	Litton Bionetics Inc	33-30930
Litton Bionetics	26-60004	Litton Bionetics Inc	33-31092
Litton Bionetics	26-60005	Litton Bionetics Inc	33-31093
Litton Bionetics	26-60006	Litton Bionetics Inc	33-31224
Litton Bionetics	26-60007	Litton Bionetics Inc	33-32800
Litton Bionetics	26-60008	Litton Bionetics Inc	33-32801
Litton Bionetics	26-60009	Litton Bionetics Inc	33-32802
Litton Bionetics	26-60010	Litton Bionetics Inc	33-32803
Litton Bionetics	26-60011	Litton Bionetics Inc	33-32804
Litton Bionetics	26-60013	Litton Bionetics Inc	34-30329
Litton Bionetics	26-60014	Litton Bionetics Inc	34-30632
Litton Bionetics	26-60015	Litton Bionetics Inc	34-30633
Litton Bionetics	26-60016	Los Alamos Scientific Laboratory	27-33273
Litton Bionetics	26-60017	Lyondell Petrochemical Co	39-31651
Litton Bionetics	26-60018	Marine Technol. Soc.	26-60038
Litton Bionetics	26-60019	Marquette School of Medicine	26-60001
Litton Bionetics	26-60020	Maryland University of School of Medicine	32-30417
Litton Bionetics	26-60021	Maryland University of School of Medicine	32-30421
Litton Bionetics	26-60026	Massachusetts General Hospital	33-31225
Litton Bionetics	26-60044	Massachusetts University of Medical Center	41-31765
Litton Bionetics	26-60092	Medical College of Virginia	30-32848
Litton Bionetics	26-60099	Medical College of Virginia	30-32850
Litton Bionetics	26-60102	Medical College of Virginia	32-31512
Litton Bionetics Inc	27-30483	Medical College of Virginia	33-31750
Litton Bionetics Inc	27-30484	Medical College of Wisconsin	24-30057
Litton Bionetics Inc	27-32127	Medical College of Wisconsin	26-60043
Litton Bionetics Inc	27-32128	Medical College of Wisconsin	26-60048
Litton Bionetics Inc	27-32129	Medical College of Wisconsin	26-60106
Litton Bionetics Inc	27-32173	Medical College of Wisconsin	27-30705
Litton Bionetics Inc	27-32174	Medtronic Inc., Physiol. Res. Lab. Div.	30-31537
Litton Bionetics Inc	27-32175	Mellon Institute	36-33318
Litton Bionetics Inc	27-32176	Mellon Institute	36-33319
Litton Bionetics Inc	27-32177	Memorial Sloan-Kettering Cancer Center	27-32467
Litton Bionetics Inc	27-32179	Memorial Sloan-Kettering Cancer Center	28-30174
Litton Bionetics Inc	28-30173	Mem. University of Newfoundland	30-31995
Litton Bionetics Inc	28-31344	Metcalf & Eddy Inc.	26-31781
Litton Bionetics Inc	28-31345	Microbiological Associates Inc	32-31709
Litton Bionetics Inc	28-31346	Microbiological Associates Inc	32-31710
Litton Bionetics Inc	28-31347	Microbiological Associates Inc	32-31768
Litton Bionetics Inc	29-32357	Microbiological Associates Inc	32-31769
Litton Bionetics Inc	29-32359	Microbiological Associates Inc	32-32288
Litton Bionetics Inc	29-32360	Microbiological Associates Inc	32-32408
Litton Bionetics Inc	30-31037	Microbiological Associates Inc	32-32409
Litton Bionetics Inc	30-32003	Microbiological Associates Inc	32-32731
Litton Bionetics Inc	31-30613	Microbiological Associates Inc	32-32745
Litton Bionetics Inc	31-30614	Microbiological Associates Inc	32-32746
Litton Bionetics Inc	31-30615	Microbiological Associates Inc	32-32750
Litton Bionetics Inc	31-30680	Microbiological Associates Inc	32-32754
Litton Bionetics Inc	31-30681	Microbiological Associates Inc	32-32856
Litton Bionetics Inc	32-30240	Microbiological Associates Inc	33-30445
Litton Bionetics Inc	32-30534	Microbiological Associates Inc	33-30493

Microbiological Associates Inc	33-30494	New York University Medical Center	29-32358
Microbiological Associates Inc	33-30599	New York University Medical Center	29-32681
Microbiological Associates Inc	33-30931	New York University Medical Center	29-32752
Microbiological Associates Inc	33-30932	New York University Medical Center	29-32827
Microbiological Associates Inc	33-31641	New York University Medical Center	30-31647
Microbiological Associates Inc	33-32638	New York University Medical Center	31-30263
Microbiological Associates Inc	34-30858	New York University Medical Center	31-30264
Microbiological Associates Inc	34-30859	New York University Medical Center	31-30265
Microbiological Associates Inc	34-33107	New York University Medical Center	33-31094
Microbiological Associates Inc	34-33108	New York University Medical Center	40-30741
Microbiological Associates Inc	34-33109	New York University Medical Center	40-30741
Microbiological Associates Inc	35-31365	New York University School of Medicine	33-31096
Microbiological Associates Inc	35-32013	North Carolina University of	26-60071
Microbiological Associates Inc	35-32431	North Carolina University of Chapel Hill	26-60024
Microbiological Associates Inc	35-32432	North Carolina University of Chapel Hill	26-60095
Microbiological Associates Inc	35-32433	North Carolina University of School of Medicine	26-60058
Microbiological Associates Inc	35-32479	Oak Ridge National Laboratory	30-31531
Microbiological Associates Inc	35-32480	Oak Ridge National Laboratory	30-31536
Microbiological Associates Inc	35-32481	Oak Ridge National Laboratory	30-31983
Microbiological Associates Inc	35-32482	Oak Ridge National Laboratory	36-31431
Microbiological Associates Inc	36-30043	Ocean Syst. Inc.	26-60039
Microbiological Associates Inc	36-30044	Oceaneering Int.	26-60034
Microbiological Associates Inc	36-30045	Ohio State University	26-60022
Microbiological Associates Inc	36-31429	Ohio State University	26-60023
Microbiological Associates Inc	36-31909	Ohio State University	26-60049
Microbiological Associates Inc	36-31910	Ohio State University Nuclear Reactor Lab	27-32466
Microbiological Associates Inc	36-31911	Oklahoma State University	29-30299
Microbiological Associates Inc	36-31912	Oregon State University	32-32656
Microbiological Associates Inc	36-31913	Pennsylvania University of Inst. Environ. Med.	26-60117
Microbiological Associates Inc	36-32641	Pennzoil Co	39-31651
Microbiological Associates Inc	37-30618	Pharmaco LSR Inc.	41-05416
Microbiological Associates Inc	37-30619	Pharmakon Research International Inc	32-32118
Microbiological Associates Inc	37-30620	Pharmakon Research International Inc	32-32744
Microbiological Associates Inc	37-31149	Primate Research Institute New Mexico State University	32-32653
Microbiological Associates Inc	37-31150	Primate Research Institute New Mexico State University	33-31451
Microbiological Associates Inc	37-31152	Primate Research Institute New Mexico State University	33-32010
Microbiological Associates Inc	37-31487	Primate Research Institute New Mexico State University	34-32865
Microbiological Associates Inc	37-31830	Primate Research Institute New Mexico State University	36-31364
Microbiological Associates Inc	37-32484	Procter & Gamble Co.	32-30409
Milwaukee County Med. Complex	27-30705	Rancho Los Amigos Hospital	26-60029
Mobil Oil Corp.	30-31997	Rancho Los Amigos Hospital	26-60045
Mobil Oil Corp.	32-30420	Rancho Los Amigos Hospital	27-30839
Mobil Oil Corp.	36-33132	Rancho Los Amigos Hospital	27-30841
Mobil Oil Corp.	36-33219	Rancho Los Amigos Hospital	27-30842
MRC Exp. Embryol. Teratol. Unit, MRC Lab	34-32774	Rancho Los Amigos Hospital Inc.	28-33073
National Capital Poison Cent., Georgetown Univ. Hospital	36-31914	Rancho Los Amigos Medical Center Inc	32-32755
National Food Laboratory Inc	40-32424	Research Triangle Institute	26-60051
Nebraska University of College of Medicine	26-60122	Research Triangle Institute	39-33107
Nebraska University of Medical Center	30-31646	Royal Naval Physiological Laboratory	26-60033
New Mexico State University	36-33220	Rutgers Medical School	33-31094
New Orleans University of	32-32651	Saint Luke's Hospital, Milwaukee	26-60042
New York State Psychiatric Inst.	32-30187	San Diego State University	39-31095
New York University	26-60073	Shell Oil Co.	30-31525
New York University	26-60074	Shell Oil Co.	33-31223
New York University	26-60075	Shell Oil Co.	36-33132
New York University	26-60076	Shell Oil Co.	39-31651
New York University	26-60077	South. Calif Edison Co.	32-32502
New York University	26-60078	Southwest Research Institute	26-60057
New York University	26-60121	Springborn Institute for Bioresearch Inc	32-32652
New York University Institute of Environmental Medicine	33-31096	SRI International	30-32006
New York University Medical Center	26-60094	SRI International	30-32007
New York University Medical Center	27-30840	SRI International	30-32008
New York University Medical Center	28-31614	SRI International	30-32077

SRI International	32-31511	Tischler/Kocurek	37-31299
SRI International	32-32406	Tosco Corp.	30-32001
SRI International	32-32407	Toxicology Consulting Services	41-30735
SRI International	33-31751	ToxiGenics Inc.	30-32005
SRI International	33-31826	Tracor, Inc.	26-60119
SRI International	33-32726	TRC Environmental Consultants Inc	33-30589
SRI International	41-30101	TRC Environmental Corp	40-06424
Standard Oil Co. (Indiana)	30-32063	TRC Environmental Corp	41-01257
Standard Oil Co. (Indiana)	32-30414	Tulane University	26-60093
Standard Oil Co. (Indiana)	34-32600	Tulane University	30-32078
Stanford Research Institute	31-30449	U.K. Inst. Cancer Res.	31-30449
Stewart-Todd Assoc.	26-60027	U.S. Air Force Aerospace Med. Res. Lab.	30-31534
Sun Tech Inc.	30-31982	U.S. Air Force Aerospace Med. Res. Lab.	30-31537
Sun Tech Inc.	30-32000	U.S. Air Force Aerospace Med. Res. Lab.	32-30415
Systems Applications Inc.	32-32309	U.S. Air Force Aerospace Med. Res. Lab.	32-30416
Systems Applications Inc.	34-32923	U.S. Environmental Protection Agency	27-30965
Tabershaw/Cooper Associates	26-60104	U.S. National Cancer Institute	26-60122
Tabershaw/Cooper Associates	26-60120	U.S. National Institute for Occupational Safety and Health	26-60037
Tabershaw/Cooper Associates Inc	32-31511	U.S. Naval Medical Research Institute	27-30700
Tabershaw Occupational Medicine Associates, P.A.	26-60120	U.S. Naval Medical Research Institute	30-31533
Tabershaw Occupational Medicine Associates PA	27-32280	U.S. Naval Medical Research Institute	30-31534
Tegeris Laboratories	36-32640	U.S. Naval Medical Research Institute	32-30415
Tegeris Laboratories Inc	32-32743	U.S. Occupational Safety & Health Administration	33-31163
Tegeris Laboratories Inc	32-32747	U.S.V. Pharmaceutical Corp.	26-60054
Tegeris Laboratories Inc	32-32748	Union Carbide Corp., Bushy Run Res.	36-33318
Tegeris Laboratories Inc	32-32751	Union Carbide Corp., Bushy Run Res.	36-33319
Tegeris Laboratories Inc	32-32752	Union Oil Co. of California	26-60063
Tegeris Laboratories Inc	32-32753	Union Oil Co. of California	28-70300
Tegeris Laboratories Inc	33-30442	Universities Associated for Res. & Educ. in Pathology Inc.	32-30418
Tegeris Laboratories Inc	33-30443	Universities Associated for Res. & Educ. in Pathology Inc.	32-30421
Tegeris Laboratories Inc	33-30498	Universities Associated for Res. & Educ. in Pathology Inc.	32-30192
Tegeris Laboratories Inc	33-30499	University of South. Calif. Cancer Cent.	30-31038
Tegeris Laboratories Inc	33-30597	Virginia Polytechnic Institute & State University	26-31781
Tegeris Laboratories Inc	33-30598	Virginia Polytechnic Institute & State University	27-32296
Tegeris Laboratories Inc	33-30747	Washington State University	26-60070
Tegeris Laboratories Inc	33-31097	Washington University of Fisheries Research Institute	26-60001
Tegeris Laboratories Inc	33-31098	Washington University of Fisheries Research Institute	33-30601
Tegeris Laboratories Inc	33-31642	Washington University of Fisheries Research Institute	34-32982
Tegeris Laboratories Inc	33-31695	Washington University of School of Medicine	32-32749
Tegeris Laboratories Inc	33-31696	Washington University of School of Medicine	33-31034
Tegeris Laboratories Inc	35-32430	Washington University of School of Fisheries	34-30590
Tegeris Laboratories Inc	37-31958	Washington University of School of Fisheries	34-32982
Texaco Inc.	26-60093	Washington University of Seattle	30-31994
Texaco Inc.	30-31997	Washington University of Seattle	40-33133
Texaco Inc.	33-31095	Wayne State University	26-60062
Texaco Inc.	39-31651	Wayne State University	26-60064
Texaco Research Center	32-31299	Westpath Laboratories	30-32845
Texas A&M University	26-60002	Willis C. Picking Analytical Laboratory	28-30724
Texas A&M University	26-60002	Wisconsin University of	30-31993
Texas A&M University	26-60030	Witco Corp	39-31651
Texas A&M University	26-60030		
Texas A&M University	26-60055		
Texas A&M University	26-60055		
Texas A&M University	26-60072		
Texas A&M University	26-60072		
Texas A&M University	27-32178		
Texas A&M University	27-32178		
Texas Air Control Bd.	26-60057		
Texas University of	26-60031		
Texas University of	26-60032		
Texas University of	26-60093		
Texas University of	32-30418		
Thomas Jefferson University	26-60054		

SUBJECT INDEX

ACROLEIN

Toxicity Study

A Survey of Eye Irritation and Lachrymation in Relation to Air Pollution (26-60052)

ACRYLONITRILE (REVIEW)

Human exposure assessment

Use of biological monitoring and biomarkers. State-of-the-art review. (40-32427)

AIR POLLUTION

Toxicity Study

A Survey of Eye Irritation and Lachrymation in Relation to Air Pollution (26-60052)

Effects of Oxidant Levels on Selected Health Characteristics of Persons in the Los Angeles Basin. First Annual Report. Volume 1. Data Collection. (26-60079)

ANALYTICAL CHEMISTRY /METHODODOLOGY

A Draft Final Report [by Battelle Columbus Laboratories] on [Its] Development of a Method for Measurement of Heterocyclic [Polynuclear] Analytical Techniques [for Benzene] (26-60075)

Aromatic Compounds [(Hetero-PACs)] in Petroleum Samples (31-31471)

API Project PS-8-GRD-6156/Carcinogenic Potential of Petroleum Hydrocarbons...Preparation and Analysis of Fractions. (29-32615)

API Project PS-8-GST-(989-300) and Project PS-8-GRD (543)/Carcinogenic Potential of Petroleum Hydrocarbons...Polynuclear Aromatics in Petroleum Fractions. (29-32668)

American Petroleum Institute Project PS-22-GRD(840)/ A "Comprehensive Analysis of Petroleum Coke Products" (28-30724)

Analysis of Shale Oils and Downstream Products. (27-33264)

Carcinogenic Potential of Petroleum Cokes and Process Products - 1. Coking Process and Sample Characterization. (30-32002)

Comprehensive Analysis of Shale Oil Products (Revised). (26-60063)

Evaluation of Four Air Sampling Methods Used

for Monitoring Worker Exposure to Gasoline Vapors. (32-30231)

Evaluation of appropriate methodologies for measuring PNA exposures in the petroleum coking environment. (36-30038)

Introduction to Petroleum Hydrocarbons. [An Overview of the] Chemistry and Composition in Relation to Petroleum-Derived Fuels and Solvents. (32-01363)

Monitoring near refineries for airborne chemicals on the SARA [(Superfund Amendments and Reauthorization Act)] Title III Section 313 List--4. A sampling and analytical protocol for selected chemicals in airborne emissions. (40-30724)

Petroleum Hydrocarbon Toxicity Studies--1. Methodology. (26-60082)

Polynuclear aromatic analyses and modified Ames tests on base lube [lubricating] stocks. (36-33219)

Quantitative analysis of benzene by selected ion monitoring/gas chromatography/mass spectrometry. (33-32910)

Studies on the Evaluation of Problems Associated with the Measurement of Low Concentrations of Carboxyhemoglobin. CRC-APRAC Project No. CAPM-26-75. (27-30700)

The Effect of Sampling Duration on the Concentration of Particulate Organics Collected on [Gelman AE] Glass-Fiber Filters (28-31614)

The generation and analytical methods development work for the C₉ aromatic hydrocarbons program. Final report. (35-32077)

[API Project SPS-5-UOC(858/305)] /Comprehensive Analyses of Shale Oil Products: Second Study...Final. (28-70300)

[In] a Program for Upgrading the NO₂ Instrumentation Employed in the 1972 Chattanooga NO₂ Exposure Study (26-60051)

ANTHRALIN

Mutagenicity Study

Characterization of the Effects of Beta-Propiolactone and Anthralin on Transformation of BALB/3T3 Cells. (29-32681)

AQUATIC TOXICITY (FIELD STUDY)

Birds

Field studies on the reproductive effects of oil and emulsion on marine birds. (40-30740)

AQUATIC TOXICITY (LABORATORY STUDY)

Birds

Oil and Related Contaminant Effects on Waterfowl Immune Defenses. (30-31993)

Fish

Effects of Oil and Chemically Dispersed Oil on Selected Marine Biota...A Laboratory Study. (26-60050)

Laboratory Studies on the Effects of Oil on Marine Organisms: An Overview (26-60055)

Oil effects on spawning behavior and reproduction in Pacific herring (*Clupea harengus pallasi*). Final Report (33-30665)

The Effects of Oil on Estuarine Animals: Toxicity, Uptake and Depuration, Respiration. (26-60030)

The effect of Prudhoe Bay crude oil on the homing [success] of coho salmon in marine waters (33-30601)

The toxicity of dispersed and undispersed Prudhoe Bay crude oil fractions to shrimp, fish, and their larvae (33-32871)

Invertebrates

Effects of Oil and Chemically Dispersed Oil on Selected Marine Biota...A Laboratory Study. (26-60050)

Laboratory Studies on the Effects of Oil on Marine Organisms: An Overview (26-60055)

The Effects of Oil on Estuarine Animals: Toxicity, Uptake and Depuration, Respiration. (26-60030)

The Toxicity of Water-Soluble Fractions of Four Test Oils for the Polychaetous Annelids *Neanthes arenaceodentata* and *Capitella capitata*. (26-60002)

The toxicity of dispersed and undispersed Prudhoe Bay crude oil fractions to shrimp, fish, and their larvae (33-32871)

AQUATIC TOXICITY (REVIEW)

Fish

Benzene, Xylene, and Toluene in Aquatic Systems: A Review (27-32296)

Effects of Oil on Aquatic Organisms...A

Review of Selected Literature (29-30299)
Literature review on the effects of oil and oil dispersants on fishes. (40-33133)
Polycyclic Aromatic Hydrocarbons [(PAH)] in the Aquatic Environment: Sources, Fates, and Biological Effects. (27-32178)

Invertebrates

Benzene, Xylene, and Toluene in Aquatic Systems: A Review (27-32296)
Effects of Oil on Aquatic Organisms...A Review of Selected Literature (29-30299)
Phenolics in Aquatic Ecosystems: A Selected Review of Recent [(1950-79)] Literature (26-31781)
Polycyclic Aromatic Hydrocarbons [(PAH)] in the Aquatic Environment: Sources, Fates, and Biological Effects. (27-32178)

ARSENIC (REVIEW)

Toxicity Study

Arsenic. (26-60065)

AUTOMOBILE EXHAUST

Mutagenicity Study

Mutagenicity of Automotive Particulate Exhaust. The Influence of Fuel Extenders, Additives, and Aromatic Content (30-31998)

BARIUM (REVIEW)

Toxicity Study

Barium. (26-60110)

BEHAVIORAL STUDY

Inhalation

A 13 week inhalation study of potential effects of commercial hexane on behavior and neuromorphology in rats. (37-31154)
An acute operant behavior study of inhaled commercial hexane in the Albino rat. (37-31153)
Depressant Effects Associated with the Inhalation of Uncombusted Diesel Vapor (30-32078)
The Effects of n-Octane Exposure on Schedule-Controlled Responding in Mice. (30-32080)

Oral

Behavioral Evaluation of Petroleum Hydrocarbons. (30-32836)

Research Methodology

Validation of Behavioral Studies for Determining Neurotoxicity. Final Report. (31-31472)
Validation of Behavioral Studies for Determining the Toxicity of Petroleum Hydrocarbons. (30-32063)

BENZENE

Analytical Chemistry/Methodology

Quantitative analysis of benzene by selected ion monitoring/gas chromatography/mass spectrometry. (33-32910)

Carcinogenicity Study

Evidence for hematotoxicity and tumorigenesis in rats exposed to 100 ppm benzene (33-31094)

Developmental Study

An Inhalation Teratology Study of Benzene in Rats. (30-32012)
Inhalation Teratology Study in Rats...Benzene. Final Report. (30-30224)

Human Exposure Assessment

Analysis of foods for benzene. (40-32424)
Benzene levels in ambient air and breath of smokers and nonsmokers in urban and pristine environments (33-32727)
Estimation of incremental benzene exposure associated with seven bulk gasoline storage facilities in North Carolina. (40-32761)
Indoor vs. outdoor ambient benzene concentrations: Results of the EPA Total Exposure Assessment [Methodology] (TEAM) study. (35-31189)
Monitoring near refineries for airborne chemical on the SARA [(Superfund Amendments and Reauthorization Act of 1986)] Title III Section 313 list. Volume I...Validated ambient air concentrations around three refineries. (36-32657)
Occupational Exposure to Benzene in the Petroleum and Petrochemical Industries. (30-31525)

Metabolism/Pharmacokinetics

Absorption of petroleum products across the skin of monkey and man. Final report. (37-31827)
Absorption of petroleum products across the skin of the monkey and miniature pig. Annual report (Mar. 15, 1979-Mar. 14, 1980). (33-31034)
Benzene pharmacokinetics and

pharmacodynamics. (36-31431)
Percutaneous Absorption of Benzene (30-31994)
Studies on the absorption of inhaled hydrocarbon vapors. Final report. (34-33036)
The Absorption of Petroleum Products across the Skin of Monkey and Man: Annual Report, Jan. 1, 1984 to Dec. (31-, 1984. (32-32749)
[In-vitro measurements of the] penetration of benzene through human [abdominal] skin (33-31225)

Mutagenicity Study

Evaluation of Micronuclei Frequency in the Peripheral Blood of Male and Female CD-1 Mice Exposed Chemically to Benzene for 90 Days. Final Report. (32-32855)
Inhalation Cytogenetics in Mice and Rats Exposed to Benzene. (30-31996)
Mutagenicity Evaluation of Benzene...Final Report. (26-60092)
[Bio/dynamics Inc. Project No. 79-7342] /A Dominant-Lethal Inhalation Study with Benzene in Rats [and Effects on Male Reproductive Performance]. (28-31211)

Odor and Taste

A 14 day palatability and stability study in mice with benzene administered in drinking water. (37-32486)
A 14 day palatability and stability study in rats with benzene administered in drinking water. (37-32485)

Reproductive Effects

[Bio/dynamics Inc. Project No. 79-2425] /An Inhalation Female Fertility Study with Benzene in Rats (28-31212)
[Bio/dynamics Inc. Project No. 79-7342] /A Dominant-Lethal Inhalation Study with Benzene in Rats [and Effects on Male Reproductive Performance]. (28-31211)

Toxicity Study

A Twelve-Week Inhalation Toxicity Study of Benzene on Seven Species of Animals. Final Report. (27-30765)
Chronic Benzene Toxicology. Final Report. (29-32358)
Five-Day Pilot Inhalation Study in Rats and Mice. Benzene. Final Report. (31-30448)
Serum Immunoglobulin Levels of CD Rats and CD-1 Mice Exposed to Benzene Vapor. Final Report. (30-32848)
The hemotoxicity of inhaled benzene to Sprague-Dawley rats and AKR mice at 300 ppm (33-31096)

BENZENE (REVIEW)*Analytical Chemistry/Methodology*

Analytical Techniques [for Benzene] (26-60075)

Aquatic Toxicity

Benzene, Xylene, and Toluene in Aquatic Systems: A Review (27-32296)

Carcinogenicity Study

Cigarette Smoking, Benzene and Leukemia. (31-31480)

Developmental Effects

[A Review of the Published Literature on] Risks to the Offspring from Parental Occupational Exposures. (27-32467)

