

Division of Geological & Geophysical Surveys

PUBLIC-DATA FILE 94-49

**PRESENTATION OF GROUND WATER AND SOIL INFORMATION
COLLECTED IN PREVIOUS SITE INVESTIGATIONS, RAILROAD
INDUSTRIAL AREA, FAIRBANKS, ALASKA**

by

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INTRODUCTION

The Alaska Department of Natural Resources, Division of Mining and Water Management, Alaska Hydrologic Survey compiled and computerized ground-water and soil data from available reports on the railroad industrial area in Fairbanks, Alaska. This project is part of an areawide environmental assessment and hydrogeology study initiated by the U.S. Geological Survey (USGS) in 1993 at the request of the Alaska Department of Environmental Conservation and the Minnie Street Land Users Group (MSLUG), a group of business operators, property owners and leaseholders who have joined together to address potential ground-water contamination at the railroad industrial area (henceforth referred to as the study area). The USGS environmental assessment and hydrogeology study, described in Lilly (1993), defines aquifer boundaries, direction of ground-water flow, and characterizes ground-water quality within the study area. The study will provide MSLUG and other potential responsible parties information in which to implement cost-effective remediation activities.

The objective of this data compilation project is to organize ground-water and soil data from previous studies into a format that can be easily interpreted and mapped to show the types, locations and concentrations of hydrocarbons in the study area. The project was undertaken in a three-step process: (1) compile available reports and documents containing ground-water and soil information, (2) check the quality of the data, and (3) enter the ground-water and soil data into a database.

The primary purpose of this report is to present the database contents to potential users. The report also presents the methods used to compile reports and computerize information, and discusses summary statistics on types and number of analyses in the database.

ACKNOWLEDGMENTS

The authors thank the Alaska Railroad Corporation and other members of the Minnie Street Land Users Group for providing project funding and making historical and recently published reports available to us. We also thank Mike Lilly (USGS) and Anne Kriagler (student intern) who provided us with study area reports, maps, and a list of bibliographic citations.

METHODOLOGY

Report Compilation

The study area is located in Fairbanks, Alaska, and covers approximately 280 acres (fig 1). Land use in the study area is primarily commercial and light industrial. Although numerous site-specific environmental assessment studies have been performed, no areawide compilation of soil and ground-water data has taken place.

Reports were obtained from property owners, leaseholders, and other potential responsible parties. Reports and documents were also obtained from the files of the Alaska Department of Environmental Conservation, Northern Regional office, Fairbanks, Alaska.

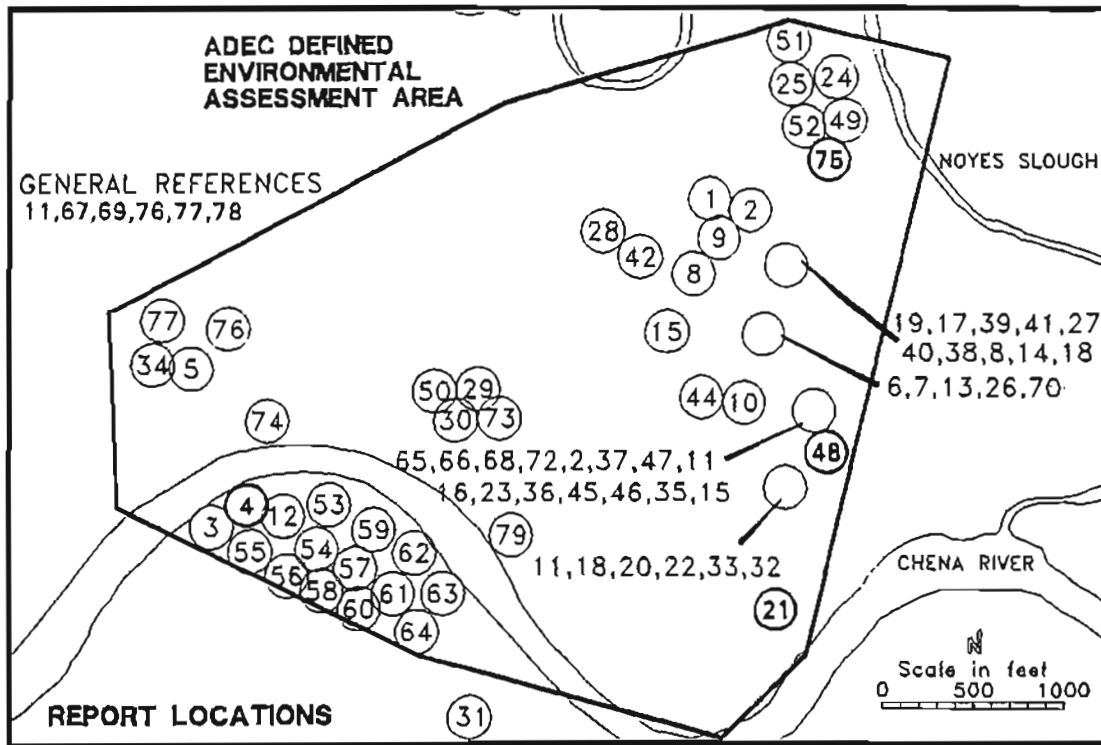


Figure 1. Location of site-specific reports, railroad industrial area, Fairbanks, Alaska (modified from a map provided by the U.S. Geological Survey)

The majority of reports are environmental studies performed by private consultants for the property owner or lessee.

The reports and references that were compiled and examined are listed in appendix A. The study area map (fig. 1) shows the location and number of each report listed in appendix A.

Database Configuration

Project data are contained in a database entitled "Railroad Industrial Area Database" that uses commercially available dBASE IV software from Borland International, Inc. of Scotts Valley, California. A dBASE program was written by the Alaska Hydrologic Survey to enter, access, and print data in the database. The compiled program, referred to as 'MINNIE.EXE', runs with or without dBASE software.

The database structure consists of five separate dBASE files: MINNIE.DBF contains report-specific information, and is referred to as the 'site report', GRNDWTR.DBF contains ground-water data, SUBSURF.DBF contains subsurface soil data, SURFACE.DBF contains surface soil data, and EXCAVATE.DBF contains excavated soil data. All five files are linked by four common fields: report number, site number, report date, and report title.

The 'site report' file contains general information about report contents such as the number of soil boring and monitoring well logs, number of ground-water levels, and the presence of soil and ground-water chemistry data. The site report lists the types and sources of potential contaminants mentioned in the reports. Qualitative information such as the presence of odors, sheens and floating product is also noted.