Human Exposure Assessment

Use of biological monitoring and biomarkers. State-of-the-art review. (40-32427)

Metabolism/Pharmacokinetics

[A Review of] Benzene Metabolism (26-60076)

Neurotoxicity Study

Neurotoxicity of organic solvents with special reference to the neurobehavioral effects: A [world] literature review (39-30623)

Toxicity Study

Benzene Toxicity. A Critical Evaluation (26-60074)

Cytologic and Cytogenetic Effects of Benzene [on Human Health]. (26-60121)

The Molecular Site of Benzene Toxicity. (26-60078)

[A Review on] Experimental Benzene Intoxication (26-60077)

[A Review on] Hematotoxicity in Humans (26-60073)

BENZO(a)PYRENE*Carcinogenicity study*

Lifetime dermal carcinogenesis bioassay of refinery streams in C₃H/HeJ mice (AP-135R). (36-31364)

The Carcinogenicity of Raw and Spent Oil Shales and Retort Oils. (29-32356)

Twenty-four month dermal carcinogenesis/chronic toxicity screening bioassay of refinery streams in C₃H/HeJ mice (AP-190r). Final Report. (36-33220)

Developmental effects

Evaluation of benzo(a)pyrene in the in-vitro assay for chemical teratogenic potential: Inhibition of proteoglycan synthesis. Final report. (35-31937)

Human embryonic palatal mesenchyme (HEPM) cell growth inhibition assay...S-9 mediated assay [with benzo(a)pyrene]...Final report. (37-30619)

Human embryonic palatal mesenchyme (HEPM) cell growth inhibition assay [of BaP] (36-31913)

Mouse ovarian tumor (MOT) cell attachment assay with benzo(a)pyrene. (37-31149)

Metabolism/pharmacokinetics

Absorption of petroleum products across the skin of the monkey and miniature pig. Annual report (Mar. 15, 1979-Mar. 14, 1980). (33-31034)

Mutagenicity study

Evaluation of benzo(a)pyrene in the in-vitro assay for chemical teratogenic potential: Inhibition of proteoglycan synthesis. Final report. (35-31937)

Mouse ovarian tumor (MOT) cell attachment assay with benzo(a)pyrene. (37-31149)

Toxicity study

Effects of Subchronic Fourteen Day Exposure to Benzopyrene in B6C3F1 Male and Female Mice on Specific Immunological Parameters. Final Report. (30-32850)

Effects of Subchronic Fourteen-Day Exposure to Benzopyrene in B6C3F1 Female Mice on Host Resistance. Final Report [by the Medical College of Virginia]. (32-31512)

Immunotoxicology of benzopyrenes in Fisher 344 rats. Final report. (33-31750)

Twenty-four month dermal carcinogenesis/chronic toxicity screening bioassay of refinery streams in C₃H/HeJ mice (AP-190r). Final Report. (36-33220)

BENZO(a)PYRENE (REVIEW)*Human Exposure Assessment*

Use of biological monitoring and biomarkers. State-of-the-art review. (40-32427)

BENZO(e)PYRENE*Toxicity Study*

Effects of Subchronic Fourteen Day Exposure to Benzopyrene in B6C3F1 Male and Female Mice on Specific Immunological

Parameters. Final Report. (30-32850)

Effects of Subchronic Fourteen-Day Exposure to Benzopyrene in B6C3F1 Female Mice on Host Resistance. Final Report [by the Medical College of Virginia]. (32-31512)

Immunotoxicology of benzopyrenes in Fisher (34-4 rats. Final report. (33-31750)

BUNKER C FUEL OIL*Aquatic Toxicity*

Laboratory Studies on the Effects of Oil on Marine Organisms: An Overview (26-60055)

Oil and Related Contaminant Effects on Waterfowl Immune Defenses. (30-31993)

The Effects of Oil on Estuarine Animals: Toxicity, Uptake and Depuration, Respiration. (26-60030)

The Toxicity of Water-Soluble Fractions of Four Test Oils for the Polychaetous Annelids *Neanthes arenaceodentata* and *Capitella capitata*. (26-60002)

Chemical Countermeasures

Oil and Related Contaminant Effects on Waterfowl Immune Defenses. (30-31993)

Fate and Effects

Laboratory Studies on the Effects of Oil on Marine Organisms: An Overview (26-60055)

The Effects of Oil on Estuarine Animals: Toxicity, Uptake and Depuration, Respiration. (26-60030)

Uptake and Depuration of Specific Hydrocarbons from Oil by the Bi-valves *Rangia cuneata* and *Crassostrea virginica*. (26-60072)

n-BUTANE*Metabolism/Pharmacokinetics*

Studies on the absorption of inhaled hydrocarbon vapors. Final report. (34-33036)

Toxicity Study

The Myocardial Toxicity [to Dogs] of Selected Aliphatic Hydrocarbons, [Including Propane (P), n-Butane, Isobutane, and a Mixture of These Hydrocarbons (A-46), and Mixtures of Isobutane with Methyl Chloroform, Trichloroethylene, Methyl Ethyl Ketone, and Methyl Isobutyl Ketone]. (30-32013)

The absence of hydrocarbon-induced nephropathy in rats exposed subchronically to volatile hydrocarbon mixtures pertinent to gasoline (34-30857)

Thirteen-Week Inhalation Toxicity Study of C₄/C₅ Hydrocarbon Blends in Rats. Final Report. (32-31472)

tert-BUTANOL (REVIEW)

Odor and Taste

[A literature] review of published odor [threshold values (OTVs)] and taste threshold values [(TTVs)] of [the 276] soluble gasoline components (33-30589)

cis-2-BUTENE

Metabolism/Pharmacokinetics

Studies on the absorption of inhaled hydrocarbon [(HC)] vapors. Final report. (34-33036)

2-BUTYNE

Metabolism/Pharmacokinetics

Studies on the absorption of inhaled hydrocarbon vapors. Final report. (34-33036)

C10-C11 ISOPARAFFIN

Toxicity Study

The Effect of Certain Light Hydrocarbons on Kidney Function and Structure in Male Rats. (32-30408)

C9 AROMATIC HYDROCARBONS

Analytical chemistry/Methodology

The generation and analytical methods development work for the C₉ aromatic hydrocarbons program. Final report. (35-32077)

Developmental effects

Inhalation developmental toxicity study in mice with C₉ aromatic hydrocarbons. Final report. (35-31368)

Inhalation reproduction range-finding study in mated rats with C₉ aromatic hydrocarbons. Final report. (35-31367)

Range-finding inhalation toxicity study in mice with C₉ aromatic hydrocarbons. Final report. (35-30937)

Mutagenicity study

Evaluation of C₉ aromatic hydrocarbons for mutagenic potential...Bone marrow cytogenetics test in rats. Final report. (35-30936)

Mutagenicity test on ASTM D-3734 Type I C₉

in the CHO/HGPRT [(Chinese hamster ovary/hypoxanthine-guanine phosphoribosyl transferase)] forward mutation suspension assay. Final Report. (35-30935)

Mutagenicity test on ASTM D-3734 Type I C₉ in an in vitro cytogenetic assay measuring chromosomal aberration frequencies in Chinese hamster ovary (CHO) cells. Final report. (35-30934)

Mutagenicity test on ASTM D-3734 Type I C₉ in an in vitro cytogenetic assay measuring sister chromatid exchange frequencies in Chinese hamster ovary (CHO) cells. Final report. (35-30933)

Mutagenicity test on ASTM D-3734 Type I C₉ in the Ames *Salmonella* /microsome reverse mutation assay. Final report. (35-30932)

Neurotoxicity study

Inhalation neurotoxicity study in rats with C₉ aromatic hydrocarbons. (35-32084)

Reproductive effects

Inhalation reproduction range-finding study in mated rats with C₉ aromatic hydrocarbons. Final report. (35-31367)

Three generation [(F₀, F₁, and F₂)] reproduction/fertility study in rats with C₉ aromatic hydrocarbons. (36-32642)

Research methodology

The generation and analytical methods development work for the C₉ aromatic hydrocarbons program. Final report. (35-32077)

Toxicity study

Range-finding inhalation toxicity study in mice with C₉ aromatic hydrocarbons. Final report. (35-30937)

CADMIUM

Fate and Effects

Bioaccumulation of polycyclic aromatic hydrocarbons and metals in estuarine organisms. (40-30741)

Human Exposure Assessment

The Influence of Trace Metals in Disperse Aerosols on the Human Body Burden of Trace Metals. (27-30840)

CADMIUM (REVIEW)

Toxicity Study

Cadmium: Environmental and Community Health Impact. (32-30599)
Cadmium, Zinc, and Mercury. (26-60115)

CALCIUM SULFATE

Toxicity Study

Study of Synergistic Effects of Certain Airborne Systems in the Cynomolgus Monkey. (27-30704)

CARBON DISULFIDE (REVIEW)

Neurotoxicity Study

Neurotoxicity of organic solvents with special reference to the neurobehavioral effects: A [world] literature review (39-30623)

CARBON MONOXIDE

Cardiopulmonary

The Effect of Carbon Monoxide Inhalation on Induced Ventricular Fibrillation in the Cynomolgus Monkey. (26-60054)

Cardiovascular

The Effects of Chronic Exposure to Low Levels of Carbon Monoxide on the Cardiovascular System of Dogs--1. Exposure to 100 ppm Carbon Monoxide. (26-60105)

Human Exposure Assessment

"Normal" Carboxyhemoglobin Levels of Blood Donors in the U.S. (26-60048)

Carboxyhemoglobin Trend in Chicago Blood Donors, 1970-1974. 2430057)

The Use of Panelists as Substitutes for Taxicab Drivers in Carbon Monoxide Exposure (26-60053)

Toxicity Study

Effects of Oxides of Nitrogen, Carbon Monoxide and Photochemical Oxidants on the [Electrocardiogram] during Exercise and on Cardiopulmonary Function. Final Report (APRAC Project CAPM-21-74). (26-60045)

Experimental Human Exposure to Carbon Monoxide [at Concentrations of < 1, 25, 50, 100, 200, 500 and 1000 ppm for 0.5 to 24 Hr] (26-60001)

Predicting The Carboxyhemoglobin Levels Resulting from Carbon Monoxide

Exposures. (26-60106)
 Study of Synergistic Effects of Certain Airborne Systems in the Cynomolgus Monkey. (27-30704)
 The Effect of a Rapid 4% Carboxyhemoglobin Saturation Increase on Maximal Treadmill Exercise. (26-60043)
 The Effects of Chronic Exposure to Carbon Monoxide (100 Ppm) on the Cardiovascular System of Monkeys. [CRC-APRAC Project No. CAPM-4-68]. (27-30966)
 [In a Two-Year] Investigation of the Effects of Carbon Monoxide on [40] Humans in the Driving Task. (26-60049)

CARBON MONOXIDE (REVIEW)

Toxicity Study

Air Quality Standards for Carbon Monoxide. (26-60062)

CARBON TETRACHLORIDE (REVIEW)

Carcinogenicity study

A Brief Review of [Published Data on] the Toxicity and Carcinogenicity of Select Chlorinated Hydrocarbons. (32-30417)

Toxicity Study

A Brief Review of [Published Data on] the Toxicity and Carcinogenicity of Select Chlorinated Hydrocarbons. (32-30417)

CARBOXYHEMOGLOBIN

Carboxyhemoglobin Trend in St. Louis Blood Donors, 1971-1975. CRC-APRAC Project No. CAPM-8-68. (27-30705)
 Final Report of the Study of the Relationship between Carboxyhemoglobin on Admission to the Subsequent Hospital Course of Patients Admitted to the Myocardial Infarction Research Unit at the Johns Hopkins Hospital. [CRC-APRAC Project No. CAPM-13-69]. (27-30965)
 Studies on the Evaluation of Problems Associated with the Measurement of Low Concentrations of Carboxyhemoglobin. CRC-APRAC Project No. CAPM-26-75. (27-30700)

CARCINOGENICITY STUDY

Dermal

Carcinogenic Potential of Petroleum Coke and Process Products. (30-31598)
 Characterization of the carcinogenic nature of selected low boiling [petroleum] fractions.

Final report. (33-32725)
 Crude petroleum and selected fractions. Skin cancer bioassays. (34-30330)
 Investigation of the Potential Hazards of Cancer of the Skin Associated with the Refining of Petroleum. Final Report. (26-60028)
 Lifetime dermal carcinogenesis/chronic toxicity screening bioassay of [11] refinery streams in C3H/HeJ mice. Twelve-month toxicity evaluation. (34-32865)
 Lifetime dermal carcinogenesis/chronic toxicity screening bioassay of refinery streams in C3H/HeJ mice. Three-month toxicity evaluation report. [Vol. 1-2.] (32-32653)
 Lifetime dermal carcinogenesis/chronic toxicity screening bioassay of refinery streams in C3H/HeJ mice. Three-month toxicity evaluation report. Final report. (33-32010)
 Lifetime dermal carcinogenesis/chronic toxicity screening bioassay of refinery streams in C3H/HeJ mice. Twelve-month toxicity evaluation report. Final report. [Vol. 1-3]. (33-31451)
 Lifetime dermal carcinogenesis bioassay of shale oil-derived streams in C3H/HeJ mice. Final interim report. (33-32009)
 Lifetime dermal carcinogenesis bioassay of refinery streams in C3H/HeJ mice (AP-135R). (36-31364)
 Short-term dermal tumorigenesis study of selected petroleum hydrocarbon [processing fractions] in male CD-1 mice. Initiation and promotion phases [of dermal tumorigenesis]. (36-32643)
 Skin Carcinogenic Potential of Petroleum Hydrocarbons--1. Separation and Characterization of Fractions for Bioassay. (30-31982)
 Skin Carcinogenic Potential of Petroleum Hydrocarbons--2. The Carcinogenesis of Crude Oil, Distillate Fractions and Chemical Class Subfractions. (30-32000)
 Skin Tumorigenesis in Mice by Petroleum Asphalts and Coal Tar Pitches of Known Polynuclear Aromatic Hydrocarbon Content. (26-60122)
 Statistical Analyses of Crude Oil and Shale Oil Carcinogenic Test Data (30-32001)
 Studies on the Toxicity of Petroleum Waxes. (26-60080)
 The Carcinogenic Potential of Key Petroleum Products (30-31646)
 The carcinogenic potential of petroleum cokes and process products - 2. Bioassay. (30-32011)
 The Carcinogenicity of New and Used Lubricants. (30-32847)
 The Carcinogenicity of Raw and Spent Oil Shales and Retort Oils. (29-32356)
 The Determination of the Carcinogenicity of [Shale] Retort Oils and Downstream Products. (30-32849)
 The Evaluation of the Carcinogenicity of

Certain Petroleum Fractions. (32-30964)
 The Evaluation of the Carcinogenicity of Certain Petroleum Hydrocarbon Fractions (Revised: February 1983) with Supplemental Report (Revised: March 1983). (30-32851)
 Twenty-four month dermal carcinogenesis/chronic toxicity screening bioassay of refinery streams in C3H/HeJ mice (AP-190r). Final Report. (36-33220)
 [API Project PS-8] /The Evaluation of the Carcinogenicity of Certain Petroleum Fractions. (27-32132)
 [Thirty-Day] Dermal Carcinogenesis Study of Shale-Derived Hydrocarbon Mixtures [(350-550°F and 550-700°F)] in Mice. (32-30626)

Epidemiology Study

A case-control study of kidney cancer among petroleum refinery workers. Final report. (37-31336)
 Kidney Cancer Epidemiology in Petroleum-Related Studies. (32-30420)

Inhalation

A Chronic Inhalation Study with Unleaded Gasoline Vapor. (32-32227)
 A Final Report [on a] 24 Month Inhalation Toxicity Study of Raw and Spent Shale Dusts in Rats and Monkeys (27-32466)
 An inhalation oncogenicity study of commercial hexane in rats and mice--1. Rats. Final report. (41-33231)
 An inhalation oncogenicity study of commercial hexane in rats and mice--2. Mice. Final report. (41-33232)
 Chronic Gasoline Toxicity [Tests on Laboratory Animals]. (30-31991)
 Evidence for hematotoxicity and tumorigenesis in rats exposed to 100 ppm benzene (33-31094)
 Final Report: The Cancer Incidence among Members of a Heavy Construction Equipment Operators Union with Potential Exposure to Diesel Exhaust Emissions (30-31645)
 Hydrocarbon Toxicity: Acute, Subchronic and Chronic Effects in Relation to Unleaded Gasoline Exposure of Rodents, with Comments on the Significance to Human Health. (32-30192)
 Neoplastic Renal Effects of [Inhaled] Unleaded Gasoline in Fischer (34-4 Rats. (32-30413)

Occupational Health

A case-control study of kidney cancer among petroleum refinery workers. Final report. (37-31336)

Kidney Cancer Epidemiology in Petroleum-Related Studies. (32-30420)

Oral

Studies on the Toxicity of Petroleum Waxes. (26-60080)

Subcutaneous

Studies on the Toxicity of Petroleum Waxes. (26-60080)

Research Methodology

Statistical Evaluations in the Carcinogenesis Bioassay of Petroleum Hydrocarbon. (30-31983)

The Occurrence and Natural History of Experimental Skin Tumors. (30-31999)

Review

A Brief Review of [Published Data on] the Toxicity and Carcinogenicity of Select Chlorinated Hydrocarbons. (32-30417)

Carcinogenic Potential of Petroleum Hydrocarbons. A Critical Review of the Literature (27-30915)

Cigarette Smoking, Benzene and Leukemia. (31-31480)

Gasoline: Insights into the etiology of the development of hepatocellular carcinoma in the mouse. (41-30735)

Hydrocarbon Toxicity: Acute, Subchronic and Chronic Effects in Relation to Unleaded Gasoline Exposure of Rodents, with Comments on the Significance to Human Health. (32-30192)

Investigation of the Potential Hazards of Cancer of the Skin Associated with the Refining of Petroleum. Final Report. (26-60028)

Polycyclic Aromatic Hydrocarbons [(PAHs)] : A Review (28-30174)

Toxicological Characteristics of Refinery Streams Used To Manufacture Lubricating Oils. (31-02438)

[A Review of] the Epidemiology of Renal Carcinoma in Humans with a Note on the Effect of Exposure to Gasoline (32-30418)

CARDIOPULMONARY

Inhalation

The Effect of Carbon Monoxide Inhalation on Induced Ventricular Fibrillation in the Cynomolgus Monkey. (26-60054)

Effects of Sulfate Aerosols upon Cardiopulmonary Function in Squirrel Monkeys. Report of Second Year's Work under APRAC Project CAPM-20-74. (26-60029)

CARDIOVASCULAR

Inhalation

The Effects of Chronic Exposure to Low Levels of Carbon Monoxide on the Cardiovascular System of Dogs--1. Exposure to 100 ppm Carbon Monoxide. (26-60105)

CATALYTIC CRACKED CLARIFIED OIL

Carcinogenicity study

Lifetime dermal carcinogenesis/chronic toxicity screening bioassay of refinery streams in C3H/HeJ mice. Twelve-month toxicity evaluation report. Final report. [Vol. 1-3]. (33-31451)

Lifetime dermal carcinogenesis bioassay of refinery streams in C3H/HeJ mice (AP-135R). (36-31364)

Short-term dermal tumorigenesis study of selected petroleum hydrocarbon [processing fractions] in male CD-1 mice...Initiation and promotion phases [of dermal tumorigenesis]. (36-32643)

Developmental effects

Evaluation of API 81-15 (catalytic cracked clarified oil) in the in-vitro assay for chemical teratogenic potential: Inhibition of proteoglycan synthesis. Final report. (35-31938)

Human embryonic palatal mesenchyme (HEPM) cell growth inhibition assay [of API-81-15 (catalytic cracked clarified oil)]...S-9 mediated assay (36-31910)

The human embryonic palatal mesenchyme (HEPM) cell growth inhibition assay [of API-81-15 (catalytic cracked clarified oil)] (36-31909)

Mutagenicity study

An Evaluation of the Potential of RO-1, 81-15, and PS8-76D5-SAT To Induce Unscheduled DNA Synthesis in Primary Rat Hepatocyte Cultures (32-32407)

An Evaluation of the Potential of RO-1, 81-15, and PS8-76D5-SAT To Induce Unscheduled DNA Synthesis in the In Vivo-In Vitro Hepatocyte DNA Repair Assay (32-32406)

Evaluation of API 81-15 (catalytic cracked clarified oil) in the in-vitro assay for chemical teratogenic potential: Inhibition of proteoglycan synthesis. Final report. (35-31938)

In Vivo Sister Chromatid Exchange Assay, API 81-15, Catalytically Cracked, Clarified Oil (CAS 64741-62-4). Final Report. (32-32754)

Morphological transformation of BALB/3T3

mouse embryo cells. API 81-15, catalytically cracked clarified oil (CAS 64741-62-4). Final report]. (33-32638)

Mouse ovarian tumor (MOT) cell attachment assay with API 81-15: Catalytic cracked clarified oil. Final report. (35-32480)

Mutagenicity Evaluation Studies [of Catalytically Cracked Clarified Oil (API Sample #81-15)] in the Rat Bone Marrow Cytogenetic Assay and in the Mouse Lymphoma Forward Mutation Assay. Final Report. (32-30534)

Sister Chromatid Exchange Assay in Chinese Hamster Ovary (CHO) Cells. API 81-15, Catalytically Cracked, Clarified Oil (CAS 64741-62-4). Final Report. (32-32750)

Toxicity study

A 28-Day Dermal Toxicity Study of API [Catalytic Cracked Clarified Oil] Sample 81-15 in the Rabbit (30-32854)

Acute Toxicity Studies of Catalytically Cracked Clarified Oil, API Sample 81-15. (30-31854)

Dermal Sensitization Study in Guinea Pigs. Closed Patch Technique. Catalytic Cracked Clarified Oil, API Sample 81-15. (31-31417)

Four-week dermal range-finding toxicity study in rats: API 81-15, catalytically cracked clarified oil (CAS 64741-62-4). Final report. (33-30442)

Lifetime dermal carcinogenesis/chronic toxicity screening bioassay of refinery streams in C3H/HeJ mice. Twelve-month toxicity evaluation report. Final report. [Vol. 1-3]. (33-31451)

Lifetime Dermal Carcinogenesis/Chronic Toxicity Screening Bioassay of Refinery Streams in C3H/HeJ Mice. Three-Month Toxicity Evaluation Report. [Vol. 1-2]. (32-32653)

Thirteen Week Dermal Toxicity Study of a Petroleum-Derived Hydrocarbon in Rats: (API 81-15) Catalytically Cracked Clarified Oil (CAS 64741-62-4). Final Report. (32-32743)

CATALYTIC GAS OIL (REVIEW)

Carcinogenicity Study

Investigation of the Potential Hazards of Cancer of the Skin Associated with the Refining of Petroleum. Final Report. (26-60028)

CATALYTIC REFORMED NAPHTHA

Mutagenicity Study

Mutagenicity Evaluation of 83-05 in the Rat Bone Marrow Cytogenetic Assay. Final Report. (32-32289)

Mutagenicity Evaluation of Catalytic Reformed Naphtha, API #83-05, in the Mouse Lymphoma Forward Mutation Assay. Final Report. (32-32459)

Toxicity Study

Acute Inhalation Toxicity Evaluation of a Petroleum-Derived Hydrocarbon in Rats...Full-Range Catalytic Reformed Naphtha. API Sample 83-05. (31-30681)

Dermal sensitization study in guinea pigs [by Hazleton Laboratories America Inc.]: API 83-05 full-range catalytically cracked reformed naphtha (CAS 68955-35-1). Final report. (33-30497)

[A Tegeris Laboratories Inc.] (28-day dermal toxicity study in the rabbit. API 83-05 full range catalytically reformed naphtha (CAS 68955-35-1). [This] final report (33-30598)

[Hazleton Laboratories America Inc.'s] Acute Oral Toxicity Study in Rats, Acute Dermal Toxicity Study in Rabbits, Primary Dermal Irritation Study in Rabbits, and Primary Eye Irritation Study in Rabbits of API 83-05 Full Range Catalytically Reformed Naphtha. (32-31474)

CHEMICAL COUNTERMEASURES (FIELD STUDY)

Sublethal

Field studies on the reproductive effects of oil and emulsion on marine birds. (40-30740)

The Role of Chemical Dispersants in Oil Spill Control. (33-32622)

CHEMICAL COUNTERMEASURES (LABORATORY STUDY)

Sublethal

Effects of crude oil and chemically dispersed oil on chemoreception and homing in Pacific salmon. (34-32982)

Influence of crude oil and dispersant on the ability of coho salmon to differentiate home water from non-home water. (34-30590)

Oil and related Contaminant Effects on Waterfowl Immune Defenses. (30-31993)

CHEMICAL COUNTERMEASURES (REVIEW)

Sublethal

Literature review on the effects of oil and oil dispersants on fishes. (40-33133)

Petroleum in the freshwater environment, An annotated bibliography [covering] 1946-1983. (39-33456)

CHLORINATED DIOXINS (REVIEW)

Toxicity Study

Dioxins and furans...A primer: What they are and how to measure them. (37-31299)

CHLORINATED FURANS (REVIEW)

Toxicity Study

Dioxins and furans...A primer: What they are and how to measure them. (37-31299)

CHLOROFORM (REVIEW)

Carcinogenicity Study

A Brief Review of [Published Data on] the Toxicity and Carcinogenicity of Select Chlorinated Hydrocarbons. (32-30417)

Neurotoxicity Study

Neurophysiological and Psychological Disorders and Occupational Exposure to Organic Solvents. (31-32980)

Toxicity Study

A Brief Review of [Published Data on] the Toxicity and Carcinogenicity of Select Chlorinated Hydrocarbons. (32-30417)

CHROMIUM (REVIEW)

Toxicity Study

Chromium. (26-60113)

COAL TAR PITCH

Carcinogenicity Study

Skin Tumorigenesis in Mice by Petroleum Asphalts and Coal Tar Pitches of Known Polynuclear Aromatic Hydrocarbon Content. (26-60122)

COPPER (REVIEW)

Toxicity Study

Copper. (26-60068)

CRUDE OIL

Analytical Chemistry/Methodology

API Project PS-8-GRD-6156/Carcinogenic Potential of Petroleum Hydrocarbons. Preparation and Analysis of Fractions. (29-32615)

API Project PS-8-GST-(989-300) and Project PS-8-GRD (543)/Carcinogenic Potential of Petroleum Hydrocarbons. Polynuclear Aromatics in Petroleum Fractions. (29-32668)

Aquatic toxicity

Effects of Oil and Chemically Dispersed Oil on Selected Marine Biota...A Laboratory Study. (26-60050)

Field studies on the reproductive effects of oil and emulsion on marine birds. (40-30740)

Laboratory Studies on the Effects of Oil on Marine Organisms: An Overview (26-60055)

Oil and Related Contaminant Effects on Waterfowl Immune Defenses. (30-31993)

Oil effects on spawning behavior and reproduction in Pacific herring (*Clupea harengus pallasii*). Final Report (33-30665)

The effect of Prudhoe Bay crude oil on the homing [success] of coho salmon in marine waters (33-30601)

The Effects of Oil on Estuarine Animals: Toxicity, Uptake and Depuration, Respiration. (26-60030)

The Toxicity of Water-Soluble Fractions of Four Test Oils for the Polychaetous Annelids *Neanthes arenaceodentata* and *Capitella capitata*. (26-60002)

Carcinogenicity study

Crude petroleum and selected fractions. Skin cancer bioassays. (34-30330)

Skin Carcinogenic Potential of Petroleum Hydrocarbons--2. The Carcinogenesis of Crude Oil, Distillate Fractions and Chemical Class Subfractions. (30-32000)

Skin Carcinogenic Potential of Petroleum Hydrocarbons--1. Separation and Characterization of Fractions for Bioassay. (30-31982)

Statistical Analyses of Crude Oil and Shale Oil Carcinogenic Test Data. (30-32001)

The Evaluation of the Carcinogenicity of Certain Petroleum Hydrocarbon Fractions (Revised: February 1983) with Supplemental Report (Revised: March 1983). (30-32851)

[API Project PS-8] /The Evaluation of the Carcinogenicity of Certain Petroleum Fractions. (27-32132)

[Thirty-Day] Dermal Carcinogenesis Study of Shale-Derived Hydrocarbon Mixtures

[(350-550 °F and 550-700 °F)] in Mice. (32-30626)

Chemical countermeasures

Effects of crude oil and chemically dispersed oil on chemoreception and homing in Pacific salmon. (34-32982)
Field studies on the reproductive effects of oil and emulsion on marine birds. (40-30740)
Influence of crude oil and dispersant on the ability of coho salmon to differentiate home water from non-home water. (34-30590)
Oil and Related Contaminant Effects on Waterfowl Immune Defenses. (30-31993)
The Role of Chemical Dispersants in Oil Spill Control. (33-32622)

Fate and Effects

Uptake and Depuration of Specific Hydrocarbons from Oil by the Bi-Valves Rangia cuneata and Crassostrea virginica. (26-60072)

Metabolism/Pharmacokinetics

Absorption of petroleum products across the skin of the monkey and miniature pig. Annual report (Mar. 15, 1979-Mar. 14, 1980). (33-31034)
The Induction of Xenobiotic Metabolism in Rats on Exposure to Hydrocarbon-Based Oils. (30-31995)

Research Methodology

Lack of Concordance of the *Salmonella* Microsome Assay with the Mouse Dermal Carcinogenesis Bioassay for Complex Petroleum Hydrocarbon Mixtures. (32-31299)

CRUDE OIL (REVIEW)

Aquatic Toxicity

Petroleum in the freshwater environment...An annotated bibliography [covering] 1946-1983. (39-33456)

CRUDE OIL FRACTION

Analytical Chemistry/Methodology

API Project PS-8-GRD-6156/Carcinogenic Potential of Petroleum Hydrocarbons. Preparation and Analysis of Fractions. (29-32615)
API Project PS-8-GST-(989-300) and Project PS-8-GRD (543)/Carcinogenic Potential of Petroleum Hydrocarbons. Polynuclear Aromatics in Petroleum Fractions. (29-32668)

Aquatic Toxicity

The toxicity of dispersed and undispersed Prudhoe Bay crude oil fractions to shrimp, fish, and their larvae (33-32871)

Carcinogenicity Study

Characterization of the carcinogenic nature of selected low boiling [petroleum] fractions. Final report. (33-32725)
Crude petroleum and selected fractions. Skin cancer bioassays. (34-30330)
Skin Carcinogenic Potential of Petroleum Hydrocarbons--2. The Carcinogenesis of Crude Oil, Distillate Fractions and Chemical Class Subfractions. (30-32000)
The Evaluation of the Carcinogenicity of Certain Petroleum Fractions. (32-30964)
The Evaluation of the Carcinogenicity of Certain Petroleum Hydrocarbon Fractions (Revised: February 1983) with Supplemental Report (Revised: March 1983). (30-32851)
[API Project PS-8] /The Evaluation of the Carcinogenicity of Certain Petroleum Fractions. (27-32132)

Mutagenicity Study

Adapting the Ames Salmonella Assay to Complex Hydrocarbon Mixtures. Final Report. (32-32856)
An Evaluation of the Potential of RO-1, 81-15, and PS8-76D5-SAT To Induce Unscheduled DNA Synthesis in Primary Rat Hepatocyte Cultures (32-32407)
An Evaluation of the Potential of RO-1, 81-15, and PS8-76D5-SAT To Induce Unscheduled DNA Synthesis in the In Vivo-In Vitro Hepatocyte DNA Repair Assay (32-32406)
An in-vivo sister chromatid exchange assay of API PS-8-76D5-ARO, aromatic subtraction of 700-1070 °F boiling range fraction of a crude oil. (35-32013)
Evaluation of Techniques for Mutagenicity Screening of Petroleum Hydrocarbons. (30-31588)
Evaluation of the potential of PS-8-76D5-ARO to induce unscheduled DNA synthesis in the in-vivo/in-vitro hepatocyte DNA repair assay. Final report [by SRI International]. (33-31826)
Evaluation of the potential of PS-8-76D5-ARO to induce unscheduled DNA synthesis in primary rat hepatocyte cultures. Final report [by SRI International]. (33-31751)
Final Report: Testing of API Petroleum Fractions for Genotoxicity in C3H/10T1/2 Cells. (30-31038)
In-vivo sister chromatid exchange assay. API PS8-76D5 saturates. Final report. (33-30932)

Morphological transformation of BALB/3T3 mouse embryo cells. API PS-8-76C2. Final report. (34-30859)
Morphological transformation of BALB/3T3 mouse embryo cells. API PS-8-76D5 ARO. Final report. (34-30858)
Mutagenicity Evaluation of Six Petroleum Substances in an In-Vivo/In-Vitro Urine Assay. (30-31037)
Salmonella/mammalian-microsome plate incorporation mutagenicity assay (Ames test). Final report. (33-30599)
Sister Chromatid Exchange Assay in Chinese Hamster Ovary (CHO) Cells [Exposed to] PS-8-D5-Saturates. Final Report. (32-32731)
Sister chromatid exchange assay in Chinese hamster ovary (CHO) cells. API PS-8-76D5 aromatics. Final report [by Microbiological Associates Inc.]. (33-30931)

Research Methodology

Lack of Concordance of the *Salmonella* Microsome Assay with the Mouse Dermal Carcinogenesis Bioassay for Complex Petroleum Hydrocarbon Mixtures. (32-31299)

CRUDE OIL, HIGH-NITROGEN

Carcinogenicity study

[Thirty-Day] Dermal Carcinogenesis Study of Shale-Derived Hydrocarbon Mixtures [(350-550 °F and 550-700 °F)] in Mice. (32-30626)

Toxicity Study

Twenty-Eight Day Subchronic Dermal Toxicity Study in Rats: API-HNC-1 (High-Nitrogen, [0.77%], Crude Oil); API-SFP-105 (0.05% N, Hydrotreated Shale Oil); API-SFP-119 (0.19% N, Hydrotreated Shale Oil); API-SFP-206 (0.06% N, Hydrotreated Shale Oil); API-SFR-1 ([1.6% N], Raw Shale Oil); API-SFR-2 ([2.1% N], Raw Shale Oil). (32-32652)

CYCLOHEXANE

Mutagenicity study

Mutagenicity Evaluation of Certified Cyclohexane. Final Report. (29-32357)

CYCLOPHOSPHAMIDE

Research methodology

Dealing with uncertainties in a biologically based risk assessment model of

cyclophosphamide-induced leukemogenesis. (41-32131)

Risk assessment

Dealing with uncertainties in a biologically based risk assessment model of cyclophosphamide-induced leukemogenesis. (41-32131)

DECALIN

Toxicity Study

Pathologic Findings in Laboratory Animals Exposed to Hydrocarbon Fuels of Military Interest. (32-30416)

The Pathogenesis of the Nephrotoxicity of Volatile Hydrocarbons in the Male Rat. (32-30409)

DECANE

Toxicity Study

Final Report. A four-week oral nephrotoxicity screening study in male F344 rats (33-31097)

DEVELOPMENTAL EFFECTS

HEPM cell growth inhibition assay)

Human embryonic palatal mesenchyme (HEPM) cell growth inhibition assay [with toluene]...Final report. (37-30618)

Human embryonic palatal mesenchyme (HEPM) cell growth inhibition assay...S-9 mediated assay [with benzo(a)pyrene (BaP)]...Final report. (37-30619)

Human embryonic palatal mesenchyme (HEPM) cell growth inhibition assay...S-9 mediated assay [with toluene]...Final report. (37-30620)

Human embryonic palatal mesenchyme (HEPM) cell growth inhibition assay [of BaP] (36-31913)

Human embryonic palatal mesenchyme (HEPM) cell growth inhibition assay [of API-86-02 (a dark viscous petroleum liquid)]...S-9 mediated assay (36-31912)

Human embryonic palatal mesenchyme (HEPM) cell growth inhibition assay [of API-81-15 (catalytic cracked clarified oil)]...S-9 mediated assay (36-31910)

Human embryonic palatal mesenchyme (HEPM) cell growth inhibition assay [of API-86-02 (a dark viscous petroleum liquid)] (36-31911)

The human embryonic palatal mesenchyme (HEPM) cell growth inhibition assay [of API-81-15 (catalytic cracked clarified oil)] (36-31909)

In vitro

Human embryonic palatal mesenchyme (HEPM) cell growth inhibition assay [with toluene]...Final report. (37-30618)

Human embryonic palatal mesenchyme (HEPM) cell growth inhibition assay...S-9 mediated assay [with benzo(a)pyrene (BaP)]...Final report. (37-30619)

Human embryonic palatal mesenchyme (HEPM) cell growth inhibition assay...S-9 mediated assay [with toluene]...Final report. (37-30620)

Human embryonic palatal mesenchyme (HEPM) cell growth inhibition assay [of BaP] (36-31913)

Human embryonic palatal mesenchyme (HEPM) cell growth inhibition assay [of API-86-02 (a dark viscous petroleum liquid)]...S-9 mediated assay (36-31912)

Human embryonic palatal mesenchyme (HEPM) cell growth inhibition assay [of API-81-15 (catalytic cracked clarified oil)]...S-9 mediated assay (36-31910)

Human embryonic palatal mesenchyme (HEPM) cell growth inhibition assay [of API-86-02 (a dark viscous petroleum liquid)] (36-31911)

The human embryonic palatal mesenchyme (HEPM) cell growth inhibition assay [of API-81-15 (catalytic cracked clarified oil)] (36-31909)

Inhalation

A preliminary study of the effect of toluene on pregnancy [and in utero development] of the rat. (Inhalation exposure). (40-32425)

A single-generation inhalation reproduction/fertility study on a commercial hexane (33-32864)

A Single-Generation Inhalation Reproduction/Fertility Study in Rats with Methyl t-Butyl Ether (MTBE). (32-30239)

A teratology evaluation of methyl tertiary butyl ether in rats and mice (33-31095)

An Inhalation Teratology Study of Benzene in Rats. (30-32012)

An Inhalation Teratology Study in Rats with Methyl t-Butyl Ether (MTBE). (32-30236)

An Inhalation Teratology Study in Mice with Methyl t-Butyl Ether (MTBE). (32-30237)

Developmental toxicity study of commercial hexane vapor in CD(TM) (Sprague-Dawley) rats. (36-33319)

Developmental toxicity study of commercial hexane vapor in CD(TM)-1 mice. (36-33318)

Final Report, April 17, 1991. Commercial hexane test rule, 40 CFR 799.2155. Two-generation reproduction study of inhaled commercial hexane in CD(TM) (Sprague-Dawley) rats. (38-31216)

Final Report, April 17, 1991. Commercial

hexane test rule, 40 CFR 799.2155. Two-Generation reproduction study of inhaled commercial hexane in CD(TM) (Sprague-Dawley) rats. (38-31217)

Inhalation developmental toxicity study in mice with C₆ aromatic hydrocarbons. Final report. (35-31368)

Inhalation reproduction range-finding study in mated rats with C₆ aromatic hydrocarbons. Final report. (35-31367)

Inhalation Teratology of Jet Fuel A, Fuel Oil, and Petroleum Naphtha in Rats. (30-32003)

Inhalation Teratology Study in Rats...Benzene. Final Report. (30-30224)

Inhalation/Teratolgy Study in Rats. Fuel Oil. Final Report. (27-30483)

Inhalation/Teratolgy Study in Rats. VM and P Naphtha. Final Report. (27-30484)

Inhalation/Teratolgy Study in Rats. Jet Fuel A. Final Report. (27-32173)

Parental and Fetal Reproduction Inhalation Toxicity Study, in Rats, with Mixed Xylenes. Final Report. [Vol. I & II]. (31-31481)

Range-finding inhalation toxicity study in mice with C₆ aromatic hydrocarbons. Final report. (35-30937)

Teratology Studies in Rats. Raw Shale Dust. Final Report. (26-60007)

Teratology study in Rats. Stoddard Solvent. Final Report. (26-60026)

Teratology Study in Rats. High-Aromatic Solvent. Final Report. (27-32176)

Teratology Study in Rats. Rubber Solvent. Final Report. (26-60015)

Teratology Study in Rats. Toluene. Final Report. (26-60019)

Teratology Study in Rats. Unleaded Gasoline. Final Report. (26-60014)

Teratology Study in Rats. Xylene. Final Report. (26-60013)

Teratology Study in Rats. Retorted Shale Dust. Final Report. (26-60008)

Teratology Study in Rats. Shale Oil R03. Final Report [on LBI Project No. 20726-R03]. (27-32127)

Teratology Study in Rats. n-Hexane. Final Report. (27-32177)

Teratology Study in Rats. Shale Oil R04. Final Report [on LBI Project 20726-R04]. (27-32128)

Teratology Study in Rats. Kerosene. Final Report. (27-32175)

Teratology Study in Rats. Shale Oil R01. Final Report [on LBI Project No. 20726-R01]. (27-32129)

Teratology Study in Rats. Diesel Fuel. Final Report. (27-32174)

Toluene...The effect on pregnancy [and in utero development] of the rat. (Inhalation exposure). (40-32426)

Two-Generation Inhalation Reproduction/Fertility Study on a Petroleum-Derived

Hydrocarbon, Toluene [Vol. 1]. (32-32854)

Mouse embryo limb bud

Evaluation of API 86-02 (solvent refined coal distillate) in the in-vitro assay for chemical teratogenic potential: Inhibition of proteoglycan synthesis. Final report. (35-31936)

Evaluation of API 81-15 (catalytic cracked clarified oil) in the in-vitro assay for chemical teratogenic potential: Inhibition of proteoglycan synthesis. Final report. (35-31938)

Evaluation of benzo(a)pyrene in the in-vitro assay for chemical teratogenic potential: Inhibition of proteoglycan synthesis. Final report. (35-31937)

Evaluation of toluene in the in-vitro assay for chemical teratogenic potential: Inhibition of proteoglycan synthesis. Final report. (35-31939)

Mouse ovarian tumor cell attachment assay

Mouse ovarian tumor (MOT) cell attachment assay with API 81-15: Catalytic cracked clarified oil. Final report. (32-32480)

Mouse ovarian tumor (MOT) cell attachment assay with API 86-02: Solvent refined coal distillate. Final report. (32-32481)

Mouse ovarian tumor (MOT) cell attachment assay with benzo(a)pyrene. (37-31149)

Mouse ovarian tumor (MOT) cell attachment assay with toluene. (37-31150)

Research Methodology

Teratogenicity testing in vitro: Status of validation studies. (34-32774)

Review

[A Review of the Published Literature on] Risks to the Offspring from Parental Occupational Exposures. (27-32467)

DIESEL EXHAUST EMISSIONS

Carcinogenicity Study

Final Report: The Cancer Incidence among Members of a Heavy Construction Equipment Operators Union with Potential Exposure to Diesel Exhaust Emissions (30-31645)

Epidemiology Study

Final Report: A Comparison of SMR, PMR, and PCMR [(Standardized Mortality Ratios, Proportionate Mortality Ratios, and Proportionate Center Mortality Ratios)] in

a Cohort of [Heavy Equipment Operator] Union Members, Potentially Exposed to Diesel Exhaust Emissions (30-31639)

Final Report: The Cancer Incidence among Members of a Heavy Construction Equipment Operators Union with Potential Exposure to Diesel Exhaust Emissions (30-31645)

Final Report: The Mortality among Members of a Heavy Construction Equipment Operators Union with Potential Exposure to Diesel Exhaust Emissions (30-31644)

DIESEL FUEL

Behavioral Study

Depressant Effects Associated with the Inhalation of Uncombusted Diesel Vapor (30-32078)

Carcinogenicity Study

The Carcinogenic Potential of Key Petroleum Products (30-31646)

Developmental Study

Teratology Study in Rats. Diesel Fuel. Final Report. (27-32174)

Epidemiology Study

A Mortality Study of Petroleum Refinery Workers. (26-60120)

Mutagenicity Study

Mutagenicity Evaluation of Diesel Fuel. (26-60102)

Mutagenicity Evaluation of Petroleum Hydrocarbons. (30-31997)

[Litton Bionetics Inc. Project No. 21141-04] /Mutagenicity Evaluation of Diesel Fuel in the Mouse Dominant Lethal Assay. Final Report. (28-31346)

Reproductive Effects

[Litton Bionetics Inc. Project No. 21141-04] /Mutagenicity Evaluation of Diesel Fuel in the Mouse Dominant Lethal Assay. Final Report. (28-31346)

Toxicity Study

The Acute Toxicology of Selected Petroleum Hydrocarbons. (30-31530)

[A Series of Nine] Inhalation Exposures of [Sprague-Dawley] Rats to Aerosolized Diesel Fuel (30-31531)

[Project No. 1443] /Acute Toxicity Tests...API 79-6 Diesel Fuel (Marketplace Sample). (27-32817)

DIESEL FUEL (REVIEW)

Toxicity Study

A Review of the Human Kidney Effects of Hydrocarbon Exposure (32-30410)

DIESEL FUEL MARINE

Toxicity Study

Pathologic Findings in Laboratory Animals Exposed to Hydrocarbon Fuels of Military Interest. (32-30416)

Toxicology of Mixed Distillate and High-Energy Synthetic Fuels. (32-30415)

2,3-DIMETHYLBUTANE

Mutagenicity Study

The L5178Y TK+/- mouse lymphoma mutagenesis assay with 2,3-dimethylbutane. Final report. (34-33109)

Toxicity Study

Four-Week Oral Nephrotoxicity Screening Study in Male F344 Rats [by Borriston Laboratories Inc.]. Final Report. (32-30966)

2,3-DIMETHYLDECANE

Toxicity Study

Final Report. A four-week oral nephrotoxicity screening study in male F344 rats (33-31097)

2,3-DIMETHYLOCTANE

Toxicity Study

Final Report. A four-week oral nephrotoxicity screening study in male F344 rats (33-31097)

2,3-DIMETHYLPENTANE

Metabolism/Pharmacokinetics

Studies on the absorption of inhaled hydrocarbon vapors. Final report. (34-33036)

Toxicity Study

Four-Week Oral Nephrotoxicity Screening Study in Male F344 Rats [by Borriston Laboratories Inc.]. Final Report. (32-30966)

2,2-DIMETHYLPROPANE*Metabolism/Pharmacokinetics*

Studies on the absorption of inhaled hydrocarbon vapors. Final report. (34-33036)

ETBE*Odor and Taste*

Odor threshold studies performed with gasoline and gasoline combined with MTBE, ETBE, and TAME. (41-01257)

EPIDEMIOLOGY STUDY

A Health Survey of Petroleum Asphalt Workers. (26-60093)

A Morbidity Study of Petroleum Refinery Workers (26-60104)

A Mortality Study of Petroleum Refinery Workers. (26-60120)

A case-control study of kidney cancer among petroleum refinery workers. Final report. (37-31336)

A mortality study of marketing and marine distribution workers with potential exposure to gasoline in the petroleum industry. (39-33438)

A nested case-control study of kidney cancer, leukemia and multiple myeloma in a cohort of land-based terminal workers exposed to gasoline in the petroleum industry. (41-32613)

An Evaluation of the Significance of Experimental Hydrocarbon Toxicity to Man. (32-30421)

An exposure assessment for marketing and marine distribution workers in the petroleum industry with potential exposure to gasoline (41-31765)

An update of a mortality study of workers in petroleum refineries (33-32726)

Assessment of the Healthy Worker Effect. Final Report. (31-30449)

Final Report of the Study of the Relationship between Carboxyhemoglobin on Admission to the Subsequent Hospital Course of Patients Admitted to the Myocardial Infarction Research Unit at the Johns Hopkins Hospital. (27-30965)

Final Report: A Comparison of SMR, PMR, and PCMR [(Standardized Mortality Ratios, Proportionate Mortality Ratios, and Proportionate Center Mortality Ratios)] in a Cohort of [Heavy Equipment Operator] Union Members, Potentially Exposed to Diesel Exhaust Emissions (30-31639)

Final Report: The Cancer Incidence among Members of a Heavy Construction Equipment Operators Union with Potential Exposure to Diesel Exhaust Emissions (30-31645)

Final Report: The Mortality among Members of a Heavy Construction Equipment Operators Union with Potential Exposure to Diesel Exhaust Emissions (30-31644)

Job code classification system--2. Production operations and marketing/transportation operations (33-30051)

Kidney Cancer Epidemiology in Petroleum-Related Studies. (32-30420)

Risk Factors from a Population-Based Case-Control Study of Renal Cancer. (32-30419)

Second Follow-Up Update, Independent Verification of Vital Status, and Clarification of Cohort Definition and Initial Data Collection of OH-1 Cohort. (32-31511)

ETHANOL*Behavioral Study*

Behavioral Evaluation of Petroleum Hydrocarbons. (30-32836)

ETHANOL (REVIEW)*Odor and Taste*

[A literature] review of published odor and taste threshold values of [the 276] soluble gasoline components. (33-30589)

ETHYLBENZENE*Human Exposure Assessment*

Exposure data on C₇ and C₈ aromatics during handling and production of motor gasolines. (33-31598)

Metabolism/Pharmacokinetics

[Studies of the] Absorption, Distribution, and Excretion of Ethylbenzene, Ethylcyclohexane, and Methyl ethylbenzene Isomers in Rats (27-31528)

ETHYLCYCLOHEXANE*Metabolism/Pharmacokinetics*

[Studies of the] Absorption, Distribution, and Excretion of Ethylbenzene, Ethylcyclohexane, and Methyl ethylbenzene Isomers in Rats (27-31528)

ETHYLENE DICHLORIDE (REVIEW)*Neurotoxicity Study*

Neurophysiological and Psychological Disorders and Occupational Exposure to Organic Solvents. (31-32980)

FATE AND EFFECTS (LABORATORY STUDY)*Animal Behavior*

Effects of crude oil and chemically dispersed oil on chemoreception and homing in Pacific salmon. (34-32982)