The four 'chemistry data' files (GRNDWTR.DBF, SUBSURF.DBF, SURFACE.DBF, EXCAVATE.DBF) contain quantitative data presented in the reports.

All examined reports have a site report entry in the database, but not all reports have chemistry data.

Data Validation

The guidelines for entering information and data into the database are shown in appendix B. They were developed to ensure that computer entries are consistent and standardized. The 'site report' guidelines show the options for entering information about each report. Twenty-one 'report locations' are specified, which generally correspond to lot boundaries or right-of-way corridors within the study area. A code number is included to enable quick computer sorting by report location. Some reports contain information for several locations. A few reports do not specify a location within the study area or are general in nature.

Guidelines for entering analytical ground-water, surface soil, subsurface soil, and excavated soil data in the 'chemistry data' files are shown in appendix B. The quality of all analytical data was checked prior to data entry. Sample holding times and quality assurance (QA) procedures such as duplicate samples, rinsate samples, and precision and accuracy calculations were checked. Data without QA information were entered only when a analytical report issued by a laboratory was present and sample holding times were met. Tabulated data presented in the text without an attached analytical laboratory report were not included in the database.

Data entry of hydrocarbons is categorized by the analytical method used, such as total petroleum hydrocarbons (EPA Method 418.1) and halogenated volatile organic compounds (EPA Method 8010). In most cases a value range (minimum and maximum value) is the data entry because the analytical method analyzes a suite of organic compounds. For example, the purgeable aromatic organic compound analysis (EPA Method 602), which is commonly referred to as the BTEX test, includes benzene, toluene, ethylbenzene, and xylene.

Value ranges for surface, subsurface, and excavated soil are shown when multiple samples were taken from a single boring or point on the ground, headwall or stockpile at the same time. Value ranges for ground-water are shown when multiple samples were collected from a single well at the same time.

Discrete data values are shown for benzene, arsenic, mercury, and lead except when multiple samples were taken at one given time. The 'metals' category refers to chromium

and cadmium data unless otherwise noted. Detailed instructions for data entry are given in appendix B.

Quality assurance procedures were also used to verify the reviewer's entries. Initially, Report 23 was reviewed by all three reviewers (authors) for the purpose of reaching consensus on data entry format. Periodic cross-checks of quantitative data were performed throughout the data entry process. An effort was made to eliminate duplicate data because several reports contain previously cited data.

DATABASE CONTENTS

The contents of the database are shown in appendix C. The database is sorted by report location code which is the third and fourth digit in the site number. For example, 79.08.00 corresponds to the Alaska Railroad Right of Way in report 79. Database sorting by 'report location' allows the user to quickly access and evaluate all data for a specific location. In addition, the database has the flexibility to be sorted on any field. This printout format, which was produced and executed with MINNIE.EXE, shows the entire suite of ground-water and soil hydrocarbon data for a specific location.

The database contains information obtained from 79 reports. Reports that are either general in nature or not specific to any location are listed first in appendix C. The earliest report was dated 1967; but the majority were dated between 1990 and 1994. Ground-water data are contained in 24 reports, subsurface soil data in 23 reports, excavated soil data in 6 reports, and surface soil data in 5 reports.

The following findings are based on site conditions at the time of sampling and may not represent current conditions in soil or ground water. Water data are listed as micrograms per liter ($\mu\text{g/L}$) and soil data are listed as milligrams per kilogram (mg/kg) or micrograms per kilogram ($\mu\text{g/kg}$).

Ground-water Analyses

Ground-water data are presented as 163 records for 90 wells. A record corresponds to the suite of analyses for a given well on a given date. Each record is listed as a single table entitled 'CHEMISTRY DATA - GROUND WATER' in appendix C.

Purgeable aromatic hydrocarbons and purgeable halocarbons were the most frequently listed ground-water analyses. Benzene concentrations above the maximum contaminant level (MCL) of 0.005 mg/L (ADEC, 1994) were measured in ground-water collected from 49 of 90 wells (54 percent). Benzene concentrations ranged from <0.001 to 85 mg/L . Purgeable halocarbons, which include chlorinated solvents, were detected in ground-water collected from 34 of 43 wells (79 percent). Most detectable concentrations were less than 0.05 mg/L . Gasoline-range hydrocarbons and diesel-range hydrocarbon analyses are available for only five wells and total petroleum hydrocarbon analyses for 11 wells. These hydrocarbon analyses appear to be used only for screening purposes.

Herbicides were undetected in ground water collected from 11 wells. Polychlorinated biphenyls (PCBs) in ground water collected from three wells show no concentrations above

analytical detection limits. Arsenic and mercury concentrations in ground water collected from 11 wells do not exceed the MCLs of 0.05 mg/L and 0.002 mg/L, respectively. Lead in ground water was measured above the action level of 0.015 mg/L (ADEC, 1994) in one well, at a concentration of 0.055 mg/L.

Subsurface Soil Analyses

Subsurface soil data are presented as 199 records for 198 borings or wells. The record represents the suite of subsurface soil analyses for a given well or boring on a given date. Each record is listed as a single table entitled 'CHEMISTRY DATA - SUBSURFACE SOIL' in appendix C.

Gasoline-range hydrocarbons in soil from 11 borings or wells exceed the Level A cleanup level of 50 mg/kg (ADEC, 1991). The maximum concentration measured was 12,500 mg/kg. Diesel-range hydrocarbons (DRO)s in soil from 20 borings or wells exceeded the Level A cleanup level of 100 mg/kg (ADEC, 1991). The maximum DRO concentration was 29,000 mg/kg.

Benzene in subsurface soil exceeded the Level A cleanup level of 0.1 mg/kg (ADEC, 1991) in 17 of 130 borings or wells (13 percent). Total BTEX concentrations in subsurface soil exceeded the Level A cleanup level of 10 mg/kg in 28 of 123 borings or wells (23 percent). The maximum BTEX concentration was 47,000 mg/kg.

Halogenated volatile organic compounds in soil were detected in 10 of 20 borings or wells at concentrations ranging from 0.04 to 1.2 mg/kg. Polychlorinated biphenyls in soil were detected once at a concentration of 0.09 mg/kg in one of eight sampled borings. Herbicides in soil were undetected in all 5 borings or wells sampled.

Twenty-five of 59 borings or wells sampled (42 percent) had soil with concentrations of arsenic greater than 200 mg/kg. Similarly, 25 of 57 borings or wells sampled (44 percent) had soil with concentrations of mercury greater than 10 mg/kg. Most of these samples were collected at a gold-processing facility. Lead concentrations greater than 500 mg/kg were measured in one of 27 borings or wells.

Surface Soil Analyses

Surface soil data are presented as 108 records. A record corresponds to a grab surface soil sample. Each record is listed as a single table entitled 'CHEMISTRY DATA - SURFACE SOIL' in appendix C.

Benzene in surface soil samples did not exceed the Level A cleanup level of 0.1 mg/kg in any of the 17 soil samples. Total BTEX concentrations exceeded the Level A cleanup level of 10 mg/kg in one of 17 samples.

Polychlorinated biphenyls (PCBs) were detected in 22 of 42 surface soil samples. The majority of detectable PCB concentrations were less than 1 mg/kg; the maximum concentration was 18 mg/kg. Herbicides were detected in one of 6 samples at a trace concentration (0.02 µg/kg).

Arsenic concentrations in surface soil ranged from 12 to 2900 mg/kg. Arsenic concentrations greater than 200 mg/kg were measured in 9 of 53 samples; mercury concentrations greater than 10 mg/kg were measured in 5 of 47 samples; and lead concentrations greater than 500 mg/kg were measured in 2 of 23 samples.

Excavated Soil Analyses

Excavated soil samples are presented as 104 records. A record corresponds to a grab sample collected from a soil stockpile or the sidewall of a soil excavation pit. Each record is listed as a single table entitled 'CHEMISTRY DATA - EXCAVATED SOILS' in appendix C.

Gasoline-range hydrocarbon and BTEX analyses of excavated soil were performed on 87 and 91 samples, respectively. The maximum concentration measured for gasoline-range hydrocarbons was 13,700 mg/kg. The maximum benzene concentrations was 71 mg/kg, and the maximum BTEX concentration was 4525 mg/kg.

SUMMARY

The database contains groundwater and soil information presented in 79 reports on the study area. The most frequently mentioned potential source of hydrocarbons in the subsurface soil and ground water is surface spills of petroleum products. Gasoline is the most frequently mentioned potential soil and ground water contaminant.

The database is designed for personal computer (PC) applications, such as quickly accessing data for a specific location in the study area. Use of database files requires dBASE IV software. The database can still be accessed without installing dBASE IV by executing 'MINNIE.EXE', a compiled version of the database. The database can be viewed on a PC at the Alaska Division of Mining and Water Management, Alaska Hydrologic Survey offices in Anchorage and Fairbanks, Alaska. The dBASE files and the 'MINNIE.EXE' program are available on diskette for a nominal charge from the Division of Geological and Geophysical Surveys office in Fairbanks.

The database is not a final project product but is provisional and subject to periodic revision and updating. The authors are solely responsible for its content and will appreciate comments on the accuracy of the data as well as suggestions to improve the database.

REFERENCES CITED

Alaska Department of Environmental Conservation, 1991, Interim guidance for non-UST contaminated soil cleanup levels, Guidance Number 001 - Revision Number 1, July 17, 1991, Juneau, Alaska, 17 p.

_____, 1994, State of Alaska Drinking Water Regulations, 18 AAC 80: ADEC, Juneau, Alaska, Title 18 Alaska Administrative Code Chapter 80, 195 p.

Lilly, M.R., 1993, Project proposal for environmental assessment and hydrogeology of the railroad industrial area Fairbanks, Alaska: Fairbanks, Alaska, U.S. Geological Survey unpublished document, May 27, 1993, 14 p. plus appendixes.

APPENDIX A.

Listing of study area reports and references (provided by U.S. Geological Survey, Water Resources Division, Fairbanks, Alaska)

Reports are numbered as they are received or obtained and processed. The numbering scheme does not indicate the author, date or intent of the report. Missing information or specific comments concerning the report are indicated in the index following each report.

Report #	Report
1	Shannon & Wilson, Inc. Preliminary Hazardous Waste Site Evaluation, Proposed Minnie Street Connector, Fairbanks, Alaska. May 1989. 31 p. & miscellaneous appendices. (2) Incomplete copy of report. Need Photos. DOT road expansion.
2	Shannon & Wilson, Inc. Final Report Illinois Street and Minnie Street Connector, Hazardous Waste Field Investigations, Phase II. Fairbanks, Alaska. December 1990. 48 p. & miscellaneous appendices. 2 complete copies of report. DOT road expansion. Separate Appendix B.
3	Shannon & Wilson, Inc. Preliminary Assessment of Potential Off-site Hydrocarbon Source, Municipal Utilities System, Fire Well 3, Fairbanks, Alaska. May 1992. 20 p. & miscellaneous appendices. Complete copy of report. MUS water supply problems.
4	James M. Montgomery Consulting Engineers, Inc. Municipal Utilities System Water Treatment Plant, City of Fairbanks, Alaska. January 1984. 12 p. & miscellaneous appendices. Complete copy of report. MUS water supply design.
5	Shannon & Wilson, Inc. Installation of ground water monitoring wells, 1733 Well Street, Fairbanks, Alaska. April 30, 1991. variously paged.
6	Shannon & Wilson, Inc. Progress Report, Hydrocarbon Recovery Operations, Saupe Enterprises Bulk Plant, Fairbanks, Alaska. August 1988. 3 p. Progress Report.
7	Shannon & Wilson, Inc. Installation of Five New Monitoring Wells, Saupe Enterprises Bulk Plant, Fairbanks, Alaska. August 1988. 16 p. Complete Report.
8	RZA-AGRA Engineering & Environmental Services. Phase I & II Environmental Site Assessment: Alaska Railroad Corporation/Nerland Corporation Leaseholds. Fairbanks, Alaska. August 1992. Variously paged with miscellaneous appendices. (2) Complete copies of report.
9	Woodward-Clyde Consultants. Fairbanks Fuel Facility. Fairbanks, Alaska. July 1988. 48 p. & miscellaneous appendices. Complete Report.

- 10 Martach Construction, Inc. Tank Closure Site Environmental Assessment of the OK Lumber Site. Location: Fairbanks, Alaska. December 1989. Variousy paged with miscellaneous appendices.

1 Complete copy of report with maps & pictures. 1 Incomplete copy.
- 11 Shannon & Wilson, Inc. Hazardous Waste Assessment Illinois Street & Minnie Street Connector. Fairbanks, Alaska. April 1991. 38 p.

Complete Report.
- 12 Shannon & Wilson, Inc. Contamination of a Municipal Well Field: A case history of a phased approach to site characterization and remediation. Fairbanks, Alaska. February, 1991. Variousy paged.