Influence of crude oil and dispersant on the ability of coho salmon to differentiate home water from non-home water. (34-30590)

Bioaccumulation

Bioaccumulation of polycyclic aromatic hydrocarbons and metals in estuarine organisms. (40-30741)

Laboratory Studies on the Effects of Oil on Marine Organisms: An Overview (26-60055)

The Effects of Oil on Estuarine Animals: Toxicity, Uptake and Depuration, Respiration. (26-60030)

Uptake and Depuration of Specific Hydrocarbons from Oil by the Bi-valves *Rangia cuneata* and *Crassostrea Virginica*. (26-60072)

FATE AND EFFECTS (REVIEW)*Diseases*

Cancerous Diseases in Aquatic Animals and Their Association with Environmental Pollutants: A Critical Review of the Literature (32-32656)

Oil Spills

Petroleum in the freshwater environment...An annotated bibliography [covering] 1946-1983. (39-33456)

Review of natural resource damage assessments in freshwater environments. Task 2. Effects of oil releases into freshwater habitats. (39-31089)

FLUORANTHENE*Fate and Effects*

Bioaccumulation of polycyclic aromatic hydrocarbons and metals in estuarine organisms. (40-30741)

FLUORINE (REVIEW)*Toxicity Study*

Fluorosis of Livestock. (26-60107)

FORMALDEHYDE

220-280 °F distillate fraction of unleaded gasoline (34-33108)

Toxicity Study

A Survey of Eye Irritation and Lachrymation in Relation to Air Pollution (26-60052)

FUEL OILS (REVIEW)*Fate and Effects*

Petroleum in the freshwater environment...An annotated bibliography [covering] 1946-1983. (39-33456)

FULL-RANGE ALKYLATE NAPHTHA*Toxicity Study*

Renal Toxicity of [Vapors of] Gasoline and Related Petroleum Naphthas in Male Rats. (32-30414)

GASOLINE (REVIEW)*Carcinogenicity Study*

[A Review of] the Epidemiology of Renal Carcinoma in Humans with a Note on the Effect of Exposure to Gasoline (32-30418)

Fate and Effects

Petroleum in the freshwater environment...An annotated bibliography [covering] 1946-1983. (39-33456)

Occupational Health

[Seven] Epidemiologic Studies of the Role of Gasoline (Hydrocarbon) Exposure in Kidney Cancer Risk (32-30411)

Toxicity Study

A Review of the Human Kidney Effects of Hydrocarbon Exposure (32-30410)

Clinical toxicology of the acute ingestion of methanol/hydrocarbon blends. A state-of-the-art review. (39-31093)

The Renal Effects of Petroleum Hydrocarbons. Symp. (Boston 7/18-20/83) (32-01362)

GASOLINE TEST FRACTION*Carcinogenicity Study*

The Carcinogenic Potential of Key Petroleum Products. (30-31646)

Mutagenicity Study

[This final report on] the L5178Y TK+/- mouse lymphoma mutagenesis assay with API

GASOLINE TEST FRACTION, UNLEADED*Toxicity Study*

Four-Week Oral Nephrotoxicity Screening Study in Male F344 Rats [by Borriston Laboratories Inc.]. Final Report. (32-30966)

Hydrocarbon nephropathy in male rats: Identification of the nephrotoxic components of unleaded gasoline (33-31098)

Thirteen-Week Inhalation Toxicity Study of a 0 to 145 °F Gasoline Distillate Fraction in Rats. Final Report. (32-32405)

GASOLINE TEST FRACTION, UNLEADED (REVIEW)*Odor and Taste*

[A literature] review of published odor and taste threshold values of [the 276] soluble gasoline components (33-30589)

GASOLINE, LEADED*Epidemiology Study*

A mortality study of marketing and marine distribution workers with potential exposure to gasoline in the petroleum industry. (39-33438)

A nested case-control study of kidney cancer, leukemia and multiple myeloma in a cohort of land-based terminal workers exposed to gasoline in the petroleum industry. (41-32613)

An exposure assessment for marketing and marine distribution workers in the petroleum industry with potential exposure to gasoline (41-31765)

Human Exposure Assessment

An exposure assessment for marketing and marine distribution workers in the petroleum industry with potential exposure to gasoline (41-31765)

Occupational Health

A mortality study of marketing and marine distribution workers with potential exposure to gasoline in the petroleum industry. (39-33438)

A nested case-control study of kidney cancer, leukemia and multiple myeloma in a cohort of land-based terminal workers exposed to gasoline in the petroleum industry. (41-32613)

Toxicity Study

The Evaluation of the Three-Month Inhalation Toxicity of Two Motor Fuels (27-32610)

GASOLINE, LEADED (REVIEW)*Toxicity Study*

Xenobiotic-Induced Kidney Lesions: Hydrocarbons. [A Synopsis of] the 90-Day and 2-Year Gasoline Studies. (32-30412)

GASOLINE, UNLEADED*Analytical Chemistry/Methodology*

Evaluation of Four Air Sampling Methods Used for Monitoring Worker Exposure to Gasoline Vapors. (32-30231)

Carcinogenicity study

A Chronic Inhalation Study with Unleaded Gasoline Vapor. (32-32227)

Chronic Gasoline Toxicity [Tests on Laboratory Animals]. (30-31991)

Lifetime Dermal Carcinogenesis/Chronic Toxicity Screening Bioassay of Refinery Streams in C3H/HeJ Mice. Three-Month Toxicity Evaluation Report. [Vol. 1-2]. (32-32653)

Lifetime dermal carcinogenesis/chronic toxicity screening bioassay of refinery streams in C3H/HeJ mice. Twelve-month toxicity evaluation report. Final report. [Vol. 1-3]. (33-31451)

Lifetime dermal carcinogenesis bioassay of refinery streams in C3H/HeJ mice (AP-135R). (36-31364)

Neoplastic Renal Effects of [Inhaled] Unleaded Gasoline in Fischer 344 Rats. (32-30413)

The Carcinogenic Potential of Key Petroleum Products. (30-31646)

Developmental effects

Teratology Study in Rats. Unleaded Gasoline. Final Report. (26-60014)

Epidemiology study

A mortality study of marketing and marine distribution workers with potential exposure to gasoline in the petroleum industry. (39-33438)

A nested case-control study of kidney cancer, leukemia and multiple myeloma in a cohort of land-based terminal workers exposed to gasoline in the petroleum industry. (41-32613)

An exposure assessment for marketing and marine distribution workers in the

petroleum industry with potential exposure to gasoline. (41-31765)

Human exposure assessment

- A survey and analysis of liquid gasoline released to the environment during vehicle refueling at service stations. (40-30807)
- Acute exposure to methanol in fuels: A prediction of ingestion incidence and toxicity. (36-31914)
- An exposure assessment for marketing and marine distribution workers in the petroleum industry with potential exposure to gasoline. (41-31765)
- Gasoline vapor exposure assessment at service stations. (40-31953)

Metabolism/Pharmacokinetics

- [In-vitro measurements of the] penetration of benzene through human [abdominal] skin. (33-31225)

Mutagenicity study

- Mutagenicity Evaluation of Petroleum Hydrocarbons. (30-31997)
- Mutagenicity Evaluation of Unleaded Gasoline: Final Report. (28-30173)
- Rat Bone Marrow Cytogenetic Analysis [for] Unleaded Gasoline. Final Report. (26-60099)
- Unscheduled DNA synthesis in rat primary hepatocytes with PS-6 unleaded gasoline, its evaporation residue, and a DMSO (dimethylsulfoxide) extract. (35-32431)
- [Litton Bionetics Inc. Project No. 21141-02] /Mutagenicity Evaluation of Gasoline, API PS-6 Fuel (Unleaded) in the Mouse Dominant Lethal Assay. Final Report. (28-31344)

Neurotoxicity study

- An Experimental Evaluation of Selected Petrochemicals for Subchronic Neurotoxic Properties. (30-32004)
- Histopathological Analysis of Spinal Cord of Animals Exposed to Gasoline. Final Report. (30-30225)

Odor and Taste

- Odor threshold studies performed with gasoline and gasoline combined with MTBE, ETBE, and TAME. (41-01257)

Reproductive effects

- [Litton Bionetics Inc. Proj. No. 21141-02] /Mutagenicity Evaluation of Gasoline, API PS-6 Fuel (Unleaded) in the Mouse

Dominant Lethal Assay. Final Report. (28-31344)

Research methodology

- Feasibility Analysis for an Historical Prospective Mortality Study of Employees Exposed to Downstream Gasoline in the Petroleum Industry. Final Report. (32-32565)
- Feasibility of Case-Control Studies of Kidney Cancer and Hydrocarbon Exposure among Petroleum Company Workers. (32-32225)

Toxicity study

- A Chronic Inhalation Study with Unleaded Gasoline Vapor. (32-32227)
- Final Report. A four-week oral nephrotoxicity screening study in male F344 rats (33-31097)
- Four-Week Oral Nephrotoxicity Screening Study in Male F344 Rats [by Borriston Laboratories Inc.]. Final Report. (32-30966)
- Hydrocarbon nephropathy in male rats: Identification of the nephrotoxic components of unleaded gasoline (33-31098)
- Hydrocarbon nephropathy in male rats. Temporal and morphologic characterization of the renal lesions. (33-31223)
- Kidney Effects of Unleaded Gasoline. Comprehensive and Critical Summary of Observations in Rats and Mice. (30-32845)
- Lifetime dermal carcinogenesis/chronic toxicity screening bioassay of refinery streams in C3H/HeJ mice. Twelve-month toxicity evaluation report. Final report. [Vol. 1-3]. (33-31451)
- Lifetime Dermal Carcinogenesis/Chronic Toxicity Screening Bioassay of Refinery Streams in C3H/HeJ Mice. Three-Month Toxicity Evaluation Report. [Vol. 1-2]. (32-32653)
- Motor Fuel Chronic Inhalation Study...Unleaded Gasoline. (32-32165)
- Non-Neoplastic Exposure-Related Renal Lesions in [Fischer 344 Male] Rats Following Inhalation of [67-2056 ppm] of Unleaded Gasoline Vapors (32-30407)
- Renal Toxicity of [Vapors of] Gasoline and Related Petroleum Naphthas in Male Rats. (32-30414)
- Serial Sacrifice Study [by Borriston Laboratories Inc.] with [API PS-6] Unleaded Gasoline in Rats. Final Report. (32-31048)
- The absence of hydrocarbon-induced nephropathy in rats exposed subchronically to volatile hydrocarbon mixtures pertinent to gasoline (34-30857)
- The Acute Toxicology of Selected Petroleum Hydrocarbons. (30-31530)
- The Evaluation of the Three-Month Inhalation

Toxicity of Two Motor Fuels (27-32610) [Project No. 1443] /Acute Toxicity Tests [of] API #PS-6, Unleaded Motor Gasoline (27-32130)

GASOLINE, UNLEADED (REVIEW)

Analytical Chemistry/Methodology

- Gasoline: Insights into the etiology of the development of hepatocellular carcinoma in the mouse. (41-30735)
- Hydrocarbon Toxicity: Acute, Subchronic and Chronic Effects in Relation to Unleaded Gasoline [(UG)] Exposure of Rodents, with Comments on the Significance to Human Health. (32-30192)

Toxicity Study

- Hydrocarbon Toxicity: Acute, Subchronic and Chronic Effects in Relation to Unleaded Gasoline [(UG)] Exposure of Rodents, with Comments on the Significance to Human Health. (32-30192)
- Summation/Comments on Structure-Activity Relationships. (32-30422)
- Xenobiotic-Induced Kidney Lesions: Hydrocarbons. [A Synopsis of] the 90-Day and 2-Year Gasoline Studies. (32-30412)

GASOLINE-BASED PAINT SPRAY (REVIEW)

Toxicity Study

- A Review of the Human Kidney Effects of Hydrocarbon Exposure (32-30410)

HEAVY CATALYTIC CRACKED NAPHTHA

Carcinogenicity Study

- Lifetime dermal carcinogenesis/chronic toxicity screening bioassay of [11] refinery streams in C3H/HeJ mice. Twelve-month toxicity evaluation. (34-32865)
- Lifetime dermal carcinogenesis/chronic toxicity screening bioassay of refinery streams in C3H/HeJ mice. Three-month toxicity evaluation report. Final report. (33-32010)
- Twenty-four month dermal carcinogenesis/chronic toxicity screening bioassay of refinery streams in C3H/HeJ mice (AP-190r). Final Report. (36-33220)

Mutagenicity Study

- Mutagenicity of API 83-18, heavy catalytic cracked naphtha (petroleum) (CAS 64741-54-4), in a mouse lymphoma mutation assay. Final report. (33-32804)

Toxicity Study

A 28-Day Dermal Toxicity Study in the Rabbit. API 83-18, Heavy, Catalytically Cracked Naphtha (CAS 64741-54-4). Final Report. (32-32748)

Acute inhalation toxicity evaluation of a petroleum-derived hydrocarbon in rats. API 83-18: Heavy catalytically cracked naphtha (CAS 64741-54-4). (34-32776)

Acute oral toxicity study in rats. Acute dermal toxicity study in rabbits. Primary dermal irritation study in rabbits. Primary eye irritation study in rabbits. Dermal sensitization study in guinea pigs. API 83-18, heavy catalytically cracked naphtha (CAS 64741-54-4). Final report. (33-30593)

Four-Week Oral Nephrotoxicity Screening Study in Male F344 Rats [by Borriston Laboratories Inc.]. Final Report. (32-30966)

Lifetime dermal carcinogenesis/chronic toxicity screening bioassay of [11] refinery streams in C3H/HeJ mice. Twelve-month toxicity evaluation. (34-32865)

Lifetime dermal carcinogenesis/chronic toxicity screening bioassay of refinery streams in C3H/HeJ mice. Three-month toxicity evaluation report. Final report. (33-32010)

Twenty-four month dermal carcinogenesis/chronic toxicity screening bioassay of refinery streams in C3H/HeJ mice (AP-190r). Final Report. (36-33220)

HEAVY CATALYTIC REFORMED NAPHTHA

Carcinogenicity Study

Lifetime dermal carcinogenesis/chronic toxicity screening bioassay of [11] refinery streams in C3H/HeJ mice. Twelve-month toxicity evaluation. (34-32865)

Lifetime dermal carcinogenesis/chronic toxicity screening bioassay of refinery streams in C3H/HeJ mice. Three-month toxicity evaluation report. Final report. (33-32010)

Twenty-four month dermal carcinogenesis/chronic toxicity screening bioassay of refinery streams in C3H/HeJ mice (AP-190r). Final Report. (36-33220)

Mutagenicity Study

Activity of API 83-06 (heavy catalytic reformed naphtha) in the acute in vivo cytogenetics assay in male and female rats. Final report. (33-30494)

L5178Y TK+/- Mouse Lymphoma Mutagenesis Assay. API 83-06, heavy catalytically reformed naphtha (CAS 64741-68-0). Final report [by Microbiological Associates Inc.]. (33-31641)

Mutagenicity Evaluation in the Mouse Lymphoma Forward Mutation Assay, API #83-06, Heavy Catalytically Reformed Naphtha. Final Report. (32-32460)

Toxicity Study

A 28-Day Dermal Toxicity Study in the Rabbit. API [Sample] 83-06, Heavy Catalytically Reformed Naphtha (CAS 64741-68-0). Final Report. (32-32752)

Acute Inhalation Toxicity Evaluation of a Petroleum-Derived Hydrocarbon in Rats. API #83-06, Heavy Catalytically Reformed Naphtha. Final Report. (32-32169)

Acute Oral Toxicity Study in Rats. Acute Dermal Toxicity Study in Rabbits. Primary Dermal Irritation Study in Rabbits. Primary Eye Irritation Study in Rabbits. Dermal Sensitization Study in Guinea Pigs. API 83-06, Heavy Catalytically Reformed Naphtha (CAS 64741-68-0). (32-32860)

Lifetime dermal carcinogenesis/chronic toxicity screening bioassay of [11] refinery streams in C3H/HeJ mice. Twelve-month toxicity evaluation. (34-32865)

Lifetime dermal carcinogenesis/chronic toxicity screening bioassay of refinery streams in C3H/HeJ mice. Three-month toxicity evaluation report. Final report. (33-32010)

Renal Toxicity of [Vapors of] Gasoline and Related Petroleum Naphthas in Male Rats. (32-30414)

Twenty-four month dermal carcinogenesis/chronic toxicity screening bioassay of refinery streams in C3H/HeJ mice (AP-190r). Final Report. (36-33220)

HEAVY THERMAL CRACKED NAPHTHA

Carcinogenicity Study

Lifetime dermal carcinogenesis/chronic toxicity screening bioassay of [11] refinery streams in C3H/HeJ mice. Twelve-month toxicity evaluation. (34-32865)

Lifetime dermal carcinogenesis/chronic toxicity screening bioassay of refinery streams in C3H/HeJ mice. Three-month toxicity evaluation report. Final report. (33-32010)

Twenty-four month dermal carcinogenesis/chronic toxicity screening bioassay of refinery streams in C3H/HeJ mice (AP-190r). Final Report. (36-33220)

Mutagenicity Study

Acute inhalation toxicity evaluation of a petroleum-derived hydrocarbon in rats. API 84-02: Heavy thermal cracked naphtha (CAS 64741-83-9). (34-32778)

Mutagenicity of API 84-02, heavy thermal

cracked naphtha (CAS 64741-83-9) in a mouse lymphoma mutation assay. Final report. (34-30632)

Toxicity Study

28-day dermal toxicity in the rabbit. API 84-02, heavy thermally cracked naphtha (CAS 64741-83-9). Final report [by Tegeris Laboratories Inc.]. (33-31696)

Acute oral toxicity study in rats. Acute dermal toxicity study in rabbits. Primary dermal irritation study in rabbits. Primary eye irritation study in rabbits. Dermal sensitization study in guinea pigs. API 84-02, heavy thermally cracked naphtha (CAS 64741-83-9). Final report. (33-30596)

Lifetime dermal carcinogenesis/chronic toxicity screening bioassay of [11] refinery streams in C3H/HeJ mice. Twelve-month toxicity evaluation. (34-32865)

Lifetime dermal carcinogenesis/chronic toxicity screening bioassay of refinery streams in C3H/HeJ mice. Three-month toxicity evaluation report. Final report. (33-32010)

Twenty-four month dermal carcinogenesis/chronic toxicity screening bioassay of refinery streams in C3H/HeJ mice (AP-190r). Final Report. (36-33220)

n-HEPTANE

Metabolism/Pharmacokinetics

Studies on the absorption of inhaled hydrocarbon vapors. Final report. (34-33036)

Neurotoxicity Study

An Experimental Evaluation of Selected Petrochemicals for Subchronic Neurotoxic Properties. (30-32004)

Toxicity Study

[Bio/dynamics Inc. Project No. 78-7233] /A (26- Week Inhalation Toxicity Study of Heptane in the Rat. (28-31209)

HETEROCYCLIC POLYNUCLEAR AROMATIC COMPOUNDS

Analytical Chemistry/Methodology

A Draft Final Report [by Battelle Columbus Laboratories] on [Its] Development of a Method for Measurement of Heterocyclic [Polynuclear] Aromatic Compounds [(Hetero-PACs)] in Petroleum Samples (31-31471)

HEXACHLOROBUTADIENE (REVIEW)*Carcinogenicity Study*

A Brief Review of [Published Data on] the Toxicity and Carcinogenicity of Select Chlorinated Hydrocarbons. (32-30417)

Toxicity Study

A Brief Review of [Published Data on] the Toxicity and Carcinogenicity of Select Chlorinated Hydrocarbons. (32-30417)

HEXADECANE*Metabolism/Pharmacokinetics*

[In-vitro measurements of the] penetration of benzene through human [abdominal] skin (33-31225)

n-HEXANE*Behavioral Study*

Behavioral Evaluation of Petroleum Hydrocarbons. (30-32836)

Developmental Effects

Teratology Study in Rats. n-Hexane. Final Report. (27-32177)

Metabolism/Pharmacokinetics

Disposition and pharmacokinetics of commercial hexane following IV bolus, dermal absorption or nose-only inhalation...Final report. (39-33107)

Studies on the absorption of inhaled hydrocarbon vapors. Final report. (34-33036)

Mutagenicity Study

In-Vivo and In-Vitro Mutagenicity Studies. n-Hexane (Hexane UV). Final Report. (28-31628)

[Final Report on the] Mutagenicity Evaluation of n-Hexane in the Mouse Dominant Lethal Assay. (27-32179)

Neurotoxicity Study

A Comparison of the Rate of Development of Hexane Neuropathy in Weanling and Young Adult Rats. (30-32007)

An Experimental Evaluation of Selected Petrochemicals for Subchronic Neurotoxic Properties. (30-32004)

Concentration-Related Effects of Hexane on Evoked Responses from Brain and Peripheral Nerve. (30-32006)

Experimental Studies of Hexacarbon

Neurotoxicity. Final Report. (29-32291)
Neurobehavioral Effects of Subchronic Exposure of Weanling Rats to Toluene or Hexane. (30-32008)

Neuropathic Potential of n-Hexane in the Presence of Other Hexane Isomers. Final Report: [Phase 1 and Phase 2]. (30-30226)
Quantitative Analysis of Pathological Changes in the Cervical Spinal Cord of Control and n-Hexane-Treated Rats. Final Report. (30-30223)

Six-Month Continuous Inhalation Exposures of Rats to Hexane Mixtures...Phase II. (30-32846)

[Bio/Dynamics Inc. Project No. 77-1921] /A 26-Week Inhalation Toxicity Study of n-Hexane in the Rat. (28-30077)

Toxicity Study

Four-Week Oral Nephrotoxicity Screening Study in Male F344 Rats [by Borriston Laboratories Inc.]. Final Report. (32-30966)

Six Month Continuous Inhalation Exposures of Rats to Hexane Mixtures. Phase I. (30-32858)

The Inhalation Toxicity of n-Hexane and Methyl Ethyl Ketone. (30-32005)

n-HEXANE (REVIEW)*Human Exposure Assessment*

Use of biological monitoring and biomarkers. State-of-the-art review. (40-32427)

Metabolism/Pharmacokinetics

The Effects of n-Hexane in Man and Animals. (30-31603)

Neurotoxicity Study

A Tale of Two Solvents: The Neurology of n-Hexane and Toluene. (30-32079)

Neurophysiological and Psychological Disorders and Occupational Exposure to Organic Solvents. (31-32980)

Neurotoxicity of organic solvents with special reference to the neurobehavioral effects: A [world] literature review (39-30623)

The Effects of n-Hexane in Man and Animals. (30-31603)

HEXANE, COMMERCIAL*Behavioral study*

A 13 week inhalation study of potential effects of commercial hexane on behavior and neuromorphology in rats. (37-31154)

An acute operant behavior study of inhaled commercial hexane in the Albino rat. (37-31153)

Carcinogenicity study

An inhalation oncogenicity study of commercial hexane in rats and mice--2. Mice. Final report. (41-33232)

An inhalation oncogenicity study of commercial hexane in rats and mice--1. Rats. Final report. (41-33231)

Developmental effects

A single-generation inhalation reproduction/fertility study on a commercial hexane. (33-32864)

Developmental toxicity study of commercial hexane vapor in CD(TM)-1 mice. (36-33318)

Developmental toxicity study of commercial hexane vapor in CD(TM) (Sprague-Dawley) rats. (36-33319)

Final Report, April 17, 1991. Commercial hexane test rule, 40 CFR 799.2155. Two-generation reproduction study of inhaled commercial hexane in CD(TM) (Sprague-Dawley) rats. (38-31216)

Final Report, April 17, 1991. Commercial hexane test rule, 40 CFR 799.2155. Two-Generation reproduction study of inhaled commercial hexane in CD(TM) (Sprague-Dawley) rats. (38-31217)

Metabolism/Pharmacokinetics

Disposition and pharmacokinetics of commercial hexane following IV bolus, dermal absorption or nose-only inhalation...Final report. (39-33107)

Mutagenicity study

Salmonella/mammalian-microsome mutagenicity assay of the vapor phase of commercial hexane using the desiccator methodology. (36-32641)

CHO [(Chinese hamster ovary)]/HGPRT mutation assay of commercial hexane, Final Report. (37-31487)

Chromosome aberrations in Chinese hamster ovary (CHO) cells exposed to commercial hexane. (37-31152)

Subchronic in-vivo cytogenetics assay in rats using nose-only inhalation exposure to commercial hexane. Final report. (37-31830)

Neurotoxicity study

A 13 week inhalation study of potential effects of commercial hexane on behavior and neuromorphology in rats. (37-31154)

Reproductive effects

A single-generation inhalation reproduction/fertility study on a commercial hexane. (33-32864)

Final Report, April 17, 1991. Commercial hexane test rule, 40 CFR 799.2155. Two-generation reproduction study of inhaled commercial hexane in CD(TM) (Sprague-Dawley) rats. (38-31216)

Final Report, April 17, 1991. Commercial hexane test rule, 40 CFR 799.2155. Two-Generation reproduction study of inhaled commercial hexane in CD(TM) (Sprague-Dawley) rats. (38-31217)