Complete Copy of Report. No date noted.
- 13 Shannon & Wilson, Inc. Progress Report, Hydrocarbon Recovery Operations, Saupe Enterprises Bulk Plant, Fairbanks, Alaska. June, 1988. 6 p.

Progress Report.
- 14 Environmental Systems, Inc. Nerlands Property on Illinois St. - Gold Storage Room, Project # UGVE-032, Fairbanks, Alaska. October 12, 1990. 6 p.

Site Assessment.
- 15 Swan Drilling. Drilling logs and well measurements at Wilner's Texaco. Fairbanks, Alaska. August 1, 1989. 5 p.

Drill Logs, and Measurements.
- 16 Alaska Petroleum Environmental Engineering. Alaska Chevron, Site Characterization Work Plan, Fairbanks, Alaska. October, 1991, revised January, 1992. 11 p.

Complete Report.
- 17 FPE/Roen Engineers, Inc. Alaska Gold Building Site, 812 Illinois Street, Limited Site Sampling, Fairbanks, Alaska. April, 1992. 12 p.

Lab Results.
- 18 RZA AGRA Alaska, Inc. Engineering and Environmental Services. Final Report, Results of Ground Water Sampling. Nerlands Leasehold Property. Fairbanks Alaska. June 7, 1993. 5 p.

Lab Results.
- 19 Ecology and Environment, Inc. Site Inspection Report for USSR&M, Contract # 18-444-88, Fairbanks, Alaska. February, 1989. 26 p. & miscellaneous appendices.

Complete Report.

- 20 Gilfillan Engineering, Inc. Site Assessment Report for Kelly's Tire & Wheels; 269 Illinois Street, Fairbanks, Alaska. March 1993. 21 p. & 2 appendices.
Complete Report.
- 21 Shannon & Wilson, Inc. Geist/Johanson Expressway, Illinois Street Hazardous Waste Investigation. Fairbanks, Alaska. October 1992. 17 p. & miscellaneous appendices.
Complete Report. 3 Copies.
- 22 Gilfillan Engineering, Inc. UST Removal Environmental Site Assessment/Ground water Characterization Study for Kelly's Tire and Wheel. 269 Illinois Street. Fairbanks, Alaska. November 1991. 13 p. & 3 appendices.
Complete Report.
- 23 Shannon & Wilson, Inc. Soil Contamination Investigation, Geist Road Extension: Illinois Street, Fairbanks, Alaska. May 1989. Variously paged with miscellaneous appendices.
Complete Report. Indices. Complete Report. DEC#102.26.013.
- 24 Shannon & Wilson, Inc. Contaminated Soil Removal, Illinois Street Right of Way, Fairbanks Alaska. November 1991. Variously paged with miscellaneous appendices.
Complete Report.
- 25 Shannon & Wilson, Inc. Project Work Plans Illinois Street Contaminated Soil Removal Plan. Fairbanks Alaska. August 1991. 22 p. & 2 appendices.
Complete Report.
- 26 RZA AGRA Alaska, Inc. Engineering and Environmental Services. GVEA, RR/Industrial Complex. Fairbanks Alaska. May 21, 1993.
Preliminary Report 15 p. Complete report will be assigned to this number.
- 27 America North, Inc. USSR&M Site Investigation Report And Proposed Remedial Plan. February 1991. Nome, Alaska. Variously paged.
Complete Report with Maps.
- 28 Shannon & Wilson, Inc. Underground Storage Tank Closure and Site Assessment, Sourdough Express, 600 Driveway Street, Fairbanks, Alaska. December 1991. 11 p. with appendix.
Site Assessment, DEC#102.26.043
- 29 Shannon & Wilson, Inc. Monitoring Removal of Underground Fuel Storage Tank at Sig Wold Storage and Transfer, Inc., 1301 Well St., Fairbanks, Alaska. July 1991. 15 p.
DEC#102.26.032

- 30 Shannon & Wilson, Inc. Project Work Plans Release Investigation Sig Wold Storage and Transfer, Inc. UST Site Fairbanks, Alaska. November 1992. 12 p. & miscellaneous appendices.

DEC#102.26.032
- 31 Nortech. Lucky Sourdough Interim Report. Fairbanks Alaska. May 25, 1993. 17 p. with appendices.

DEC#102.26.001
- 32 Gilfillan Engineering, Inc. Preliminary Report on Ground water Condition and Proposed Locations For Additional Groundwater Monitoring Wells Kelly's Tire and Wheel, Fairbanks, Alaska. November 1991. 4 pages with map & table.

DEC#102.26.008.
- 33 Gilfillan Engineering, Inc. Environmental Site Assessment/Groundwater Characterization Study for Kelly's Tire & Wheel. Fairbanks Alaska. January 1992. 6 p. with 3 appendices.

Complete Report with Appendices. DEC#102.26.008.
- 34 Shannon & Wilson, Inc. Monitoring of Underground Tank Removal, 1733 Well Street, Fairbanks, Alaska. September 1990. 12 p.

Complete Report. DEC#102.26.008.
- 35 Alaska Petroleum Environmental Engineering, Inc. Alaska Chevron Station Underground Storage Tank Site Remediation Quality Assurance Project Plan 90-12015. Fairbanks Alaska. February 1991. Variously paged with miscellaneous appendices.

Draft-For Discussion Purposes Only. DEC#102.26.013.
- 36 Alaska Petroleum Environmental Engineering, Inc. (APEE). Results of the Phase II Environmental Site Investigation Conducted at 333 Illinois Street, Fairbanks, Alaska. May 1992. Variously paged with miscellaneous appendices.

1 Complete Report and 1 Incomplete, originally named report #15. Sent as a memo to Alaska Chevron. DEC#102.26.013
- 37 Alaska Petroleum Environmental Engineering, Inc. "Various short reports and memos pertaining to Dale's Alaska Chevron, 333 Illinois Street. Fairbanks, Alaska. 1992-1993.

Eight short reports in this report #37 labeled a-h. DEC#102.26.013.
- 38 Shannon & Wilson, Inc. Exploratory Drilling and Sampling Program for Illinois Street widening and Minnie Street Connector Projects, Fairbanks, Alaska. July 1990. 2 p. with miscellaneous appendices.

Two page letter with maps & figures.
- 39 America North/EMCON, Inc. Workplan for Excavation and Disposal of Contaminated Soils USSR&M Site, Fairbanks, Alaska. July 1992. Variously paged with 3 appendices.

Complete. DEC#102.23.018.

- 40 America North/EMCON Inc. Remedial Alternatives Evaluation Report USSR&M Site. Fairbanks, Alaska. March 1992. Variously paged with 3 appendices.