Toxicity study

A thirteen week inhalation toxicity study of commercial hexane in the rat and mouse. (37-31151)

Special pathology report...A thirteen-week inhalation toxicity study of commercial hexane in the rat and mouse. (37-31148)

2,5-HEXANEDIONE*Neurotoxicity Study*

Experimental Studies of Hexacarbon Neurotoxicity. Final Report. (29-32291)

HEXANES, MIXED*Neurotoxicity Study*

A Comparison of the Rate of Development of Hexane Neuropathy in Weanling and Young Adult Rats. (30-32007)

Neuropathic Potential of n-Hexane in the Presence of Other Hexane Isomers. Final Report: [Phase I and Phase 2]. (30-30226)

Six-Month Continuous Inhalation Exposures of Rats to Hexane Mixtures...Phase II. (30-32846)

Toxicity Study

Six Month Continuous Inhalation Exposures of Rats to Hexane Mixtures. Phase I. (30-32858)

HIGH AROMATIC SOLVENT*Developmental Effects*

Teratology Study in Rats. High-Aromatic Solvent. Final Report. (27-32176)

Mutagenicity Study

Further Studies of the Mutagenicity of Hydrocarbon Fractions [by] Utilizing Somatic Mutations in Rats. (26-60100)

Mutagenicity Study of Thirteen Petroleum Fractions. (26-60098)

Toxicity Study

Petroleum Hydrocarbon Toxicity Studies--14. Animal and Human Response to Vapors of "High Aromatic Solvent" (27-31349)

HIGH FLASH AROMATIC NAPHTHA*Mutagenicity Study*

The mutagenic potential of high flash aromatic naphtha. (36-33132)

HIGH NAPHTHENIC SOLVENT*Toxicity Study*

Petroleum Hydrocarbon Toxicity Studies--15. Animal Response to Vapors of "High Naphthenic Solvent" (27-31350)

HIGH-SOLVENCY NAPHTHA*Mutagenicity Study*

Estimation of the Mutagenicity of Hydrocarbon Fractions Utilizing the Bacterial Assay Procedure with Mammalian Tissue Metabolic Activation. API Project PS-4 #6. (26-60103)

HUMAN EXPOSURE ASSESSMENT

"Normal" Carboxyhemoglobin [COHb] Levels of Blood Donors in the U.S. (26-60048)

A survey and analysis of liquid gasoline released to the environment during vehicle refueling at service stations. (40-30807)

Acute exposure to methanol in fuels: A prediction of ingestion incidence and toxicity. (36-31914)

Acute exposure to methanol in fuels: A prediction of ingestion incidence and toxicity. (36-31914)

An exposure assessment for marketing and marine distribution workers in the petroleum industry with potential exposure to gasoline (41-31765)

Analysis of foods for benzene. (40-32424)

Benzene levels in ambient air and breath of smokers and nonsmokers in urban and pristine environments (33-32727)

Carboxyhemoglobin Trend in Chicago Blood Donors, 1970-1974. 2430057)

Carboxyhemoglobin Trend in St. Louis Blood Donors, 1971-1975. CRC-APRAC Project No. CAPM-8-68. (27-30705)

Development and Persistence of Adaptation to Ozone Exposure in Ozone-Sensitive Southern California Residents. (28-33073)

Estimation of incremental benzene exposure

associated with seven bulk gasoline storage facilities in North Carolina. (40-32761)

Exposure data on C₇ and C₈ aromatics during handling and production of motor gasoline. (33-31598)

Gasoline vapor exposure assessment at service stations. (40-31953)

Impact on Human Health of Petroleum in the Marine Environment. (32-32651)

Indoor vs. outdoor ambient benzene concentrations: Results of the EPA Total Exposure Assessment [Methodology] (TEAM) study. (35-31189)

Industrial Hygiene Assessment of Petroleum Refinery Turnaround Activities. Final Report. (32-31555)

Job Code Classification System--1. Petroleum Refineries and Selected Petrochemical Operations. (27-32280)

Monitoring near refineries for airborne chemical on the SARA [(Superfund Amendments and Reauthorization Act of 1986)] Title III Section 313 list. Volume I...Validated ambient air concentrations around three refineries. (36-32657)

Monitoring near refineries for airborne chemicals on the SARA [(Superfund Amendments and Reauthorization Act)] Title III Section 313 List--2. A Generic Study Design Protocol. (40-30722)

Monitoring near refineries for airborne chemicals on the SARA [(Superfund Amendments and Reauthorization Act)] Title III Section 313 List--3. Literature survey/Monitoring data for selected chemicals in airborne emissions. (40-30723)

Monitoring near refineries for airborne chemicals on the SARA [(Superfund Amendments and Reauthorization Act)] Title III Section 313 List--4. A sampling and analytical protocol for selected chemicals in airborne emissions. (40-30724)

N-Nitroso Compounds in Airborne Respirable Particulate Matter. (29-32752)

Numerical Modeling of Ozone Population Exposure: Application to a Comparison of Alternative Ozone Standards. Final Report. (32-32309)

Occupational Exposure to Benzene in the Petroleum and Petrochemical Industries. (30-31525)

Oils Mist: [An] Evaluation of [Workplace] Sampling Procedures. (26-60118)

Photochemical Smog. (26-60108)

Produced water radionuclide hazard/risk assessment. Phase I. (39-31094)

Statistical approaches for assessing exposures to chemicals. (33-31163)

The Influence of Trace Metals in Disperse Aerosols on the Human Body Burden of Trace Metals. (27-30840)

The Use of Panelists as Substitutes for Toxicab Drivers in Carbon Monoxide Exposure (26-60053)

Trace Metals in Urban Aerosols. (26-60094)
Use of biological monitoring and biomarkers.
State-of-the-art review. (40-32427)

HYDROCARBON SOLVENTS (REVIEW)

Toxicity Study

A Review of the Human Kidney Effects of Hydrocarbon Exposure (32-30410)

HYDROCARBONS

Human Exposure Assessment

Monitoring near refineries for airborne chemical on the SARA [(Superfund Amendments and Reauthorization Act of 1986)] Title III Section 313 list. Volume I...Validated ambient air concentrations around three refineries. (36-32657)

HYDRODESULFURIZED MIDDLE DISTILLATE

Carcinogenicity study

Lifetime Dermal Carcinogenesis/Chronic Toxicity Screening Bioassay of Refinery Streams in C3H/HeJ Mice. Three-Month Toxicity Evaluation Report. [Vol. 1-2]. (32-32653)

Lifetime dermal carcinogenesis/chronic toxicity screening bioassay of refinery streams in C3H/HeJ mice. Twelve-month toxicity evaluation report. Final report. [Vol. 1-3]. (33-31451)

Lifetime dermal carcinogenesis bioassay of refinery streams in C3H/HeJ mice (AP-135R). (36-31364)

Short-term dermal tumorigenesis study of selected petroleum hydrocarbon [processing fractions] in male CD-1 mice. Initiation and promotion phases. (36-32643)

Mutagenicity study

In-vivo sister chromatid exchange assay with API 81-10: Hydrodesulfurized middle distillate. Final report. (35-32479)

Mutagenicity Evaluation Studies [of Hydrodesulfurized Middle Distillate (D), API Sample 81-10] in the Rat Bone Marrow Cytogenetic Assay and in the Mouse Lymphoma Forward Mutation Assay. Final Report. (32-30535)

Mutagenicity Evaluation Studies in the Rat Bone Marrow Cytogenetic Assay and in the Mouse Lymphoma Forward Mutation Assay. Hydrodesulfurized Middle Distillate, API Sample 81-09. Final

Report. (32-30965)

Mutagenicity in a mouse lymphoma mutation assay. API 81-10, hydrodesulfurized middle distillate (CAS 64742-80-9). Final report. (33-31224)

Mutagenicity of API 81-10, hydrodesulfurized middle distillate (CAS 64742-80-9) (coded as API 86-10) in a mouse lymphoma mutation assay. Final report. (34-32643)

Mutagenicity of API 81-10 SAT, saturated fraction of hydrodesulfurized middle distillate (CAS 64742-80-9) (coded as API 86-10 SAT) in a mouse lymphoma mutation assay. Final report. (34-32645)

Mutagenicity of API 81-10 ARO, aromatic fraction of hydrodesulfurized middle distillate (CAS 64742-80-9) (coded as API 86-10 ARO) in a mouse lymphoma mutation assay. Final report. (34-32644)

Sister chromatid exchange assay in Chinese hamster ovary (CHO) cells with API 81-10: Hydrodesulfurized middle distillate. Final report. (35-32433)

Toxicity study

Acute Toxicity Studies [by Hazleton Raltech Inc. of] Hydrodesulfurized Middle Distillate, [API] Sample 81-10. (30-32348)

Acute Toxicity Studies [by Hazleton Raltech Inc. of] Hydrodesulfurized Middle Distillate, [API] Sample 81-09. (30-32347)

Dermal Sensitization Study in Guinea Pigs. Closed Patch Technique. Hydrodesulfurized Middle Distillate, API Sample 81-10. (31-31414)

Dermal Sensitization Study in Guinea Pigs. Closed Patch Technique. Hydrodesulfurized Middle Distillate, API Sample 81-09. (31-31352)

Four-week subchronic inhalation toxicity study in rats. Final report. API 81-07, hydrodesulfurized kerosene (petroleum) (CAS 64742-81-0). API 81-09, hydrodesulfurized middle distillate (petroleum) (CAS 64742-80-9). API 81-10, hydrodesulfurized middle distillate (petroleum) (CAS 64742-80-9). (33-32724)

LC₅₀ Acute Inhalation Toxicity Evaluation of a Petroleum-Derived Hydrocarbon in Rats...Hydrodesulfurized Middle Distillate, API Sample 81-10. (30-32857)

LC₅₀ Acute Inhalation Toxicity Evaluation of a Petroleum-Derived Hydrocarbon in Rats...Hydrodesulfurized Middle Distillate, API Sample 81-09. (30-32856)

Lifetime dermal carcinogenesis/chronic toxicity screening bioassay of refinery streams in C3H/HeJ mice. Twelve-month toxicity evaluation report. Final report. [Vol. 1-3]. (33-31451)

Lifetime Dermal Carcinogenesis/Chronic Toxicity Screening Bioassay of Refinery

Streams in C3H/HeJ Mice. Three-Month Toxicity Evaluation Report. [Vol. 1-2]. (32-32653)

Twenty-Eight-Day Dermal Toxicity Study in the Rabbit of Hydrodesulfurized Middle Distillate, [API] Sample 81-09. Final Report. (30-32298)

Twenty-Eight-Day Dermal Toxicity Study in the Rabbit of Hydrodesulfurized Middle Distillate, [API] Sample 81-10, [by Borriston Laboratories Inc.]. Final Report. (30-32296)

HYDROGEN SULFIDE (REVIEW)

Neurotoxicity Study

Neurotoxicity of organic solvents with special reference to the neurobehavioral effects: A [world] literature review (39-30623)

Toxicity Study

Gaseous and Particulate Sulfur Compounds in Urban Atmospheres. (26-60070)

HYDROTREATED HEAVY NAPHTHENIC DISTILLATE

Mutagenicity Study

CHO/HGPRT [(Chinese Hamster Ovary/ Hypoxanthine-Guanine Phosphoribosyl Transferase)] Mammalian Cell Forward Gene Mutation Assay of API 81-15. (32-32118)

Mutagenicity of API 83-15, hydrotreated heavy naphthenic distillate, (CAS 64742-52-5), in a mouse lymphoma mutation assay. Final report. (33-32800)

Toxicity Study

28-Day dermal toxicity study of API 83-15, hydrotreated heavy naphthenic distillate (CAS 64742-52-5), in the rabbit. Final report. (35-32430)

Acute oral toxicity study in rats. Acute dermal toxicity study in rabbits. Primary dermal irritation study in rabbits. Primary eye irritation study in rabbits. Dermal sensitization study in guinea pigs. API 83-15, hydrotreated heavy naphthenic distillate (CAS 64742-52-5). Final report [by Hazleton Laboratories America Inc.]. (33-32639)

HYDROTREATED LIGHT NAPHTHENIC DISTILLATE

Carcinogenicity Study

Lifetime dermal carcinogenesis/chronic toxicity screening bioassay of [11] refinery

streams in C3H/HeJ mice. Twelve-month toxicity evaluation. (34-32865)

Lifetime dermal carcinogenesis/chronic toxicity screening bioassay of refinery streams in C3H/HeJ mice. Three-month toxicity evaluation report. Final report. (33-32010)

Twenty-four month dermal carcinogenesis/chronic toxicity screening bioassay of refinery streams in C3H/HeJ mice (AP-190r). Final Report. (36-33220)

Mutagenicity Study

Mutagenicity of API 83-12, hydrotreated light naphthenic distillate (CAS 64742-53-6) in a mouse lymphoma mutation assay. Final report. (33-32802)

Toxicity Study

28-day dermal toxicity study in the rabbit: API 83-12 hydrotreated light naphthenic distillate (CAS 64742-53-6). Final report. (33-30499)

Acute inhalation toxicity evaluation of a petroleum-derived hydrocarbon in rats. API 83-12: Hydrotreated light naphthenic distillate (CAS 64742-53-6). (34-32775)

Acute oral toxicity study in rats. Acute dermal toxicity study in rabbits. Primary dermal irritation study in rabbits. Primary eye irritation study in rabbits. Dermal sensitization study in guinea pigs. API 83-12, hydrotreated light naphthenic distillate, CAS 64742-53-6. Final report. (33-30592)

Lifetime dermal carcinogenesis/chronic toxicity screening bioassay of [11] refinery streams in C3H/HeJ mice. Twelve-month toxicity evaluation. (34-32865)

Lifetime dermal carcinogenesis/chronic toxicity screening bioassay of refinery streams in C3H/HeJ mice. Three-month toxicity evaluation report. Final report. (33-32010)

Twenty-four month dermal carcinogenesis/chronic toxicity screening bioassay of refinery streams in C3H/HeJ mice (AP-190r). Final Report. (36-33220)

ISOBUTANE

Metabolism/Pharmacokinetics

Studies on the absorption of inhaled hydrocarbon vapors. Final report. (34-33036)

Toxicity Study

The Myocardial Toxicity [to Dogs] of Selected Aliphatic Hydrocarbons, [Including Propane (P), n-Butane, Isobutane, and a Mixture of These Hydrocarbons (A-46), and Mixtures of Isobutane with Methyl Chloroform, Trichloroethylene, Methyl Ethyl Ketone, and Methyl Isobutyl

Ketone]. (30-32013)

The absence of hydrocarbon-induced nephropathy in rats exposed subchronically to volatile hydrocarbon mixtures pertinent to gasoline (34-30857)

Thirteen-Week Inhalation Toxicity Study of C4/C5 Hydrocarbon Blends in Rats. Final Report. (32-31472)

ISOCTANE

Metabolism/Pharmacokinetics

Studies on the absorption, tissue equilibria and excretion routes of inhaled hydrocarbon vapors and their metabolites (36-31430)

The Absorption of Petroleum Products across the Skin of Monkey and Man: Annual Report, Jan. 1, 1984 to Dec. 31, 1984. (32-32749)

[In-vitro measurements of the] penetration of benzene through human [abdominal] skin (33-31225)

ISOPENTANE

Metabolism/Pharmacokinetics

Studies on the absorption of inhaled hydrocarbon vapors. Final report. (34-33036)

Toxicity Study

The absence of hydrocarbon-induced nephropathy in rats exposed subchronically to volatile hydrocarbon mixtures pertinent to gasoline (34-30857)

Thirteen-Week Inhalation Toxicity Study of C4/C5 Hydrocarbon Blends in Rats. Final Report. (32-31472)

ISOPROPANOL (REVIEW)

Odor and Taste

[A literature] review of published odor and taste threshold values of [the 276] soluble gasoline components (33-30589)

JP-5

Toxicity Study

Interactive Effects of JP-5 Vapor Exposure and Elevated Temperature on Renal Lesion Induction [in Rats]. (30-31537)

JET FUEL (REVIEW)

Neurotoxicity Study

Neurophysiological and Psychological Disorders and Occupational Exposure to Organic Solvents. (31-32980)

JET FUEL A

Developmental Effects

Inhalation Teratology of Jet Fuel A, Fuel Oil, and Petroleum Naphtha in Rats. (30-32003)
Inhalation/Teratological Study in Rats. Jet Fuel A. Final Report. (27-32173)

Mutagenicity Study

In-Vitro and In-Vivo Mutagenicity Studies. Jet Fuel A. Final Report. (27-30051)

Mutagenicity Evaluation of Petroleum Hydrocarbons. (30-31997)

Mutagenicity Evaluation of Six Petroleum Substances in an In-Vivo/In-Vitro Urine Assay. (30-31037)

[Litton Bionetics Inc. Project No. 21141-03] Mutagenicity Evaluation of Jet Fuel A in the Mouse Dominant Lethal Assay. Final Report. (28-31345)

Reproductive Effects

[Litton Bionetics Inc. Proj. No. 21141-03] Mutagenicity Evaluation of Jet Fuel A in the Mouse Dominant Lethal Assay. Final Report. (28-31345)

Toxicity Study

The Acute Toxicology of Selected Petroleum Hydrocarbons. (30-31530)
[Project No. 1443] /Acute Toxicity Tests of API Jet Fuel A (27-32815)

JET PROPULSION FUEL

Analytical Chemistry/Methodology

[API Project SPS-5-UOC(858/305)] Comprehensive Analyses of Shale Oil Products: Second Study. Final. (28-70300)

Toxicity Study

Pathologic Findings in Laboratory Animals Exposed to Hydrocarbon Fuels of Military Interest. (32-30416)
Toxicology of Mixed Distillate and High-Energy Synthetic Fuels. (32-30415)

KEROSENE see Kerosine

Kerosine

Developmental Effects

Teratology Study in Rats. Kerosene. Final Report. (27-32175)

Mutagenicity Study

Mutagenicity Evaluation of Kerosene. Final Report. (26-60017)
 Mutagenicity Evaluation of Petroleum Hydrocarbons. (30-31997)

KEROSINE (REVIEW)*Chemical Countermeasures*

Petroleum in the freshwater environment...An annotated bibliography [covering] 1946-1983. (39-33456)

Fate and Effects

Petroleum in the freshwater environment...An annotated bibliography [covering] 1946-1983. (39-33456)

Toxicity Study

Clinical toxicology of the acute ingestion of methanol/hydrocarbon blends. A state-of-the-art review. (39-31093)

KEROSINE, DEODORIZED*Mutagenicity Study*

Estimation of the Mutagenicity of Hydrocarbon Fractions Utilizing the Bacterial Assay Procedure with Mammalian Tissue Metabolic Activation. API Project PS-4 #6. (26-60103)
 Mutagenicity Study of Thirteen Petroleum Fractions. (26-60098)

Toxicity Study

Petroleum Hydrocarbon Toxicity Studies--11. Animal and Human Response to Vapors of Deodorized Kerosene (26-60089)

KEROSINE, HYDRODESULFURIZED*Carcinogenicity Study*

Lifetime Dermal Carcinogenesis/Chronic Toxicity Screening Bioassay of Refinery Streams in C3H/HeJ Mice. Three-Month Toxicity Evaluation Report. [Vol. 1-2]. (32-32653)
 Lifetime dermal carcinogenesis bioassay of refinery streams in C3H/HeJ mice (AP-135R). (36-31364)
 Lifetime dermal carcinogenesis/chronic toxicity screening bioassay of refinery streams in C3H/HeJ mice. Twelve-month toxicity evaluation report. Final report. [Vol. 1-3]. (33-31451)
 Short-term dermal tumorigenesis study of selected petroleum hydrocarbon [processing

fractions] in male CD-1 mice. Initiation and promotion phases. (36-32643)

Mutagenicity Study

In vivo sister chromatid exchange assay with API 81-07, hydrodesulfurized kerosene. Final report. (36-30043)
 Mutagenicity Evaluation Studies in the Rat Bone Marrow Cytogenetic Assay [and] in the Mouse Lymphoma Forward Mutation Assay. Hydrodesulfurized Kerosene, API Sample 81-07. Final Report. (32-30240)

Toxicity Study

A Dermal Sensitization Study in [50] Guinea Pigs [by the] Closed Patch Technique [with the Use of] API Sample 81-07 [(Hydrodesulfurized Kerosene)]. (31-31413)
 Acute Toxicity Studies [by Hazleton Raltech Inc.] of Hydrodesulfurized Kerosene, [API] Sample 81-07. (30-31986)
 Four-week subchronic inhalation toxicity study in rats. Final report. API 81-07, hydrodesulfurized kerosene (petroleum) (CAS 64742-81-0). API 81-09, hydrodesulfurized middle distillate (petroleum) (CAS 64742-80-9). API 81-10, hydrodesulfurized middle distillate (petroleum) (CAS 64742-80-9). (33-32724)
 LC₅₀ Acute Inhalation Toxicity Evaluation of a Petroleum-Derived Hydrocarbon in Rats...Hydrodesulfurized Kerosene, API Sample 81-07. (30-32855)
 Lifetime Dermal Carcinogenesis/Chronic Toxicity Screening Bioassay of Refinery Streams in C3H/HeJ Mice. Three-Month Toxicity Evaluation Report. [Vol. 1-2]. (32-32653)
 Lifetime dermal carcinogenesis bioassay of refinery streams in C3H/HeJ mice (AP-135R). (36-31364)
 Lifetime dermal carcinogenesis/chronic toxicity screening bioassay of refinery streams in C3H/HeJ mice. Twelve-month toxicity evaluation report. Final report. [Vol. 1-3]. (33-31451)
 Short-term dermal tumorigenesis study of selected petroleum hydrocarbon [processing fractions] in male CD-1 mice...Initiation and promotion phases. (36-32643)
 Twenty-Eight-Day Dermal Toxicity Study in the Rabbit of Hydrodesulfurized Kerosene, [API] Sample 81-07. Final report. (30-32297)

KEROSINE, STRAIGHT-RUN*Carcinogenicity Study*

Lifetime dermal carcinogenesis/chronic toxicity screening bioassay of [11] refinery

streams in C3H/HeJ mice. Twelve-month toxicity evaluation. (34-32865)

Lifetime dermal carcinogenesis/chronic toxicity screening bioassay of refinery streams in C3H/HeJ mice. Three-month toxicity evaluation report. Final report. (33-32010)
 Twenty-four month dermal carcinogenesis/chronic toxicity screening bioassay of refinery streams in C3H/HeJ mice (AP-190r). Final Report. (36-33220)

Mutagenicity Study

L5178Y TK+/- Mouse Lymphoma Mutagenesis Assay. API [Sample] 83-09, Straight-Run Kerosene (CAS 8008-20-6). Final Report. (32-32745)
 The Acute In-Vivo Cytogenetics Assay in Male and Female Rats of API 83-09 [(Straight-Run Kerosene)]. Final Report. (32-31769)

Toxicity Study

28-day dermal toxicity study in the rabbit: API 83-09 straight run kerosene (CAS 8008-20-6). Final report. (33-30443)
 Acute inhalation toxicity evaluation of a petroleum-derived hydrocarbon in rats, API 83-09, straight-run kerosene (CAS 8008-20-6). Final report. (34-30634)
 Acute Oral Toxicity Study in Rats. Acute Dermal Toxicity Study in Rabbits. Primary Dermal Irritation Study in Rabbits. Primary Eye Irritation Study in Rabbits. Dermal Sensitization Study in Guinea Pigs. API 83-09, Straight Run Kerosene (CAS 8008-20-6). (32-32858)
 Lifetime dermal carcinogenesis/chronic toxicity screening bioassay of [11] refinery streams in C3H/HeJ mice. Twelve-month toxicity evaluation. (34-32865)
 Lifetime dermal carcinogenesis/chronic toxicity screening bioassay of refinery streams in C3H/HeJ mice. Three-month toxicity evaluation report. Final report. (33-32010)
 Twenty-four month dermal carcinogenesis/chronic toxicity screening bioassay of refinery streams in C3H/HeJ mice (AP-190r). Final Report. (36-33220)

LEAD*Metabolism/Pharmacokinetics*

A Metabolic Model of Lead Kinetics Based upon Measured Organic Burdens during Chronic Exposure Experiments with [66] Infant and Juvenile Baboons. (31-30264)
 An Organ Compartment Model of Lead Biokinetics. (30-31647)

Human Exposure Assessment

The Influence of Trace Metals in Disperse Aerosols on the Human Body Burden of Trace Metals. (27-30840)

Toxicity Study

The Chronic Toxicity of Lead. (26-60096)

LEAD (REVIEW)*Toxicity Study*

A Review of the Toxicology of Lead (26-60061)

Air Quality Standards for Lead. (26-60064)

LEAD CHLOROBROMIDE*Toxicity Study*

Study of Synergistic Effects of Certain Airborne Systems in the Cynomolgus Monkey. (27-30704)

LIGHT ALKYLATE NAPHTHA*Carcinogenicity Study*

Lifetime dermal carcinogenesis/chronic toxicity screening bioassay of [11] refinery streams in C3H/HeJ mice. Twelve-month toxicity evaluation. (34-32865)

Lifetime dermal carcinogenesis/chronic toxicity screening bioassay of refinery streams in C3H/HeJ mice. Three-month toxicity evaluation report. Final report. (33-32010)

Twenty-four month dermal carcinogenesis/chronic toxicity screening bioassay of refinery streams in C3H/HeJ mice (AP-190r). Final Report. (36-33220)

Mutagenicity Study

Acute In-Vivo Cytogenetics Assay in Male and Female Rats of API 83-19. Final Report. (32-32409)

L5178Y TK+/- Mouse Lymphoma Mutagenesis Assay of API [Sample] 83-19, Light Alkylate Naphtha. Final Report. (32-32746)

Toxicity Study

28-day dermal toxicity study in the rabbit: API 83-19, light alkylate naphtha (CAS 64741-66-8). Final report. (33-30498)

Acute inhalation toxicity evaluation of a petroleum-derived hydrocarbon in rats, API 83-19, light alkylate naphtha (CAS 64741-66-8). Final report. (34-30636)

Acute oral toxicity study in rats. Acute dermal toxicity study in rabbits. Primary dermal irritation study in rabbits. Primary eye

irritation study in rabbits. Dermal sensitization study in guinea pigs. API 83-19, light alkylate naphtha (CAS 64741-66-8). Final report. (33-30594)

Four-Week Oral Nephrotoxicity Screening Study in Male F344 Rats [by Borriston Laboratories Inc.]. Final Report. (32-30966)

Lifetime dermal carcinogenesis/chronic toxicity screening bioassay of [11] refinery streams in C3H/HeJ mice. Twelve-month toxicity evaluation. (34-32865)

Lifetime dermal carcinogenesis/chronic toxicity screening bioassay of refinery streams in C3H/HeJ mice. Three-month toxicity evaluation report. Final report. (33-32010)

Twenty-four month dermal carcinogenesis/chronic toxicity screening bioassay of refinery streams in C3H/HeJ mice (AP-190r). Final Report. (36-33220)

LIGHT CATALYTIC CRACKED DISTILLATE*Carcinogenicity Study*

Lifetime dermal carcinogenesis/chronic toxicity screening bioassay of [11] refinery streams in C3H/HeJ mice. Twelve-month toxicity evaluation. (34-32865)

Lifetime dermal carcinogenesis/chronic toxicity screening bioassay of refinery streams in C3H/HeJ mice. Three-month toxicity evaluation report. Final report. (33-32010)

Short-term dermal tumorigenesis study of selected petroleum hydrocarbon [processing fractions] in male CD-1 mice. Initiation and promotion phases. (36-32643)

Twenty-four month dermal carcinogenesis/chronic toxicity screening bioassay of refinery streams in C3H/HeJ mice (AP-190r). Final Report. (36-33220)

Mutagenicity Study

Activity of API 83-08 (light catalytic cracked distillate) in the acute in-vivo cytogenetics assay in male and female rats. Final report. (33-30493)

In vivo sister chromatid exchange assay with API 83-07 (light catalytic cracked distillate). (36-31429)

L5178Y TK+/- Mouse Lymphoma Mutagenesis Assay of API 83-08, [Light Catalytic Cracked Distillate]. (32-31709)

Mutagenicity Evaluation of API 83-07 in the Mouse Lymphoma Forward Mutation Assay. Final Reports. (32-32167)

Mutagenicity evaluation in the rat bone marrow cytogenetic assay. API 83-07, light catalytically cracked distillate (CAS 64741-59-9). Final report. (33-30929)

Sister chromatid exchange assay in Chinese hamster ovary (CHO) cells with API

83-07: Light catalytic cracked distillate. (35-32432)

Toxicity Study

A 28-Day Dermal Toxicity Study in the Rabbit of API [Sample] 83-07, a Light Catalytically Cracked Distillate (CAS 64741-59-9). Final Report. (32-32751)

A (28--Day Dermal Toxicity Study in the Rabbit. API [Sample] 83-08, Light Catalytically Cracked Distillate (CAS 64741-59-9). (32-32753)

Acute Oral Toxicity Study in Rats. Acute Dermal Toxicity Study in Rabbits. Primary Dermal Irritation Study in Rabbits. Primary Eye Irritation Study in Rabbits. Dermal Sensitization Study in Guinea Pigs. API 83-08, Light Catalytically Reformulated Distillate (CAS 64741-59-9). (32-32859)

Acute inhalation toxicity evaluation in rats: API 83-07, light catalytically cracked distillate (CAS 64741-59-9). Final report. (33-30549)

Acute inhalation toxicity evaluation in rats: API 83-08, light catalytically cracked distillate (CAS 64741-59-9). Final report. (33-30444)

Acute oral toxicity study in rats. Acute dermal toxicity study in rabbits. Primary dermal irritation study in rabbits. Primary eye irritation study in rabbits. Dermal sensitization study in guinea pigs. API 83-07, light catalytically cracked distillate (CAS 64741-59-9). (33-30162)

Lifetime dermal carcinogenesis/chronic toxicity screening bioassay of [11] refinery streams in C3H/HeJ mice. Twelve-month toxicity evaluation. (34-32865)

Lifetime dermal carcinogenesis/chronic toxicity screening bioassay of refinery streams in C3H/HeJ mice. Three-month toxicity evaluation report. Final report. (33-32010)

Twenty-four month dermal carcinogenesis/chronic toxicity screening bioassay of refinery streams in C3H/HeJ mice (AP-190r). Final Report. (36-33220)

LIGHT CATALYTIC CRACKED NAPHTHA*Carcinogenicity Study*

Lifetime Dermal Carcinogenesis/Chronic Toxicity Screening Bioassay of Refinery Streams in C3H/HeJ Mice. Three-Month Toxicity Evaluation Report. [Vol. 1-2]. (32-32653)

Lifetime dermal carcinogenesis bioassay of refinery streams in C3H/HeJ mice (AP-135R). (36-31364)

Lifetime dermal carcinogenesis/chronic toxicity screening bioassay of refinery streams in

C3H/HeJ mice. Twelve-month toxicity evaluation report. Final report. [Vol. 1-3]. (33-31451)

Mutagenicity Study

Activity of API 81-04 in the Acute In-Vivo Cytogenetics Assay in Male and Female Rats. Final Report. (32-32288)

In vivo sister chromatid exchange assay with API 81-03 (light catalytically cracked naphtha). Final report. (36-30044)

LS178Y TK+/- Mouse Lymphoma Mutagenesis Assay of API 81-04, [Light Catalytic Cracked Naphtha] (32-31710)

Mutagenicity Evaluation Studies in the Rat Bone Marrow Cytogenetic Assay [and] in the Mouse Lymphoma Forward Mutation Assay of Light Catalytically Cracked Naphtha, [API] Sample 81-03. Final Report. (32-31300)

Mutagenicity of API 83-20, light catalytic cracked naphtha (CAS 64741-55-5) in a mouse lymphoma mutation assay. Final report. (34-30633)

Sister chromatid exchange assay in Chinese hamster ovary (CHO) cells with API 81-03 [(light catalytically cracked naphtha)]. Final report. (36-30045)

Toxicity Study

28-Day dermal toxicity study in the rabbit [by Tegeris Laboratories Inc.]. API 81-04, light catalytically cracked naphtha (CAS 64741-55-5). Final report. (33-30747)

A (28--Day dermal toxicity study of API 83-20 [clear liquid test article] in the rabbit. (37-31958)

A Dermal Sensitization Study [by Hazleton Laboratories America Inc.] in [50] Guinea Pigs [by the] Closed Patch Technique [with the Use of] API Sample 81-03. (31-31412)

Acute Inhalation Toxicity Evaluation of a Petroleum-Derived Hydrocarbon in Rats...Light Catalytic Cracked Naphtha. API Sample 81-04. (31-30680)

Acute Oral Toxicity Study in Rats, Acute Dermal Toxicity Study in Rabbits, Primary Dermal Irritation Study in Rabbits, [and] Primary Eye Irritation Study in Rabbits of API 81-04, Light Catalytically Cracked Naphtha. (32-31708)

Acute inhalation toxicity evaluation of a petroleum-derived hydrocarbon in rats. API 83-20: Light catalytic cracked naphtha (CAS 64741-55-5). (34-32777)

Acute oral toxicity study in rats. Acute dermal toxicity study in rabbits. Primary dermal irritation study in rabbits. Primary eye irritation study in rabbits. Dermal sensitization study in guinea pigs. Final report. API 83-20, light catalytic cracked

naphtha (petroleum). (CAS 64741-55-5). (33-32722)

Dermal sensitization study in guinea pigs [by Hazleton Laboratories America Inc.]: API 81-04 light catalytically cracked naphtha (CAS 64741-55-5). Final report. (33-30495)

Four-Week Oral Nephrotoxicity Screening Study in Male F344 Rats [by Borriston Laboratories Inc.]. Final Report. (32-30966)

LC₅₀ acute inhalation toxicity evaluation of a petroleum-derived hydrocarbon in rats. API 81-03, light catalytically cracked naphtha (CAS 64741-55-5). Final report. (33-31902)

Lifetime Dermal Carcinogenesis/Chronic Toxicity Screening Bioassay of Refinery Streams in C3H/HeJ Mice. Three-Month Toxicity Evaluation Report. [Vol. 1-2]. (32-32653)

Lifetime dermal carcinogenesis bioassay of refinery streams in C3H/HeJ mice (AP-135R). (36-31364)

Lifetime dermal carcinogenesis/chronic toxicity screening bioassay of refinery streams in C3H/HeJ mice. Twelve-month toxicity evaluation report. Final report. [Vol. 1-3]. (33-31451)

Renal Toxicity of [Vapors of] Gasoline and Related Petroleum Naphthas in Male Rats. (32-30414)

Thirteen-week subchronic inhalation toxicity study in rats with API 81-03: Light catalytic cracked naphtha (CAS 64741-55-5). (34-33173)

LIGHT CATALYTIC REFORMED NAPHTHA

Mutagenicity Study

Mutagenicity Evaluation of API #83-04 in the Mouse Lymphoma Forward Mutation Assay. Final Report. (32-32168)

Mutagenicity evaluation in the rat bone marrow cytogenetic assay. API 83-04, light catalytically reformed naphtha (CAS 64741-63-5). Final report [by Litton Bionetics Inc.]. (33-31092)

Toxicity Study

28-Day dermal toxicity study in the rabbit [by Tegeris Laboratories Inc.]. API 83-04, light catalytically reformed naphtha (CAS 64741-63-5). Final report. (33-30597)

Acute Inhalation Toxicity Evaluation of a Petroleum-Derived Hydrocarbon in Rats. Light Catalytic Reformed Naphtha...API Sample 83-04. (31-30613)

Acute Oral Toxicity Study in Rats, Acute Dermal Toxicity Study in Rabbits, Primary Dermal Irritation Study in

Rabbits, and Primary Eye Irritation Study in Rabbits of API 83-04 Light Catalytically Reformed Naphtha. (32-31473)

Dermal sensitization study in guinea pigs [by Hazleton Laboratories America Inc.]: API 83-04 light catalytically reformed naphtha (CAS 64741-63-5). Final report. (33-30496)

Four-Week Oral Nephrotoxicity Screening Study in Male F344 Rats [by Borriston Laboratories Inc.]. Final Report. (32-30966)

Renal Toxicity of [Vapors of] Gasoline and Related Petroleum Naphthas in Male Rats. (32-30414)

LIGHT PARAFFINIC DISTILLATE

Carcinogenicity Study

Lifetime dermal carcinogenesis/chronic toxicity screening bioassay of [11] refinery streams in C3H/HeJ mice. Twelve-month toxicity evaluation. (34-32865)

Lifetime dermal carcinogenesis/chronic toxicity screening bioassay of refinery streams in C3H/HeJ mice. Three-month toxicity evaluation report. Final report. (33-32010)

Short-term dermal tumorigenesis study of selected petroleum hydrocarbon [processing fractions] in male CD-1 mice. Initiation and promotion phases. (36-32643)

Twenty-four month dermal carcinogenesis/chronic toxicity screening bioassay of refinery streams in C3H/HeJ mice (AP-190r). Final Report. (36-33220)

Mutagenicity Study

Mutagenicity of API 84-01, light paraffinic distillate (CAS 64741-50-0), in a mouse lymphoma mutation assay. Final report. (33-32801)

Toxicity Study

Acute oral toxicity study in rats. Acute dermal toxicity study in rabbits. Primary dermal irritation study in rabbits. Primary eye irritation study in rabbits. Dermal sensitization study in guinea pigs. API 84-01, light paraffinic distillate (CAS 64741-50-0). Final report. (33-30595)

Lifetime dermal carcinogenesis/chronic toxicity screening bioassay of [11] refinery streams in C3H/HeJ mice. Twelve-month toxicity evaluation. (34-32865)

Lifetime dermal carcinogenesis/chronic toxicity screening bioassay of refinery streams in C3H/HeJ mice. Three-month toxicity evaluation report. Final report. (33-32010)

Short-term dermal tumorigenesis study of selected petroleum hydrocarbon [processing

fractions] in male CD-1 mice. Initiation and promotion phases. (36-32643)

Twenty-eight-day dermal toxicity study in the rabbit. API 84-01, light paraffinic distillate (CAS 64741-50-0). Final report [by Tegeris Laboratories Inc.]. (33-31642)

Twenty-four month dermal carcinogenesis/chronic toxicity screening bioassay of refinery streams in C3H/HeJ mice (AP-190r). Final Report. (36-33220)

LIGHT PARAFFINIC DISTILLATE SOLVENT EXTRACT

Carcinogenicity Study

Lifetime dermal carcinogenesis/chronic toxicity screening bioassay of [11] refinery streams in C3H/HeJ mice. Twelve-month toxicity evaluation. (34-32865)

Lifetime dermal carcinogenesis/chronic toxicity screening bioassay of refinery streams in C3H/HeJ mice. Three-month toxicity evaluation report. Final report. (33-32010)

Twenty-four month dermal carcinogenesis/chronic toxicity screening bioassay of refinery streams in C3H/HeJ mice (AP-190r). Final Report. (36-33220)

Mutagenicity Study

Mutagenicity of API 83-16, light paraffinic distillate solvent extract (petroleum) (CAS 64742-05-8), in a mouse lymphoma mutation assay. Final report. (33-32803)

Toxicity Study

28-Day dermal toxicity study in the rabbit. API 83-16, light paraffinic distillate solvent extract (CAS 64742-05-8). Final report [by Tegeris Laboratories Inc.]. (33-31695)

Acute oral toxicity study in rats. Acute dermal toxicity study in rabbits. Primary dermal irritation study in rabbits. Primary eye irritation study in rabbits. Dermal sensitization study in guinea pigs. API 83-16, light paraffinic distillate solvent extract (CAS 64742-05-8). (33-31226)

Lifetime dermal carcinogenesis/chronic toxicity screening bioassay of [11] refinery streams in C3H/HeJ mice. Twelve-month toxicity evaluation. (34-32865)

Lifetime dermal carcinogenesis/chronic toxicity screening bioassay of refinery streams in C3H/HeJ mice. Three-month toxicity evaluation report. Final report. (33-32010)

Twenty-four month dermal carcinogenesis/chronic toxicity screening bioassay of refinery streams in C3H/HeJ mice (AP-190r). Final Report. (36-33220)

LIGHT STRAIGHT RUN NAPHTHA

Toxicity Study

Renal Toxicity of [Vapors of] Gasoline and Related Petroleum Naphthas in Male Rats. (32-30414)

LITHIUM (REVIEW)

Toxicity Study

Lithium. (26-60067)

LUBRICANT BASE OILS (REVIEW)

Carcinogenicity Study

Toxicological Characteristics of Refinery Streams Used To Manufacture Lubricating Oils. (31-02438)

MTBE

Developmental Effects

A Single-Generation Inhalation Reproduction/Fertility Study in Rats with Methyl t-Butyl Ether (MTBE). (32-30239)

A teratology evaluation of methyl tertiary butyl ether in rats and mice (33-31095)

An Inhalation Teratology Study in Mice with Methyl t-Butyl Ether (MTBE). (32-30237)

An Inhalation Teratology Study in Rats with Methyl t-Butyl Ether (MTBE). (32-30236)

Odor and Taste

Odor threshold studies performed with gasoline and gasoline combined with MTBE, ETBE, and TAME. (41-01257)

Metabolism/Pharmacokinetics

The Metabolic Fate of Methyl t-Butyl Ether (MTBE) Following an Acute Intraperitoneal Injection. (32-30238)

Reproductive Effects

A Single-Generation Inhalation Reproduction/Fertility Study in Rats with Methyl t-Butyl Ether (MTBE). (32-30239)

Methyl tertiary butyl ether inhalation in rats: A single generation reproduction study. (35-30687)

Toxicity Study

A Nine Day Inhalation Toxicity Study of Methyl t-Butyl Ether in the Rat. (32-30235)

MTBE (REVIEW)

Odor and Taste

[A literature] review of published odor [threshold values (OTVs)] and taste threshold values [TTVs] of [the (276) soluble gasoline components (33-30589)]

MANGANESE (REVIEW)

Toxicity Study

Manganese. (26-60114)

MERCURY (REVIEW)

Toxicity Study

Cadmium, Zinc, and Mercury. (26-60115)

METABOLISM/PHARMACOKINETICS

Dermal

Absorption of petroleum products across the skin of monkey and man. Final report. (37-31827)

Absorption of petroleum products across the skin of the monkey and miniature pig. Annual report (Mar. 15, 1979-Mar. 14, 1980). (33-31034)

Disposition and pharmacokinetics of commercial hexane following IV bolus, dermal absorption or nose-only inhalation...Final report. (39-33107)

Percutaneous Absorption of Benzene (30-31994)

The Absorption of Petroleum Products across the Skin of Monkey and Man: Annual Report, Jan. 1, 1984 to Dec. (31-, 1984. (32-32749)

The Induction of Xenobiotic Metabolism in Rats on Exposure to Hydrocarbon-Based Oils. (30-31995)

[In-vitro measurements of the] penetration of benzene through human [abdominal] skin (33-31225)

Inhalation

Benzene pharmacokinetics and pharmacodynamics. (36-31431)

Disposition and pharmacokinetics of commercial hexane following IV bolus, dermal absorption or nose-only inhalation...Final report. (39-33107)

Studies on the absorption, tissue equilibria and excretion routes of inhaled hydrocarbon vapors and their metabolites (36-31430)

Studies on the absorption of inhaled hydrocarbon vapors. Final report. (34-33036)

[Studies of the] Absorption, Distribution, and Excretion of Ethylbenzene,

Ethylcyclohexane, and Methylethylbenzene Isomers in Rats (27-31528)

Intraperitoneal

The Metabolic Fate of Methyl t-Butyl Ether (MTBE) Following an Acute Intraperitoneal Injection. (32-30238)

Intravenous

Disposition and pharmacokinetics of commercial hexane following IV bolus, dermal absorption or nose-only inhalation...Final report. (39-33107)

The Absorption of Petroleum Products across the Skin of Monkey and Man: Annual Report, Jan. 1, 1984 to Dec. (31-, 1984. (32-32749)

Oral

Metabolic Model of Lead Kinetics Based upon Measured Organic Burdens during Chronic Exposure Experiments with [66] Infant and Juvenile Baboons. (31-30264)

An Organ Compartment Model of Lead Biokinetics. (30-31647)

Review

Benzene Toxicity. A Critical Evaluation (26-60074)

Polycyclic Aromatic Hydrocarbons [(PAHs)] : A Review (28-30174)

The Effects of n-Hexane in Man and Animals. (30-31603)

[A Review of] Benzene Metabolism (26-60076)

METHANOL

Human Exposure Assessment

Acute exposure to methanol in fuels: A prediction of ingestion incidence and toxicity. (36-31914)

METHANOL (REVIEW)

Neurotoxicity Study

Neurotoxicity of organic solvents with special reference to the neurobehavioral effects: A [world] literature review. (39-30623)

Odor and Taste

[A literature] review of published odor and taste threshold values of [the (276) soluble gasoline components. (33-30589)

Toxicity Study

Clinical toxicology of the acute ingestion of methanol/hydrocarbon blends. A state-of-the-art review. (39-31093)

Methanol health effects. Epidemiology literature review and search for study population--1. Critical review of the literature. 2. Search for study population. (39-31095)

Study of the relationship between folate status and methanol toxicity. (41-30101)

METHYL BUTYL KETONE (REVIEW)

Neurotoxicity Study

Neurotoxicity of organic solvents with special reference to the neurobehavioral effects: A [world] literature review (39-30623)

METHYL n-BUTYL KETONE

Neurotoxicity Study

Experimental Studies of Hexacarbon Neurotoxicity. Final Report. (29-32291)

METHYL CHLORIDE (REVIEW)

Neurotoxicity Study

Neurophysiological and Psychological Disorders and Occupational Exposure to Organic Solvents. (31-32980)

METHYL CHLOROFORM

Toxicity Study

The Myocardial Toxicity [to Dogs] of Selected Aliphatic Hydrocarbons, [Including Propane (P), n-Butane, Isobutane, and a Mixture of These Hydrocarbons (A-46), and Mixtures of Isobutane with Methyl Chloroform, Trichloroethylene, Methyl Ethyl Ketone, and Methyl Isobutyl Ketone]. (30-32013)

METHYL ETHYL KETONE

Toxicity Study

The Inhalation Toxicity of n-Hexane and Methyl Ethyl Ketone. (30-32005)

The Myocardial Toxicity [to Dogs] of Selected Aliphatic Hydrocarbons, [Including Propane (P), n-Butane, Isobutane, and a Mixture of These Hydrocarbons (A-46), and Mixtures of Isobutane with Methyl Chloroform, Trichloroethylene, Methyl Ethyl Ketone, and Methyl Isobutyl Ketone]. (30-32013)

METHYL ISOBUTYL KETONE

Toxicity Study

The Myocardial Toxicity [to Dogs] of Selected Aliphatic Hydrocarbons, [Including Propane (P), n-Butane, Isobutane, and a Mixture of These Hydrocarbons (A-46), and Mixtures of Isobutane with Methyl Chloroform, Trichloroethylene, Methyl Ethyl Ketone, and Methyl Isobutyl Ketone]. (30-32013)

2-METHYLBUTANE

Toxicity Study

Four-Week Oral Nephrotoxicity Screening Study in Male F344 Rats [by Borriston Laboratories Inc.]. Final Report. (32-30966)

METHYLCYCLOPENTANE

Metabolism/Pharmacokinetics

Disposition and pharmacokinetics of commercial hexane following IV bolus, dermal absorption or nose-only inhalation...Final report. (39-33107)

Studies on the absorption of inhaled hydrocarbon vapors. Final report. (34-33036)

Toxicity Study

Four-Week Oral Nephrotoxicity Screening Study in Male F344 Rats [by Borriston Laboratories Inc.]. Final Report. (32-30966)

2-METHYLDECANE

Toxicity Study

Final Report. A four-week oral nephrotoxicity screening study in male F344 rats (33-31097)

METHYLENE CHLORIDE (REVIEW)

Neurotoxicity Study

Neurotoxicity of organic solvents with special reference to the neurobehavioral effects: A [world] literature review (39-30623)

METHYLENE DICHLORIDE (REVIEW)

Neurotoxicity Study

Neurophysiological and Psychological Disorders and Occupational Exposure to Organic Solvents. (31-32980)

METHYLETHYLBENZENE*Metabolism/Pharmacokinetics*

[Studies of the] Absorption, Distribution, and Excretion of Ethylbenzene, Ethylcyclohexane, and Methylstyrene Isomers in Rats (27-31528)

2-METHYLHEXANE*Toxicity Study*

Four-Week Oral Nephrotoxicity Screening Study in Male F344 Rats [by Borriston Laboratories Inc.]. Final Report. (32-30966)

1-METHYLNAPHTHALENE*Aquatic Toxicity*

The Effects of Oil on Estuarine Animals: Toxicity, Uptake and Depuration, Respiration. (26-60030)

3-METHYLOCTANE*Toxicity Study*

Final Report. A four-week oral nephrotoxicity screening study in male F344 rats (33-31097)

2-METHYLPENTANE*Metabolism/Pharmacokinetics*

Studies on the absorption of inhaled hydrocarbon vapors. Final report. (34-33036)

Toxicity Study

Four-Week Oral Nephrotoxicity Screening Study in Male F344 Rats [by Borriston Laboratories Inc.]. Final Report. (32-30966)

2-METHYL-2-PENTENE*Toxicity Study*

Four-Week Oral Nephrotoxicity Screening Study in Male F344 Rats [by Borriston Laboratories Inc.]. Final Report. (32-30966)

MIDDLE DISTILLATE (10% CC STOCK)*Carcinogenicity Study*

Lifetime Dermal Carcinogenesis/Chronic Toxicity Screening Bioassay of Refinery Streams in C3H/HeJ Mice. Three-Month

Toxicity Evaluation Report. [Vol. 1 and 2]. (32-3263)