Complete Report.

- 41 America North Inc. Alaska Gold USSR&M Site: responses & reports pertaining to USSR&M Site. Fairbanks Alaska. 1990-1991. Variously paged with miscellaneous appendices.

DEC#102.28.018.

- 42 Shannon & Wilson, Inc. Environmental Studies Regarding Groundwater Quality at Sourdough Express, Fairbanks, Alaska. June 1991. 11 p. with miscellaneous appendices.

Complete Report.

- 43 State of Alaska Department of Highways Materials Section. Materials Report College Road Project No. F-037-1(20) Fairbanks District. March 1987. 55 p. Including miscellaneous appendices.

Complete Report.

- 44 Shannon & Wilson, Inc. Soil Sampling and Installation of Groundwater Monitoring Wells, Petroleum Sales, Fairbanks, Alaska. July 1989. 10 p. including miscellaneous appendices.

Complete Report.

- 45 Alaska Petroleum Environmental Engineering. Alaska Chevron Site Characterization Work Plan 91-10013. Fairbanks Alaska. October 1991. 8 p. & 2 appendices.

Complete Report.

- 46 Alaska Petroleum Environmental Engineering. Alaska Chevron, Inc. Corrective Action Plan Air Sparging/Vapor Extraction System. Fairbanks Alaska. April 1993. 9 p. & 4 appendices.

Complete Report.

- 47 Alaska Petroleum Environmental Engineering. Alaska Chevron Revised Site Characterization Work Plan A-110132. Fairbanks Alaska. January 1992. 10 p. & 2 appendices.

Complete Report.

- 48 University of Alaska Fairbanks Department of Anthropology, Colleen Lasenby. Historical Resources Along Illinois Street. Fairbanks Alaska. November 1990. 237 p.

Complete Report with Maps.

- 49 RZA AGRA Alaska, Inc. Engineering & Environmental Services. MW Soil Analytical Results and GVEA purchasing orders. May 14, 1993. Variously paged.
- Miscellaneous correspondence, purchasing orders, soil analysis.
- 50 Shannon & Wilson, Inc. Release Investigation, Sig Wold Storage And Transfer, 1301 Well St. Fairbanks, AK. April 28, 1993.
- Complete Report with Wells and Questionnaire.
- 51 RZA AGRA Alaska, Inc. Engineering & Environmental Services. Interim Report Subsurface Investigation, GVEA. Fairbanks, AK. November 1993.
- Complete Report with well logs.
- 52 Golden Valley Electric Assoc. Letter to ADEC, GVEA well chemistry. Fairbanks, AK. October 13, 1993.
- Letter and chemistry results.
- 53 James M. Montgomery, Consulting Engineers Inc. Hydrologic Evaluation and Aquifer Test Analysis. Municipal Utilities System. Fairbanks, AK. January 1984.
- Complete Report.
- 54 City of Fairbanks Engineering Dept., Rufus Bunch. Site Assessment For The Municipal Utilities System Tank Farm Dike Project. Fairbanks, AK. May 1992.
- Complete Report.
- 55 Shannon & Wilson, Inc. Geotechnical Consultants. Site Contamination Assessment Report, MUS Power Plant Petroleum Product Spill Cleanup Project. Fairbanks, AK. March 1990.
- Complete Report with Well Logs and Chemistry.
- 56 ROEN Design Associates, Inc. Water System Master Plan. Municipal Utilities System. Fairbanks, AK. December 1989.
- Complete Report.
- 57 Shannon & Wilson, Inc. Geotechnical Consultants. MUS Power Plant Petroleum Spill Cleanup Project. Fairbanks, AK. August 1987.
- Complete Report with Well Logs and Chemistry.
- 58 Woodward-Clyde Consultants. Environmental Audit. Municipal Utilities System Garage/Warehouse. Fairbanks, AK. January 1991.
- Final Report.
- 59 URS Corporation. Water Treatment Plant Water Supply Development Project. Fairbanks, AK. July 1987.

Final Report and Technical Supplement.

- 60 Shannon & Wilson Geotechnical Consultants. Environmental Drilling and Laboratory Services. MUS Power Plant. Fairbanks, AK. September 1982.
- Complete Report with Well Logs and Chemistry.
- 61 Radian Corporation. Recommended Remedial Alternative For Contaminated Soils. MUS. Fairbanks, AK. April 1991.
- Complete Report.
- 62 Franklin & Allen Inc. MUS Chena Power Plant Bulk Fuel Storage Implementation Plan. Fairbanks, AK. June 1985.
- Complete Report.
- 63 VRCA Environmental Services Inc. MUS Power Plant Monitor Well Installation. Fairbanks, AK. October 1991.
- Report with Well Logs.
- 64 PTI Environmental Services. Transport of Benzene In the Unsaturated Zone at the MUS Power Plant Site. Fairbanks, AK. August 1990.
- Complete Report with related Correspondence.
- 65 Gilfillan Engineering, Inc. Professional Environmental Consultants. Proposed Corrective Action Plan for 1996 at Alaska Chevron. Fairbanks, AK. November 1993.
- DEC#102.26.013, Letter to ADEC.
- 66 Gilfillan Engineering, Inc. Professional Environmental Consultants. CAP-Task 1 Site Assessment for UST Removal on Alaska Chevron. Fairbanks, AK. November 1993.
- DEC#102.26.013, Complete Report with Chemistry.
- 67 ADEC. Standard Quality Assurance Program Plan for Underground Storage Tank Systems. Alaska, March 1992.
- Complete Plan.
- 68 Gilfillan Engineering, Inc. Professional Environmental Consultants. Letter to ADEC regarding Proposed Pilot Test of Air Sparging and Soil Vapor Extraction Wells. Alaska Chevron. Fairbanks, AK. September 1993.
- DEC#102.26.013, Correspondence.
- 69 ADEC. Letter regarding Quality Assurance Program Plan for Underground Storage Tank Systems to Gilfillan Engineering. Alaska. December 1992.
- DEC#900.86.004, Correspondence.

- 70 Shannon & Wilson. Well Logs for Monitoring Wells at Saupe Enterprises. Fairbanks, AK. February 1994.

Well Logs.
- 71 Shannon & Wilson, Inc. Data Showing Impact of Gravel Pit Dewatering on Ground-water Levels in the Minnie Street Area. Fairbanks, AK. February 1994.

Water Levels.
- 72 Giffilian Engineering & Environmental Testing, Inc. Quarterly Ground-water Characterization Report. Alaska Chevron. Fairbanks, AK. January 1994.