Lifetime dermal carcinogenesis/chronic toxicity screening bioassay of refinery streams in C3H/HeJ mice. Twelve-month toxicity evaluation report. Final report. [Vol. 1-3]. (33-31451)

The Carcinogenic Potential of Key Petroleum Products. (30-31646)

Toxicity Study

Lifetime Dermal Carcinogenesis/Chronic Toxicity Screening Bioassay of Refinery Streams in C3H/HeJ Mice. Three-Month Toxicity Evaluation Report. [Vol. 1-2]. (32-32653)

Lifetime dermal carcinogenesis/chronic toxicity screening bioassay of refinery streams in C3H/HeJ mice. Twelve-month toxicity evaluation report. Final report. [Vol. 1-3]. (33-31451)

MIDDLE DISTILLATE (30% CC STOCK)*Carcinogenicity Study*

Lifetime Dermal Carcinogenesis/Chronic Toxicity Screening Bioassay of Refinery Streams in C3H/HeJ Mice. Three-Month Toxicity Evaluation Report. [Vol. 1-2]. (32-32653)

Lifetime dermal carcinogenesis/chronic toxicity screening bioassay of refinery streams in C3H/HeJ mice. Twelve-month toxicity evaluation report. Final report. [Vol. 1-3]. (33-31451)

The Carcinogenic Potential of Key Petroleum Products (30-31646)

Toxicity Study

Lifetime Dermal Carcinogenesis/Chronic Toxicity Screening Bioassay of Refinery Streams in C3H/HeJ Mice. Three-Month Toxicity Evaluation Report. [Vol. 1-2]. (32-32653)

Lifetime dermal carcinogenesis/chronic toxicity screening bioassay of refinery streams in C3H/HeJ mice. Twelve-month toxicity evaluation report. Final report. [Vol. 1-3]. (33-31451)

MIDDLE DISTILLATE (50% CC STOCK)*Carcinogenicity Study*

Lifetime Dermal Carcinogenesis/Chronic Toxicity Screening Bioassay of Refinery Streams in C3H/HeJ Mice. Three-Month Toxicity Evaluation Report. [Vol. 1-2]. (32-32653)

Lifetime dermal carcinogenesis/chronic toxicity screening bioassay of refinery streams in

C3H/HeJ mice. Twelve-month toxicity evaluation report. Final report. [Vol. 1-3]. (33-31451)

Short-term dermal tumorigenesis study of selected petroleum hydrocarbon [processing fractions] in male CD-1 mice. Initiation and promotion phases. (36-32643)

The Carcinogenic Potential of Key Petroleum Products (30-31646)

Toxicity Study

Lifetime Dermal Carcinogenesis/Chronic Toxicity Screening Bioassay of Refinery Streams in C3H/HeJ Mice. Three-Month Toxicity Evaluation Report. [Vol. 1-2]. (32-32653)

Lifetime dermal carcinogenesis/chronic toxicity screening bioassay of refinery streams in C3H/HeJ mice. Twelve-month toxicity evaluation report. Final report. [Vol. 1-3]. (33-31451)

MINERAL OIL*Mutagenicity Study*

Mutagenicity Evaluation of Six Petroleum Substances in an In-Vivo/In-Vitro Urine Assay. (30-31037)

Toxicity Study

A 90-day feeding study in the rat with six different white mineral oils (N15 (H), N70 (H), N70 (A), P15 (H), N10 (A), and P100 (H), three different mineral waxes (a low-melting-point wax, a high-melting-point wax, and a high-sulphur wax) and coconut oil. July 1992. (39-32387)

MINERAL OIL (REVIEW)*Toxicity Study*

API Mineral Oil Review. (39-31651)

MINERAL SEAL OIL (REVIEW)*Toxicity Study*

Clinical toxicology of the acute ingestion of methanol/hydrocarbon blends. A state-of-the-art review. (39-31093)

MINERAL SPIRITS (REVIEW)*Toxicity Study*

Clinical toxicology of the acute ingestion of methanol/hydrocarbon blends. A state-of-the-art review. (39-31093)

MINERAL TURPENTINE (REVIEW)*Toxicity Study*

A Review of the Human Kidney Effects of Hydrocarbon Exposure (32-30410)

MODELING*Metabolism/Pharmacokinetics*

An Organ Compartment Model of Lead Biokinetics. (30-31647)

MOLYBDENUM (REVIEW)*Toxicity Study*

Chromium. (26-60113)

MOTOR OIL - NEW*Toxicity Study*

The Acute Toxicology of Selected Petroleum Hydrocarbons. (30-31530)

MOTOR OIL - USED*Metabolism/Pharmacokinetics*

The Induction of Xenobiotic Metabolism in Rats on Exposure to Hydrocarbon-Based Oils. (30-31995)

Toxicity Study

The Acute Toxicology of Selected Petroleum Hydrocarbons. (30-31530)

MOTOR OIL COMPOSITE - NEW*Carcinogenicity Study*

The Carcinogenicity of New and Used Lubricants. (30-32847)

Mutagenicity Study

In-Vitro and In-Vivo Mutagenicity Studies. New Oil Composite [Motor Oil]. Final Report. (27-00325)

Mutagenicity Evaluation of Petroleum Hydrocarbons. (30-31997)

Toxicity Study

[Project No. 1443] /Acute Toxicity Tests [of] API #78-1, New Composite Motor Oil. (27-32131)

MOTOR OIL COMPOSITE - USED*Carcinogenicity Study*

The Carcinogenicity of New and Used Lubricants. (30-32847)

Toxicity Study

[Project No. 1443] Acute Toxicity Tests. API 79-7 Used Composite Motor Oil. (27-32772)

MUTAGENICITY STUDY*Ames test*

Adapting the Ames Salmonella Assay to Complex Hydrocarbon Mixtures. Final Report. (32-32856)

Estimation of the Mutagenicity of Hydrocarbon Fractions Utilizing the Bacterial Assay Procedure with Mammalian Tissue Metabolic Activation. API Project PS-4 #6. (26-60103)

Evaluation of Techniques for Mutagenicity Screening of Petroleum Hydrocarbons. (30-31588)

In-Vitro and In-Vivo Mutagenicity Studies. Jet Fuel A. Final Report. (27-30051)

In-Vitro and In-Vivo Mutagenicity Studies. New Oil Composite [Motor Oil]. Final Report. (27-00325)

In-Vitro and In-Vivo Mutagenicity Studies. No. 2 Home Heating Oil. Final Report. (27-30140)

In-Vitro and In-Vitro Mutagenicity Studies. Delayed Process Coke. (Petroleum Coking Sample 4-1-140). A Revised Final Report. (28-30728)

In-Vitro and In-Vitro Mutagenicity Studies. Fluid Process Coke. (Petroleum Coking Sample 6-1-468). A Revised Final Report. (28-30726)

In-Vitro and In-Vitro Mutagenicity Studies. Paraffinic Oil 78-10, 150 SUS/100 °F. Final Report. (28-31868)

In-Vitro and In-Vitro Mutagenicity Studies. Paraffinic Oil 78-9, 70 SUS/100 °F. Final Report. (28-31864)

In-Vitro and In-Vitro Mutagenicity Studies. Paraffinic Oil 79-3, 350 SUS/100 °F. Final Report. (28-31865)

In-Vitro and In-Vitro Mutagenicity Studies. Paraffinic Oil 79-4, 550 SUS/100 °F. Final Report. (28-31866)

In-Vitro and In-Vitro Mutagenicity Studies. Paraffinic Oil 79-5, 800 SUS/100 °F. Final Report. (28-31867)

In-Vitro and In-Vitro Mutagenicity Studies. Quench Water from Delayed Process

Coke. Liquid 7-1-100. A Revised Final Report. (28-30725)

In-Vivo and In-Vitro Mutagenicity Studies. Solid Condensed Emission Product from Delayed Coke Process. (Petroleum Coking Sample 3-1-134). (28-30727)

Mutagenic Evaluation of 60 Solvent (CHF-33-148). (26-60003)

Mutagenic Evaluation of Filtered Rubber Solvent (CHF-32-263). (26-60016)

Mutagenic Evaluation of Rubber Solvent (CHF-32-263). (26-60011)

Mutagenicity Evaluation of Benzene...Final Report. (26-60092)

Mutagenicity Evaluation of Diesel Fuel. (26-60102)

Mutagenicity Evaluation of Kerosene. Final Report. (26-60017)

Mutagenicity Evaluation of Petroleum Hydrocarbons. (30-31997)

Mutagenicity Evaluation of Raw Shale. Final Report. (26-60044)

Mutagenicity Evaluation of Retorted Shale. Final Report. (26-60006)

Mutagenicity Evaluation of Six Petroleum Substances in an In-Vivo/In-Vitro Urine Assay. (30-31037)

Mutagenicity Evaluation of Stoddard [Solvent] "Fuel". (26-60010)

Mutagenicity Evaluation of Toluene. (26-60020)

Mutagenicity Evaluation of Unleaded Gasoline: Final Report. (28-30173)

Mutagenicity Evaluation of Xylene. (26-60018)

Mutagenicity Evaluation of [Raw Shale] RS-101. Final Report. (26-60021)

Mutagenicity Evaluation of [Shale Oil] R-01. Draft Report. (26-60004)

Mutagenicity Evaluation of [Shale Oil] R-03. Draft Report. (26-60005)

Mutagenicity Evaluation of [Shale Oil] R-04. (26-60009)

Mutagenicity of Automotive Particulate Exhaust. The Influence of Fuel Extenders, Additives, and Aromatic Content (30-31998)

Mutagenicity test on ASTM D-3734 Type I C₉ in the Ames *Salmonella*/microsome reverse mutation assay. Final report. (35-30932)

Polynuclear aromatic analyses and modified Ames tests on base lube [lubricating] stocks. (36-33219)

Salmonella/mammalian-microsome plate incorporation mutagenicity assay (Ames test). Final report. (33-30599)

The mutagenic potential of high flash aromatic naphtha. (36-33132)

Use of the Ames Assay To Detect Diurnal Variations in Fractions of Extracted Particulate Organic Matter. (29-32827)

Salmonella/mammalian-microsome mutagenicity assay of the vapor phase of commercial hexane using the desiccator methodology. (36-32641)

Cell transformation assay

Final Report: Testing of API Petroleum Fractions for Genotoxicity in C3H/10T1/2 Cells. (30-31038)

Morphological transformation of BALB/3T3 mouse embryo cells. API 81-15, catalytically cracked clarified oil (CAS 64741-62-4). Final report [by Microbiological Associates Inc.]. (33-32638)

Morphological transformation of BALB/3T3 mouse embryo cells. API PS-8-76C2. Final report. (34-30859)

Morphological transformation of BALB/3T3 mouse embryo cells. API PS-8-76D5 ARO. Final report. (34-30858)

CHO/HGPRT mutation assay

CHO [(Chinese Hamster Ovary)] /HGPRT [(Hypoxanthine-Guanine Phosphoribosyl Transferase)] Mammalian Cell Forward Gene Mutation Assay of API [Sample] RO-1 Retorted Shale Oil. Final Report. (32-32744)

CHO [(Chinese hamster ovary)]/HGPRT mutation assay of commercial hexane. Final Report. (37-31487)

CHO/HGPRT [(Chinese Hamster Ovary/ Hypoxanthine-Guanine Phosphoribosyl Transferase)] Mammalian Cell Forward Gene Mutation Assay of API 81-15. (32-32118)

Mutagenicity test on ASTM D-3734 Type I C₉ in the CHO/HGPRT [(Chinese hamster ovary/hypoxanthine-guanine phosphoribosyl transferase)] forward mutation suspension assay. Final Report. (35-30935)

The mutagenic potential of high flash aromatic naphtha. (36-33132)

Chromosomal aberrations

Chromosome aberrations in Chinese hamster ovary (CHO) cells exposed to commercial hexane (37-31152)

Mutagenicity test on ASTM D-3734 Type I C₉ in an in vitro cytogenetic assay measuring chromosomal aberration frequencies in Chinese hamster ovary (CHO) cells. Final report. (35-30934)

Dominant lethal assay

Mutagenic Evaluation of 60 Solvent (CHF-33-148). (26-60003)

Mutagenic Evaluation of Filtered Rubber Solvent (CHF-32-263). (26-60016)

Mutagenic Evaluation of Rubber Solvent (CHF-32-263). (26-60011)

Mutagenicity Study of Thirteen Petroleum Fractions. (26-60098)

[Bio/dynamics Inc. Project No. 79-7342] /A Dominant-Lethal Inhalation Study with

Benzene in Rats [and Effects on Male Reproductive Performance]. (28-31211)

[Final Report on the] Mutagenicity Evaluation of n-Hexane in the Mouse Dominant Lethal Assay. (27-32179)

[Litton Bionetics Inc. Project No. 21141-02] /Mutagenicity Evaluation of Gasoline, API PS-6 Fuel (Unleaded) in the Mouse Dominant Lethal Assay. Final Report. (28-31344)

[Litton Bionetics Inc. Project No. 21141-03] /Mutagenicity Evaluation of Jet Fuel A in the Mouse Dominant Lethal Assay. Final Report. (28-31345)

[Litton Bionetics Inc. Project No. 21141-04] /Mutagenicity Evaluation of Diesel Fuel in the Mouse Dominant Lethal Assay. Final Report. (28-31346)

[Litton Bionetics Inc. Project No. 21141-05] /Mutagenicity Evaluation of Toluene in the Mouse Dominant Lethal Assay. Final Report. (28-31347)

HEPM cell growth inhibition assay

Human embryonic palatal mesenchyme (HEPM) cell growth inhibition assay [of API-81-15 (catalytic cracked clarified oil)]...S-9 mediated assay (36-31910)

Human embryonic palatal mesenchyme (HEPM) cell growth inhibition assay [of API-86-02 (a dark viscous petroleum liquid)] (36-31911)

Human embryonic palatal mesenchyme (HEPM) cell growth inhibition assay [of API-86-02 (a dark viscous petroleum liquid)]...S-9 mediated assay (36-31912)

Human embryonic palatal mesenchyme (HEPM) cell growth inhibition assay [of BaP] (36-31913)

Human embryonic palatal mesenchyme (HEPM) cell growth inhibition assay [of BaP] (36-31913)

Human embryonic palatal mesenchyme (HEPM) cell growth inhibition assay [with toluene]...Final report. (37-30618)

Human embryonic palatal mesenchyme (HEPM) cell growth inhibition assay...S-9 mediated assay [with benzo(a)pyrene (BaP)]...Final report. (37-30619)

Human embryonic palatal mesenchyme (HEPM) cell growth inhibition assay...S-9 mediated assay [with toluene]...Final report. (37-30620)

The human embryonic palatal mesenchyme (HEPM) cell growth inhibition assay [of API-81-15 (catalytic cracked clarified oil)] (36-31909)

In vitro

Characterization of the Effects of Beta-Propiolactone and Anthralin on Transformation of BALB/3T3 Cells. (29-32681)

Micronuclei frequency

Evaluation of Micronuclei [(MN)] Frequency in the Peripheral Blood of Male and Female CD-1 Mice Exposed Chemically to Benzene for 90 Days. Final Report. (32-32855)

Mouse embryo limb bud

Evaluation of API 81-15 (catalytic cracked clarified oil) in the in-vitro assay for chemical teratogenic potential: Inhibition of proteoglycan synthesis. Final report. (35-31938)

Evaluation of API 86-02 (solvent refined coal distillate) in the in-vitro assay for chemical teratogenic potential: Inhibition of proteoglycan synthesis. Final report. (35-31936)

Evaluation of benzo(a)pyrene in the in-vitro assay for chemical teratogenic potential: Inhibition of proteoglycan synthesis. Final report. (35-31937)

Evaluation of toluene in the in-vitro assay for chemical teratogenic potential: Inhibition of proteoglycan synthesis. Final report. (35-31939)

Mouse lymphoma mutation assay

An L5178Y TK+/- Mouse Lymphoma Mutagenesis Assay of API 83-11 [(Straight Run Middle Distillate) by Microbiological Associates Inc.]. (32-31768)

In-Vitro and In-Vivo Mutagenicity Studies. Jet Fuel A. Final Report. (27-30051)

In-Vitro and In-Vivo Mutagenicity Studies. New Oil Composite [Motor Oil]. Final Report. (27-00325)

In-Vitro and In-Vivo Mutagenicity Studies. No. 2 Home Heating Oil. Final Report. (27-30140)

In-Vitro and In-Vitro Mutagenicity Studies. Delayed Process Coke. (Petroleum Coking Sample 4-1-140). A Revised Final Report. (28-30728)

In-Vitro and In-Vitro Mutagenicity Studies. Fluid Process Coke. (Petroleum Coking Sample 6-1-468). A Revised Final Report. (28-30726)

In-Vitro and In-Vitro Mutagenicity Studies. Paraffinic Oil 78-10, 150 SUS/100 °F. Final Report. (28-31868)

In-Vitro and In-Vitro Mutagenicity Studies. Paraffinic Oil 78-9, 70 SUS/100 °F. Final Report. (28-31864)

In-Vitro and In-Vitro Mutagenicity Studies. Paraffinic Oil 79-3, 350 SUS/100 °F. Final Report. (28-31865)

In-Vitro and In-Vitro Mutagenicity Studies. Paraffinic Oil 79-4, 550 SUS/100 °F. Final Report. (28-31866)

In-Vitro and In-Vitro Mutagenicity Studies.

- Paraffinic Oil 79-5, 800 SUS/100 °F. Final Report. (28-31867)
- In-Vivo and In-Vitro Mutagenicity Studies. Quench Water from Delayed Process Coke. Liquid 7-1-100. A Revised Final Report. (28-30725)
- In-Vivo and In-Vitro Mutagenicity Studies. Solid Condensed Emission Product from Delayed Coke Process. (Petroleum Coking Sample 3-1-134). (28-30727)
- In-Vivo and In-Vitro Mutagenicity Studies. n-Hexane (Hexane UV). Final Report. (28-31628)
- L5178Y TK+/- Mouse Lymphoma Mutagenesis Assay of API 81-04, [Light Catalytic Cracked Naphtha] (32-31710)
- L5178Y TK+/- Mouse Lymphoma Mutagenesis Assay of API 83-08, [Light Catalytic Cracked Distillate] (32-31709)
- L5178Y TK+/- Mouse Lymphoma Mutagenesis Assay of API [Sample] 83-19, Light Alkylate Naphtha. Final Report. (32-32746)
- L5178Y TK+/- Mouse Lymphoma Mutagenesis Assay. API 83-06, heavy catalytically reformed naphtha (CAS 64741-68-0). Final report [by Microbiological Associates Inc.]. (33-31641)
- L5178Y TK+/- Mouse Lymphoma Mutagenesis Assay. API [Sample] 83-09, Straight-Run Kerosine (CAS 8008-20-6). Final Report. (32-32745)
- Mutagenic Evaluation of 60 Solvent (CHF-33-148). (26-60003)
- Mutagenic Evaluation of Filtered Rubber Solvent (CHF-32-263). (26-60016)
- Mutagenic Evaluation of Rubber Solvent (CHF-32-263). (26-60011)
- Mutagenicity Evaluation Studies [of Catalytically Cracked Clarified Oil (API Sample #81-15)] in the Rat Bone Marrow Cytogenetic Assay and in the Mouse Lymphoma Forward Mutation Assay. Final Report. (32-30534)
- Mutagenicity Evaluation Studies [of Hydrodesulfurized Middle Distillate (D), API Sample 81-10] in the Rat Bone Marrow Cytogenetic Assay and in the Mouse Lymphoma Forward Mutation Assay. Final Report. (32-30535)
- Mutagenicity Evaluation Studies in the Rat Bone Marrow Cytogenetic Assay [and] in the Mouse Lymphoma Forward Mutation Assay of Light Catalytically Cracked Naphtha, [API] Sample 81-03. Final Report. (32-31300)
- Mutagenicity Evaluation Studies in the Rat Bone Marrow Cytogenetic Assay [and] in the Mouse Lymphoma Forward Mutation Assay. Hydrodesulfurized Kerosine, API Sample 81-07. Final Report. (32-30240)
- Mutagenicity Evaluation Studies in the Rat Bone Marrow Cytogenetic Assay [and] in the Mouse Lymphoma Forward Mutation Assay. Vacuum Residuum...API Sample 81-13. (31-30614)
- Mutagenicity Evaluation Studies in the Rat Bone Marrow Cytogenetic Assay and in the Mouse Lymphoma Forward Mutation Assay. Hydrodesulfurized Middle Distillate, API Sample 81-09. Final Report. (32-30965)
- Mutagenicity Evaluation Studies in the Rat Bone Marrow Cytogenetic Assay and in the Mouse Lymphoma Forward Mutation Assay. Vacuum Residuum...API Sample 81-14. (31-30615)
- Mutagenicity Evaluation in the Mouse Lymphoma Forward Mutation Assay, API #83-06, Heavy Catalytically Reformed Naphtha. Final Report. (32-32460)
- Mutagenicity Evaluation of API #83-04 in the Mouse Lymphoma Forward Mutation Assay. Final Report. (32-32168)
- Mutagenicity Evaluation of API #83-11 in the Mouse Lymphoma Forward Mutation Assay. (32-32166)
- Mutagenicity Evaluation of API 78-5, 100 SUS/100 °F Naphthenic Oil. Final Report. (29-32359)
- Mutagenicity Evaluation of API 79-1, 90 SUS/210 °F Naphthenic Oil. Final Report. (29-32360)
- Mutagenicity Evaluation of API 83-07 in the Mouse Lymphoma Forward Mutation Assay. Final Reports. (32-32167)
- Mutagenicity Evaluation of Benzene...Final Report. (26-60092)
- Mutagenicity Evaluation of Catalytic Reformed Naphtha, API #83-05, in the Mouse Lymphoma Forward Mutation Assay. Final Report. (32-32459)
- Mutagenicity Evaluation of Certified Cyclohexane. Final Report. (29-32357)
- Mutagenicity Evaluation of Diesel Fuel. (26-60102)
- Mutagenicity Evaluation of Kerosene. Final Report. (26-60017)
- Mutagenicity Evaluation of Petroleum Hydrocarbons. (30-31997)
- Mutagenicity Evaluation of Raw Shale. Final Report. (26-60044)
- Mutagenicity Evaluation of Retorted Shale. Final Report. (26-60006)
- Mutagenicity Evaluation of Stoddard [Solvent] "Fuel". (26-60010)
- Mutagenicity Evaluation of Toluene. (26-60020)
- Mutagenicity Evaluation of Unleaded Gasoline: Final Report. (28-30173)
- Mutagenicity Evaluation of Xylene. (26-60018)
- Mutagenicity Evaluation of [Raw Shale] RS-101. Final Report. (26-60021)
- Mutagenicity Evaluation of [Shale Oil] R-01. Draft Report. (26-60004)
- Mutagenicity Evaluation of [Shale Oil] R-03. Draft Report. (26-60005)
- Mutagenicity Evaluation of [Shale Oil] R-04. (26-60009)
- Mutagenicity in a mouse lymphoma mutation assay. API 81-10, hydrodesulfurized middle distillate (CAS 64742-80-9). Final report. (33-31224)
- Mutagenicity of API 81-10 ARO, aromatic fraction of hydrodesulfurized middle distillate (CAS 64742-80-9) (coded as API 86-10 ARO) in a mouse lymphoma mutation assay. Final report. (34-32644)
- Mutagenicity of API 81-10 SAT, saturated fraction of hydrodesulfurized middle distillate (CAS 64742-80-9) (coded as API 86-10 SAT) in a mouse lymphoma mutation assay. Final report. (34-32645)
- Mutagenicity of API 81-10, hydrodesulfurized middle distillate (CAS 64742-80-9) (coded as API 86-10) in a mouse lymphoma mutation assay. Final report. (34-32643)
- Mutagenicity of API 83-12, hydrotreated light naphthenic distillate (CAS 64742-53-6) in a mouse lymphoma mutation assay. Final report. (33-32802)
- Mutagenicity of API 83-15, hydrotreated heavy naphthenic distillate, (CAS 64742-52-5), in a mouse lymphoma mutation assay. Final report. (33-32800)
- Mutagenicity of API 83-16, light paraffinic distillate solvent extract (petroleum) (CAS 64742-05-8), in a mouse lymphoma mutation assay. Final report. (33-32803)
- Mutagenicity of API 83-18, heavy catalytic cracked naphtha (petroleum) (CAS 64741-54-4), in a mouse lymphoma mutation assay. Final report. (33-32804)
- Mutagenicity of API 83-20, light catalytic cracked naphtha (CAS 64741-55-5) in a mouse lymphoma mutation assay. Final report. (34-30633)
- Mutagenicity of API 84-01, light paraffinic distillate (CAS 64741-50-0), in a mouse lymphoma mutation assay. Final report. (33-32801)
- Mutagenicity of API 84-02, heavy thermal cracked naphtha (CAS 64741-83-9) in a mouse lymphoma mutation assay. Final report. (34-30632)
- Mutagenicity of API 85-01, Stoddard solvent (CAS 8052-41-3), in a mouse lymphoma mutation assay. Final report [by Litton Bionetics Inc.]. (34-30329)
- The L5178Y TK +/- mouse lymphoma mutagenesis assay with octane. Final report. (35-31365)
- The L5178Y TK+/- mouse lymphoma mutagenesis assay with 2,2,4-trimethylpentane. Final report. (34-33107)
- The L5178Y TK+/- mouse lymphoma mutagenesis assay with 2,3-dimethylbutane. Final report. (34-33109)
- [A Final Report by Litton Bionetics Inc. on] Mutagenicity Evaluation Studies in the Mouse Lymphoma Forward Mutation Assay [with] Sweetened Naphtha, [API] Sample 81-08. (32-31233)

[This final report on] the L5178Y TK+/- mouse lymphoma mutagenesis assay with API 220-280 °F distillate fraction of unleaded gasoline (34-33108)

Mouse ovarian tumor cell attachment assay

Mouse ovarian tumor (MOT) cell attachment assay with API 81-15: Catalytic cracked clarified oil. Final report. (35-32480)
 Mouse ovarian tumor (MOT) cell attachment assay with API 86-02: Solvent refined coal distillate. Final report. (35-32481)
 Mouse ovarian tumor (MOT) cell attachment assay with benzo(a)pyrene. (37-31149)
 Mouse ovarian tumor (MOT) cell attachment assay with toluene. (37-31150)

Rat bone marrow cytogenetics

Activity of API 81-04 in the Acute In-Vivo Cytogenetics Assay in Male and Female Rats. Final Report. (32-32288)
 Activity of API 83-06 (heavy catalytic reformed naphtha) in the acute in vivo cytogenetics assay in male and female rats. Final report. (33-30494)
 Activity of API 83-08 (light catalytic cracked distillate) in the acute in-vivo cytogenetics assay in male and female rats. Final report. (33-30493)
 Acute In-Vivo Cytogenetics Assay in Male and Female Rats of API 83-11. Final Report. (32-32408)
 Acute In-Vivo Cytogenetics Assay in Male and Female Rats of API 83-19. Final Report. (32-32409)
 Evaluation of C₉ aromatic hydrocarbons for mutagenic potential...Bone marrow cytogenetics test in rats. Final report. (35-30936)
 Further Studies of the Mutagenicity of Hydrocarbon Fractions [by] Utilizing Somatic Mutations in Rats. (26-60100)
 In-Vitro and In-Vivo Mutagenicity Studies. Jet Fuel A. Final Report. (27-30051)
 In-Vitro and In-Vivo Mutagenicity Studies. New Oil Composite [Motor Oil]. Final Report. (27-00325)
 In-Vitro and In-Vivo Mutagenicity Studies. No. 2 Home Heating Oil. Final Report. (27-30140)
 In-Vitro and In-Vitro Mutagenicity Studies. Delayed Process Coke. (Petroleum Coking Sample 4-1-140). A Revised Final Report. (28-30728)
 In-Vitro and In-Vitro Mutagenicity Studies. Fluid Process Coke. (Petroleum Coking Sample 6-1-468). A Revised Final Report. (28-30726)
 In-Vitro and In-Vitro Mutagenicity Studies. Paraffinic Oil 78-10, 150 SUS/100 °F. Final Report. (28-31868)
 In-Vitro and In-Vitro Mutagenicity Studies.