DEC#102.26.013 Complete Report.
- 73 Shannon & Wilson, Inc. Release Investigation Sig Wold and Transfer, Inc. Fairbanks, AK. January 1994.

DEC#102.26.032 Complete Report.
- 74 Shannon & Wilson, Inc. Work Plan, Preliminary Site Investigation Phillips Field Road Upgrade. Fairbanks, AK. March 1994.

Complete Report.
- 75 GVEA. Letter to ADEC with Chemistry Results. Fairbanks, AK. February 1994.

Lab results.
- 76 City of Fairbanks. Proposal to Develop the Alaska Railroad Industrial Area. Fairbanks, AK. February 1989.

Complete Report.
- 77 Fairbanks Metropolitan Area Transportation Study Policy Committee. Fairbanks Railroad Industrial Area Relocation. Fairbanks, AK. December 1985.

Relocation Study.
- 78 Alaska Department of Environmental Conservation. Northern Regional Office. Oil Spill Report. Fairbanks, AK. April 1994.

Report and Directory of Facility Owners.
- 79 Dames & Moore. Copies of Well Logs and Field Notes from 9/93. Fairbanks, AK. September 1993.

APPENDIX B.

Guidelines for database entry of report information and chemistry data

SITE REPORT GUIDELINES

FIELD

ANSWER OPTIONS

Report number?	As stated on USGS Reference & Report List (see appendix A) 01, 02, 03, etc.																																										
Site number?	Combination of report number (e.g. 02) and report location code (e.g. 02.00) For example, 02.02.00, 79.08.00 SEE 'CODE' UNDER REPORT LOCATION, BELOW																																										
Report date?	As stated on page 1 of report. If no date, refer to USGS Reference & Report List. If month and year is listed e.g. May 1992, enter 05/01/92. If year only is listed (e.g. 1992), enter 01/01/92																																										
Report title?	As stated on USGS Reference & Report List																																										
Report by?	Author, as stated on USGS Reference & Report List																																										
Report location?	<table><thead><tr><th><u>Code</u></th><th><u>Write out</u> name of site (from following list):</th></tr></thead><tbody><tr><td>_.01.00</td><td>Petroleum Sales</td></tr><tr><td>_.02.00</td><td>Saupe Enterprises</td></tr><tr><td>_.03.00</td><td>Willner's Texaco</td></tr><tr><td>_.04.00</td><td>Nerland's / Alaska Feed Company</td></tr><tr><td>_.05.00</td><td>VanGas (Suburban Propane)</td></tr><tr><td>_.06.00</td><td>Alaska Gold</td></tr><tr><td>_.06.01</td><td>on Driveway St.</td></tr><tr><td>_.06.02</td><td>612 Illinois St.(aka USSR&M site)</td></tr><tr><td>_.07.00</td><td>Sourdough Express</td></tr><tr><td>_.08.00</td><td>Alaska Railroad Right of Way</td></tr><tr><td>_.08.01</td><td>Eielson Branch</td></tr><tr><td>_.08.02</td><td>Oil Ave.</td></tr><tr><td>_.08.03</td><td>Charles St.</td></tr><tr><td>_.09.00</td><td>City Streets</td></tr><tr><td>_.09.01</td><td>Driveway Street</td></tr><tr><td>_.09.02</td><td>Oil Avenue</td></tr><tr><td>_.09.03</td><td>Charles Street</td></tr><tr><td>_.09.04</td><td>Illinois Street</td></tr><tr><td>_.09.05</td><td>College Road</td></tr><tr><td>_.09.06</td><td>Phillips Field Road</td></tr></tbody></table>	<u>Code</u>	<u>Write out</u> name of site (from following list):	_.01.00	Petroleum Sales	_.02.00	Saupe Enterprises	_.03.00	Willner's Texaco	_.04.00	Nerland's / Alaska Feed Company	_.05.00	VanGas (Suburban Propane)	_.06.00	Alaska Gold	_.06.01	on Driveway St.	_.06.02	612 Illinois St.(aka USSR&M site)	_.07.00	Sourdough Express	_.08.00	Alaska Railroad Right of Way	_.08.01	Eielson Branch	_.08.02	Oil Ave.	_.08.03	Charles St.	_.09.00	City Streets	_.09.01	Driveway Street	_.09.02	Oil Avenue	_.09.03	Charles Street	_.09.04	Illinois Street	_.09.05	College Road	_.09.06	Phillips Field Road
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_.10.00	Alaska Chevron
_.11.00	Kelly's Firestone
_.12.00	Craig Taylor Sales/Service/Rental
_.13.00	Downtown Gas
_.14.00	Golden Valley Electric Assoc.
_.15.00	OK Lumber
_.16.00	Sig Wold Storage & Transfer
_.17.00	R & S Machine
_.18.00	Samson Hardware
_.19.00	Fairbanks Municipal Utilities System
_.20.00	K & W Trucking
_.21.00	Lucky Sourdough Gasoline Station

Prior ownership?	Choices: Name of prior owner(s) or lessee company(ies) or not mentioned
Water level only?	Y or N
Number of wells?	<u>Screened</u> wells, based on number of <u>well logs</u> in report
Number of borings?	Based on number of <u>soil boring logs</u> in report Rationale: a boring is a hole that is not cased or screened, and is sampled only at the time it is logged
Number of surface samples?	Count
Number of GW levels?	Count; from text, and check the wells & boring <u>logs</u> at the time of drilling
Permafrost?	Y or N or not mentioned
Surveyed?	Y or N Based on whether the latitude/longitude, or the bearings are listed for wells or borings
Maps?	Y or N Based on whether the map(s) shows the location of wells and borings
Photos?	Y or N
Surface stains?	Y or N or U for Unmentioned
Stained soils?	Y or N or U for Unmentioned(Based on subsurface staining)
Oily soil odor?	Y or N or U for Unmentioned
Oil odor to soil?	Y or N or U for Unmentioned
Sheen on water?	Y or N or U for Unmentioned

Floating product?	Y or N or U for Unmentioned
Types of potential sources mentioned?	List symbol(s) from following list: G Gasoline tanks (surface bulk or buried; spills & leaks) AG Above ground gasoline tanks UG Underground gasoline tanks D Diesel tanks (surface bulk or buried; spills & leaks) AD Above ground diesel tanks UD Underground diesel tanks O Heating oil tanks (surface bulk or buried; spills & leaks) P Surface spills of petroleum products S Surface spills of organic solvents M Old mine refining activities F Floor drains W Waste oil
Types of potential contaminants mentioned?	List symbol(s) from following list: G Gasoline D Diesel O Heating oil S Solvents H Herbicides P PCBs M Heavy Metals W Waste oil
Report includes subsurface soil chemistry data?	Y or N (Based on presence of <u>new</u> soil boring data in report; answer immediately accesses Subsurface Soil table)
Report includes surficial soil chemistry data?	Y or N (Based on presence of <u>new</u> surface soil grab data in report; 'Y' answer immediately accesses Surface Soil table)
Report includes groundwater chemistry data?	Y or N (Based on presence of <u>new</u> GW data in report; 'Y' answer immediately accesses Ground Water table)
Report includes bulk excavation data?	Y or N (Based on presence of <u>new</u> evacuation-pit soil or soil stockpile grab data in report; 'Y' answer immediately Excavated Soil table)
Interpretative hydrology?	Y or N (Based on presence of any of following: GW flow direction/gradient narrative, water-table contour map, plume map)

QA/QC in report: Y or N (Based on presence of replicate samples, rinsate samples, precision & accuracy info.)

Reviewer: Name of person filling in this questionnaire

GENERAL GUIDELINES FOR CHEMISTRY DATA

1. Check text summary or site summary of report regarding the most important points about ground-water and soil data.
2. Work off text tables to get ranges and BTEX sums (it may be quicker than appendices).
3. For gross QA/QC check, check every 5th data-range entry in text tables against data listed in analytical report.
4. For gross QA/QC check, check to see if rinsate samples are clean. If not, omit data where rinsate and sample concentrations are same order of magnitude.
5. For gross QA/QC check, check holding times to see if they meet EPA requirements, especially the 14-day holding time for BTEX analyses for soil and water.

SPECIFIC GUIDELINES FOR CHEMISTRY DATA TABLES

<u>FIELD</u>	<u>ANSWER OPTIONS</u>
Report number:	This field is pre-set, based on the information given on report entry sheet
Site number:	This field is pre-set, based on the information given on report entry sheet
Report date:	This field is pre-set, based on the information given on report entry sheet
Report title:	This field is pre-set, based on the information given on report entry sheet
Sample #:	The well ID or boring ID in report (Refer to the USGS's 'ARRC1 Well Tracking Form' and ARRC1 Soil Boring Tracking Form')
Sampling date:	Refer to analytical report
USGS #:	Refer to USGS's ARRC1 Well Tracking Form and ARRC1 Soil Boring Tracking Form

IMPORTANT: When entering values for the 'CONTAMINANTS' in the data tables, enter one value if there is a SINGLE sample. If there are multiple samples collected at the same date and time in a specific soil boring, soil surface grab, soil excavation pit sampling point, or groundwater well, ENTER RANGE OF VALUES, that is, the maximum and minimum values in two or more samples.

REMEMBER: Soil excavation pit samples from a highwall or from a vertical profile, or stockpiles are treated as individual excavation pit soil data.

REMEMBER: Range of values will ALWAYS be entered for:

Halogenated Volatile Organics (8010)

Aromatic Volatile Organics (8020)

Purgeable Halocarbons (601)

Purgeable Aromatics, BTEX (602)

PCB'S (EPA METHOD 8080)

Herbicides (EPA METHOD 8150)

BECAUSE THESE FIELDS REPRESENT A GROUP OF ORGANIC COMPOUNDS OR CONSTITUENTS

IMPORTANT: When entering data for aromatic volatile organics (8020) or purgeable aromatics (602), consider BTEX compounds and chlorobenzene, 1,2-dichlorobenzene, 1,3-dichlorobenzene, and 1,4-dichlorobenzene

IMPORTANT: The BTEX sum is the sum of benzene, toluene, ethylbenzene, and xylenes. If sample or samples show that all BTEX compounds are below detection limit, enter the detection limit with the LOWEST resolution

IMPORTANT: other metals refer to cadmium and chromium, unless otherwise specified.

DL = detection limit on chemistry tables.

APPENDIX C.

Database contents, sorted according to report location

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 51)

SITE REPORT

REPORT NUMBER: 11 , SITE NUMBER: 11.00.00, REPORT DATE: 04/01/91
REPORT TITLE: HAZARDOUS WASTE ASSESSMENT, ILLINOIS STREET AND MINNIE STREE
REPORT BY: SHANNON & WILSON, INC.
REPORT LOCATION: ILLINOIS STR & MINNIE STR CONN
PRIOR OWNERSHIP: NONE
WATER LEVELS ONLY: N
NUMBER OF WELLS: 0
NUMBER OF BORINGS: 0
NUMBER OF SURFACE SAMPLES: 0
NUMBER OF GROUNDWATER LEVELS: 0
PERMAFROST: NOT MENTIONED
SURVEYED: N, MAPS: N, PHOTOS: N
TYPES OF POTENTIAL SOURCES:
TYPES OF POTENTIAL CONTAMINANTS:
REPORT INCLUDES SUBSURFACE SOIL CHEMISTRY DATA: N
REPORT INCLUDES SURFICIAL SOIL CHEMISTRY DATA: N
REPORT INCLUDES GROUNDWATER CHEMISTRY DATA: N
REPORT INCLUDES BULK EXCAVATION DATA: N
REPORT INCLUDES INTERPRETATIVE HYDROLOGY: Y
REPORT INCLUDES QUALITY ASSURANCE PROCEDURES: N,
SURFACE STAINS: U
STAINED SOILS: U
OILY SOIL ODOR: U
SHEEN ON WATER: U
FLOATING PRODUCT: U
REVIEWER: ROY IRELAND

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 96)

SITE REPORT

REPORT NUMBER: 67 , SITE NUMBER: 67.00.00, REPORT DATE: 03/25/92
REPORT TITLE: QUALITY ASSURANCE PROGRAM PLAN FOR UNDERGROUND STORAGE TANK
REPORT BY: ALASKA DEPT. ENV. CONSERV
REPORT LOCATION: NOT APPLICABLE
PRIOR OWNERSHIP: NOT APPLICABLE
WATER LEVELS ONLY: N
NUMBER OF WELLS: 0
NUMBER OF BORINGS: 0
NUMBER OF SURFACE SAMPLES: 0
NUMBER OF GROUNDWATER LEVELS: 0
PERMAFROST: NOT MENTIONED
SURVEYED: N, MAPS: Y, PHOTOS: N
TYPES OF POTENTIAL SOURCES:
TYPES OF POTENTIAL CONTAMINANTS:
REPORT INCLUDES SUBSURFACE SOIL CHEMISTRY DATA: N
REPORT INCLUDES SURFICIAL SOIL CHEMISTRY DATA: N
REPORT INCLUDES GROUNDWATER CHEMISTRY DATA: N
REPORT INCLUDES BULK EXCAVATION DATA: N
REPORT INCLUDES INTERPRETATIVE HYDROLOGY: N
REPORT INCLUDES QUALITY ASSURANCE PROCEDURES: N,
SURFACE STAINS: U
STAINED SOILS: U
OILY SOIL ODOR: U
SHEEN ON WATER: U
FLOATING PRODUCT: U
REVIEWER: MARY MAURER