Paraffinic Oil 78-9, 70 SUS/100 °F. Final Report. (28-31864)
 In-Vitro and In-Vitro Mutagenicity Studies. Paraffinic Oil 79-3, 350 SUS/100 °F. Final Report. (28-31865)
 In-Vitro and In-Vitro Mutagenicity Studies. Paraffinic Oil 79-4, 550 SUS/100 °F. Final Report. (28-31866)
 In-Vitro and In-Vitro Mutagenicity Studies. Paraffinic Oil 79-5, 800 SUS/100 °F. Final Report. (28-31867)
 In-Vitro and In-Vitro Mutagenicity Studies. Quench Water from Delayed Process Coke. Liquid 7-1-100. A Revised Final Report. (28-30725)
 In-Vitro and In-Vitro Mutagenicity Studies. Solid Condensed Emission Product from Delayed Coke Process. (Petroleum Coking Sample 3-1-134). (28-30727)
 In-Vitro and In-Vitro Mutagenicity Studies. n-Hexane (Hexane UV). Final Report. (28-31628)
 Inhalation Cytogenetics in Mice and Rats Exposed to Benzene. (30-31996)
 Mutagenic Evaluation of 60 Solvent (CHF-33-148). (26-60003)
 Mutagenic Evaluation of Filtered Rubber Solvent (CHF-32-263). (26-60016)
 Mutagenic Evaluation of Rubber Solvent (CHF-32-263). (26-60011)
 Mutagenicity Evaluation Studies [of Catalytically Cracked Clarified Oil (API Sample #81-15)] in the Rat Bone Marrow Cytogenetic Assay and in the Mouse Lymphoma Forward Mutation Assay. Final Report. (32-30534)
 Mutagenicity Evaluation Studies [of Hydrodesulfurized Middle Distillate (D), API Sample 81-10] in the Rat Bone Marrow Cytogenetic Assay and in the Mouse Lymphoma Forward Mutation Assay. Final Report. (32-30535)
 Mutagenicity Evaluation Studies in the Rat Bone Marrow Cytogenetic Assay [and] in the Mouse Lymphoma Forward Mutation Assay of Light Catalytically Cracked Naphtha, [API] Sample 81-03. Final Report. (32-31300)
 Mutagenicity Evaluation Studies in the Rat Bone Marrow Cytogenetic Assay [and] in the Mouse Lymphoma Forward Mutation Assay. Hydrodesulfurized Kerosene, API Sample 81-07. Final Report. (32-30240)
 Mutagenicity Evaluation Studies in the Rat Bone Marrow Cytogenetic Assay [and] in the Mouse Lymphoma Forward Mutation Assay. Vacuum Residuum...API Sample 81-13. (31-30614)
 Mutagenicity Evaluation Studies in the Rat Bone Marrow Cytogenetic Assay and in the Mouse Lymphoma Forward Mutation Assay. Hydrodesulfurized Middle Distillate, API Sample 81-09. Final Report. (32-30965)

Mutagenicity Evaluation Studies in the Rat Bone Marrow Cytogenetic Assay and in the Mouse Lymphoma Forward Mutation Assay. Vacuum Residuum...API Sample 81-14. (31-30615)
 Mutagenicity Evaluation of 83-05 in the Rat Bone Marrow Cytogenetic Assay. Final Report. (32-32289)
 Mutagenicity Evaluation of API 78-5, 100 SUS/100 °F Naphthenic Oil. Final Report. (29-32359)
 Mutagenicity Evaluation of API 79-1, 90 SUS/210 °F Naphthenic Oil. Final Report. (29-32360)
 Mutagenicity Evaluation of Benzene...Final Report. (26-60092)
 Mutagenicity Evaluation of Certified Cyclohexane. Final Report. (29-32357)
 Mutagenicity Evaluation of Diesel Fuel. (26-60102)
 Mutagenicity Evaluation of Kerosene. Final Report. (26-60017)
 Mutagenicity Evaluation of Petroleum Hydrocarbons. (30-31997)
 Mutagenicity Evaluation of Raw Shale. Final Report. (26-60044)
 Mutagenicity Evaluation of Retorted Shale. Final Report. (26-60006)
 Mutagenicity Evaluation of Stoddard [Solvent] "Fuel". (26-60010)
 Mutagenicity Evaluation of Toluene. (26-60020)
 Mutagenicity Evaluation of Unleaded Gasoline: Final Report. (28-30173)
 Mutagenicity Evaluation of Xylene. (26-60018)
 Mutagenicity Evaluation of [Raw Shale] RS-101. Final Report. (26-60021)
 Mutagenicity Evaluation of [Shale Oil] R-01. Draft Report. (26-60004)
 Mutagenicity Evaluation of [Shale Oil] R-03. Draft Report. (26-60005)
 Mutagenicity Evaluation of [Shale Oil] R-04. (26-60009)
 Mutagenicity evaluation in the rat bone marrow cytogenetic assay. API 81-08, sweetened naphtha (CAS 64741-87-3). Final report [by Litton Bionetics Inc.]. (33-31093)
 Mutagenicity evaluation in the rat bone marrow cytogenetic assay. API 83-04, light catalytically reformed naphtha (CAS 64741-63-5). Final report [by Litton Bionetics Inc.]. (33-31092)
 Mutagenicity evaluation in the rat bone marrow cytogenetic assay. API 83-07, light catalytically cracked distillate (CAS 64741-59-9). Final report. (33-30929)
 Mutagenicity evaluation in the rat bone marrow cytogenetic assay. API 83-11, straight run middle distillate (CAS 64741-44-2). Final report. (33-30930)
 Rat Bone Marrow Cytogenetic Analysis [for] Unleaded Gasoline...Final Report. (26-60099)
 Subchronic in-vivo cytogenetics assay in rats using nose-only inhalation exposure to

commercial hexane. Final report. (37-31830)

The Acute In-Vivo Cytogenetics Assay in Male and Female Rats of API 83-09 [(Straight-Run Kerosine)]. Final Report. (32-31769)

The mutagenic potential of high flash aromatic naphtha. (36-33132)

Sister chromatid exchange (in-vitro) (CHO)

Mutagenicity test on ASTM D-3734 Type I C₉ in an in vitro cytogenetic assay measuring sister chromatid exchange frequencies in Chinese hamster ovary (CHO) cells. Final report. (35-30933)

Sister Chromatid Exchange Assay in Chinese Hamster Ovary (CHO) Cells [Exposed to] PS-8-D5-Saturates. Final Report. (32-32731)

Sister Chromatid Exchange Assay in Chinese Hamster Ovary (CHO) Cells. API 81-15, Catalytically Cracked, Clarified Oil (CAS 64741-62-4). Final Report. (32-32750)

Sister chromatid exchange assay in Chinese hamster ovary (CHO) cells with API 81-10: Hydrodesulfurized middle distillate. Final report. (35-32433)

Sister chromatid exchange assay in Chinese hamster ovary (CHO) cell with API 81-07: Hydrodesulfurized kerosine. Final report. (35-32482)

Sister chromatid exchange assay in Chinese hamster ovary (CHO) cells with API 81-03 [(light catalytically cracked naphtha)]. Final report. (36-30045)

Sister chromatid exchange assay in Chinese hamster ovary (CHO) cells with API 83-07: Light catalytic cracked distillate. (35-32432)

Sister chromatid exchange assay in Chinese hamster ovary (CHO) cells. API PS-8-76D5 aromatics. Final report [by Microbiological Associates Inc.]. (33-30931)

Sister chromatid exchange assay in Chinese hamster ovary (CHO) cells: API RO-1, raw shale oil. Final report. (33-30445)

The mutagenic potential of high flash aromatic naphtha. (36-33132)

Sister chromatid exchange (in-vivo)

An in-vivo sister chromatid exchange assay of API PS-8-76D5-ARO, aromatic subtraction of 700-1070 °F boiling range fraction of a crude oil. (35-32013)

In Vivo Sister Chromatid Exchange Assay, API 81-15, Catalytically Cracked, Clarified Oil (CAS 64741-62-4). Final Report. (32-32754)

In-vivo sister chromatid exchange assay. API PS8-76D5 saturates. Final report. (33-30932)

In vivo sister chromatid exchange assay with API 81-03 (light catalytically cracked naphtha). Final report. (36-30044)

In vivo sister chromatid exchange assay with API 81-07, hydrodesulfurized kerosine. Final report. (36-30043)

In vivo sister chromatid exchange assay API RO-1 raw shale oil. (37-32484)

In vivo sister chromatid exchange assay with API 83-07 (light catalytic cracked distillate). (36-31429)

In-vivo sister chromatid exchange assay with API 81-10: Hydrodesulfurized middle distillate. Final report. (35-32479)

Unscheduled DNA synthesis

An Evaluation of the Potential of RO-1, 81-15, and PS8-76D5-SAT To Induce Unscheduled DNA Synthesis [(UDS)] in Primary Rat Hepatocyte Cultures (32-32407)

An Evaluation of the Potential of RO-1, 81-15, and PS8-76D5-SAT To Induce Unscheduled DNA Synthesis [(UDS)] in the In Vivo-In Vitro Hepatocyte DNA Repair Assay (32-32406)

Evaluation of the potential of PS-8-76D5-ARO to induce unscheduled DNA synthesis [(UDS)] in the in-vivo/in-vitro hepatocyte DNA repair assay. Final report [by SRI International]. (33-31826)

Evaluation of the potential of PS-8-76D5-ARO to induce unscheduled DNA synthesis in primary rat hepatocyte cultures. Final report [by SRI International]. (33-31751)

Unscheduled DNA synthesis [(UDS)] in rat primary hepatocytes with PS-6 unleaded gasoline, its evaporation residue, and a DMSO ((dimethylsulfoxide) extract. (35-32431)

NAPHTHA

Developmental Effects

Inhalation Teratology of Jet Fuel A, Fuel Oil, and Petroleum Naphtha in Rats. (30-32003)

NAPHTHA (REVIEW)

Toxicity Study

Clinical toxicology of the acute ingestion of methanol/hydrocarbon blends. A state-of-the-art review. (39-31093)

NAPHTHALENE

Analytical Chemistry/Methodology

The Effects of Oil on Estuarine Animals: Toxicity, Uptake and Depuration, Respiration. (26-60030)

Fate and Effects

The Effects of Oil on Estuarine Animals: Toxicity, Uptake and Depuration, Respiration. (26-60030)

Metabolism/Pharmacokinetics

Absorption of petroleum products across the skin of the monkey and miniature pig. Annual report (Mar. 15, 1979-Mar. 14, 1980). (33-31034)

NAPHTHENIC AROMATIC SOLVENT

Toxicity Study

Petroleum Hydrocarbon Toxicity Studies--16. Animal Response to Vapors of "Naphthenic Aromatic Solvent" (27-31351)

NAPHTHENIC BASE STOCK

Mutagenicity Study

Mutagenicity Evaluation of API 78-5, 100 SUS/100 °F Naphthenic Oil. Final Report. (29-32359)

Toxicity Study

[Project No. 1616] Acute Toxicity Tests of API 78-5, Naphthenic Oil (150 SUS/100 °F). (29-33106)

NAPHTHENIC BASE STOCK (VISCOSITY (SUS/100 °F) 2000)

Carcinogenicity Study

Short-term dermal tumorigenesis study of selected petroleum hydrocarbon [processing fractions] in male CD-1 mice. Initiation and promotion phases. (36-32643)

The Carcinogenicity of New and Used Lubricants. (30-32847)

Mutagenicity Study

Mutagenicity Evaluation of API 79-1, 90 SUS/210 °F Naphthenic Oil. Final Report. (29-32360)

Mutagenicity Evaluation of Petroleum Hydrocarbons. (30-31997)

Toxicity Study

The Acute Toxicology of Selected Petroleum Hydrocarbons. (30-31530)

[Project No. 1597] Acute Toxicity Tests of API 79-1, Naphthenic Oil (90 SUS/210 °F). (29-33065)

NAPHTHENIC BASE STOCK (VISCOSITY (SUS/100 °F) 80)*Carcinogenicity Study*

The Carcinogenicity of New and Used Lubricants. (30-32847)

Mutagenicity Study

Mutagenicity Evaluation of Petroleum Hydrocarbons. (30-31997)

Toxicity Study

The Acute Toxicology of Selected Petroleum Hydrocarbons. (30-31530)

NEUROTOXICITY STUDY*In vitro*

Experimental Studies of Hexacarbon Neurotoxicity. Final Report. (29-32291)

Inhalation

A 13 week inhalation study of potential effects of commercial hexane on behavior and neuromorphology in rats. (37-31154)

A Comparison of the Rate of Development of Hexane Neuropathy in Weanling and Young Adult Rats. (30-32007)

An Experimental Evaluation of Selected Petrochemicals for Subchronic Neurotoxic Properties. (30-32004)

Concentration-Related Effects of Hexane on Evoked Responses from Brain and Peripheral Nerve. (30-32006)

Effects of Toluene Exposure on Auditory Pathways. Final Report. (31-32169)

Histopathological Analysis of Spinal Cord of Animals Exposed to Gasoline. Final Report. (30-30225)

Inhalation neurotoxicity study in rats with C₆ aromatic hydrocarbons. (35-32084)

Neurobehavioral Effects of Subchronic Exposure of Weanling Rats to Toluene or Hexane. (30-32008)

Neuropathic Potential of n-Hexane in the Presence of Other Hexane Isomers. Final Report: [Phase 1 and Phase 2]. (30-30226)

Quantitative Analysis of Pathological Changes in the Cervical Spinal Cord of Control and n-Hexane-Treated Rats. Final Report. (30-30223)

Six-Month Continuous Inhalation Exposures of Rats to Hexane Mixtures...Phase II. (30-32846)

Toluene-Induced Hearing Loss in Rats Evidenced by the Brainstem Auditory-Evoked Response [(BAER)]. (30-32077)

Transient cognitive deficits and high-frequency hearing loss in weanling rats exposed to

toluene. (30-32009)
[Bio/Dynamics Inc. Project No. 77-1921] A 26-Week Inhalation Toxicity Study of n-Hexane in the Rat. (28-30077)

Oral

Neurobehavioral Toxicology of Petroleum- and Shale-Derived Jet Propulsion Fuel No. 5 (JP5). (30-31533)

Research Methodology

Validation of behavioral studies for determining neurotoxicity. Final report. (31-31472)

Review

A Tale of Two Solvents: The Neurology of n-Hexane and Toluene. (30-32079)

Neurophysiological and Psychological Disorders and Occupational Exposure to Organic Solvents. (31-32980)

Neurotoxicity of organic solvents with special reference to the neurobehavioral effects: A [world] literature review (39-30623)

The Effects of n-Hexane in Man and Animals. (30-31603)

NICKEL (REVIEW)*Toxicity Study*

Nickel. (26-60112)

NICKEL SUBSULFIDE*Toxicity Study*

A Mechanistic Evaluation of the Pulmonary Toxicology of Nickel Subsulfide. (30-31992)

NIObIUM (REVIEW)*Toxicity Study*

Vanadium. (26-60111)

NITRATE*Toxicity Study*

Effects of Nitrate and/or Sulfate Aerosols upon Cardiopulmonary Function. Final Report [for First Year of Project]. (27-30842)

NITRIC OXIDE*Analytical Chemistry/Methodology*

[In] a Program for Upgrading the NO₂ Instrumentation Employed in the 1972 Chattanooga NO₂ Exposure Study (26-60051)

NITROGEN DIOXIDE*Toxicity Study*

Study of Synergistic Effects of Certain Airborne Systems in the Cynomolgus Monkey. (27-30704)

NITROGEN DIOXIDE (REVIEW)*Toxicity Study*

A Unified Approach to the Use of Human Clinical Data: A Case Study of Nitrogen Dioxide and Sulfur Dioxide. (32-32502)

NITROGEN OXIDE (REVIEW)*Human Exposure Assessment*

Photochemical Smog. (26-60108)

NITROGEN OXIDES*Analytical Chemistry/Methodology*

[In] a Program for Upgrading the NO₂ Instrumentation Employed in the 1972 Chattanooga NO₂ Exposure Study (26-60051)

Toxicity Study

Effects of Oxides of Nitrogen, Carbon Monoxide and Photochemical Oxidants on the [Electrocardiogram] during Exercise and on Cardiopulmonary Function. Final Report (APRAC Project CAPM-21-74). (26-60045)

NITROGEN OXIDES (REVIEW)*Toxicity Study*

Oxidants: Air Quality Criteria Based on Health Effects. (26-60060)

NITROUS OXIDE*Analytical Chemistry/Methodology*

[In] a Program for Upgrading the NO₂ Instrumentation Employed in the 1972 Chattanooga NO₂ Exposure Study (26-60051)

NO. 2 FUEL OIL*Aquatic Toxicity*

Effects of Oil and Chemically Dispersed Oil on Selected Marine Biota...A Laboratory Study. (26-60050)

Laboratory Studies on the Effects of Oil on Marine Organisms: An Overview (26-60055)

The Effects of Oil on Estuarine Animals: Toxicity, Uptake and Depuration, Respiration. (26-60030)

The Toxicity of Water-Soluble Fractions of Four Test Oils for the Polychaetous Annelids *Neanthes arenaceodentata* and *Capitella capitata*. (26-60002)

Carcinogenicity Study

Lifetime dermal carcinogenesis bioassay of refinery streams in C3H/HeJ mice (AP-135R). (36-31364)

Fate and Effects

Laboratory Studies on the Effects of Oil on Marine Organisms: An Overview (26-60055)

The Effects of Oil on Estuarine Animals: Toxicity, Uptake and Depuration, Respiration. (26-60030)

Uptake and Depuration of Specific Hydrocarbons from Oil by the Bi-valves *Rangia cuneata* and *Crassostrea Virginica*. (26-60072)

Metabolism/Pharmacokinetics

The Induction of Xenobiotic Metabolism in Rats on Exposure to Hydrocarbon-Based Oils. (30-31995)

Mutagenicity Study

Mutagenicity Evaluation of Petroleum Hydrocarbons. (30-31997)

Toxicity Study

The Acute Toxicology of Selected Petroleum Hydrocarbons. (30-31530)

NO. 2 HOME HEATING OIL

Developmental Effects

Inhalation Teratology of Jet Fuel A, Fuel Oil, and Petroleum Naphtha in Rats. (30-32003)

Mutagenicity Study

In-Vitro and In-Vivo Mutagenicity Studies. No. 2 Home Heating Oil. Final Report. (27-30140)

NO. 2 HOME HEATING OIL (10% CC STOCK)

Toxicity Study

[Project No. 1443] /Acute Toxicity Tests of API #78-3 No. 2 Home Heating Oil (10% Cat) (27-32773)

NO. 2 HOME HEATING OIL (30% CC STOCK)

Toxicity Study

[Project No. 1443] Acute Toxicity Tests of API #78-2 No. 2 Home Heating Oil (30% Cat) (27-32771)

NO. 2 HOME HEATING OIL (50% CC STOCK)

Developmental Effects

Inhalation/Teratology Study in Rats. Fuel Oil. Final Report. (27-30483)

Toxicity Study

[Project No. 1443] Acute Toxicity Tests [on] API #78-4, No. 2 Home Heating Oil (50% Cat) (27-32068)

NO. 6 FUEL OIL

Toxicity Study

The Acute Toxicology of Selected Petroleum Hydrocarbons. (30-31530)

NO. 6 FUEL OIL, SPEC. GRAV. 0.92, SULFUR 0.2%

Toxicity Study

[Project No. 1443] Acute Toxicity Tests...API 78-8 No. 6 Heavy Fuel Oil (23.1 °API/ 0.2% S). (27-32816)

NO. 6 FUEL OIL, SPEC. GRAV. 0.95, SULFUR 0.8%

Toxicity Study

[Project No. 1443] Acute Toxicity Tests of API 78-7 No. 6 Heavy Fuel Oil (17.1 °API/ 0.8% S) (27-32774)

NO. 6 FUEL OIL, SPEC. GRAV. 0.99, SULFUR 2.7%

Toxicity Study

[Project No. 1443] Acute Toxicity Tests. API 78-6 No. 6 Heavy Fuel Oil (11.7 °API/ 2.7% S). (27-32814)

NO. 6 FUEL OIL, SPEC. GRAV. 1.04, SULFUR 1.2%

Toxicity Study

[Project No. 1443] Acute Toxicity Tests of API 79-2 No. 6 Heavy Fuel Oil (5.2 °API/ 1.2% S) (27-32813)

NOISE

Occupational Health

Guidelines on Noise (26-60119)

n-NONANE

Metabolism/Pharmacokinetics

Studies on the absorption of inhaled hydrocarbon vapors. Final report. (34-33036)

Toxicity Study

Petroleum Hydrocarbon Toxicity Studies--17. Animal Response to n-Nonane Vapor (27-31352)

OCCUPATIONAL HEALTH

A Health Survey of Petroleum Asphalt Workers. (26-60093)

A case-control study of kidney cancer among petroleum refinery workers. Final report. (37-31336)

A mortality study of marketing and marine distribution workers with potential exposure to gasoline in the petroleum industry. (39-33438)

A nested case-control study of kidney cancer, leukemia and multiple myeloma in a cohort of land-based terminal workers exposed to gasoline in the petroleum industry. (41-32613)

An update of a mortality study of workers in petroleum refineries. (33-32726)

Aseptic Bone Necrosis Occurring in Persons Who Work under Pressure. (26-60042)

Assessment of the Healthy Worker Effect [(HWE)]. Final Report. (31-30449)

Deep-Water Petroleum Production Systems. (26-60036)

Experiments in Human Work Capabilities Under Pressure Now Being Conducted at the Royal Naval Physiological Laboratory. (26-60033)

Experiments in Human Work Capabilities under Pressure, Now Being Conducted at the Institute for Environmental Medicine, University of Pennsylvania. (26-60117)

Functions Performed by Divers in Offshore Petroleum Production. (26-60034)

Guidelines on Noise. (26-60119)

Implications in the Occupational Safety and