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 93)

SITE REPORT

REPORT NUMBER: 69 , SITE NUMBER: 69.00.00, REPORT DATE: 12/10/92
REPORT TITLE: LETTER RE: QUALITY ASSURANCE PROGRAM PLAN FOR UNDERGROUND ST
REPORT BY: ALASKA DEPT. ENV. CONSERV
REPORT LOCATION: NOT APPLICABLE
PRIOR OWNERSHIP: NOT APPLICABLE
WATER LEVELS ONLY: N
NUMBER OF WELLS: 0
NUMBER OF BORINGS: 0
NUMBER OF SURFACE SAMPLES: 0
NUMBER OF GROUNDWATER LEVELS: 0
PERMAFROST: NOT MENTIONED
SURVEYED: N, MAPS: N, PHOTOS: N
TYPES OF POTENTIAL SOURCES:
TYPES OF POTENTIAL CONTAMINANTS:
REPORT INCLUDES SUBSURFACE SOIL CHEMISTRY DATA: N
REPORT INCLUDES SURFICIAL SOIL CHEMISTRY DATA: N
REPORT INCLUDES GROUNDWATER CHEMISTRY DATA: N
REPORT INCLUDES BULK EXCAVATION DATA: N
REPORT INCLUDES INTERPRETATIVE HYDROLOGY: N
REPORT INCLUDES QUALITY ASSURANCE PROCEDURES: N,
SURFACE STAINS: U
STAINED SOILS: U
OILY SOIL ODOR: U
SHEEN ON WATER: U
FLOATING PRODUCT: U
REVIEWER: MARY MAURER

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 109)

SITE REPORT

REPORT NUMBER: 76 , SITE NUMBER: 76.00.00, REPORT DATE: 02/01/69
REPORT TITLE: PROPOSAL TO DEVELOP THE ALASKA RAILROAD INDUSTRIAL AREA
REPORT BY: CITY OF FAIRBANKS
REPORT LOCATION: RAILROAD INDUSTRIAL AREA
PRIOR OWNERSHIP: NOT MENTIONED
WATER LEVELS ONLY: N
NUMBER OF WELLS: 0
NUMBER OF BORINGS: 0
NUMBER OF SURFACE SAMPLES: 0
NUMBER OF GROUNDWATER LEVELS: 0
PERMAFROST: NOT MENTIONED
SURVEYED: N, MAPS: Y, PHOTOS: N
TYPES OF POTENTIAL SOURCES:
TYPES OF POTENTIAL CONTAMINANTS:
REPORT INCLUDES SUBSURFACE SOIL CHEMISTRY DATA: N
REPORT INCLUDES SURFICIAL SOIL CHEMISTRY DATA: N
REPORT INCLUDES GROUNDWATER CHEMISTRY DATA: N
REPORT INCLUDES BULK EXCAVATION DATA: N
REPORT INCLUDES INTERPRETATIVE HYDROLOGY: N
REPORT INCLUDES QUALITY ASSURANCE PROCEDURES: N,
SURFACE STAINS: U
STAINED SOILS: U
OILY SOIL ODOR: U
SHEEN ON WATER: U
FLOATING PRODUCT: U
REVIEWER: JIM VOHDEN

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 106)

SITE REPORT

REPORT NUMBER: 77 , SITE NUMBER: 77.00.00, REPORT DATE: 12/01/85
REPORT TITLE: FAIRBANKS RAILROAD INDUSTRIAL AREA RELOCATION
REPORT BY: FAIRBANKS METRO AREA TRAN
REPORT LOCATION: RAILROAD INDUSTRIAL AREA
PRIOR OWNERSHIP: FEDERAL
WATER LEVELS ONLY: N
NUMBER OF WELLS: 0
NUMBER OF BORINGS: 0
NUMBER OF SURFACE SAMPLES: 0
NUMBER OF GROUNDWATER LEVELS: 0
PERMAFROST: NOT MENTIONED
SURVEYED: N, MAPS: Y, PHOTOS: N
TYPES OF POTENTIAL SOURCES:
TYPES OF POTENTIAL CONTAMINANTS:
REPORT INCLUDES SUBSURFACE SOIL CHEMISTRY DATA: N
REPORT INCLUDES SURFICIAL SOIL CHEMISTRY DATA: N
REPORT INCLUDES GROUNDWATER CHEMISTRY DATA: N
REPORT INCLUDES BULK EXCAVATION DATA: N
REPORT INCLUDES INTERPRETATIVE HYDROLOGY: N
REPORT INCLUDES QUALITY ASSURANCE PROCEDURES: N,
SURFACE STAINS: U
STAINED SOILS: U
OILY SOIL ODOR: U
SHEEN ON WATER: U
FLOATING PRODUCT: U
REVIEWER: JIM VOHDEN

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 108)

SITE REPORT

REPORT NUMBER: 78 , SITE NUMBER: 78.00.00, REPORT DATE: 04/26/94

REPORT TITLE: OIL SPILL REPORT

REPORT BY: ALASKA DEPT. ENV. CONSERV

REPORT LOCATION: RAILROAD INDUSTRIAL AREA

PRIOR OWNERSHIP: NOT APPLICABLE

WATER LEVELS ONLY: N

NUMBER OF WELLS: 0

NUMBER OF BORINGS: 0

NUMBER OF SURFACE SAMPLES: 0

NUMBER OF GROUNDWATER LEVELS: 0

PERMAFROST: NOT MENTIONED

SURVEYED: N, MAPS: N, PHOTOS: N

TYPES OF POTENTIAL SOURCES:

TYPES OF POTENTIAL CONTAMINANTS:

REPORT INCLUDES SUBSURFACE SOIL CHEMISTRY DATA: N

REPORT INCLUDES SURFICIAL SOIL CHEMISTRY DATA: N

REPORT INCLUDES GROUNDWATER CHEMISTRY DATA: N

REPORT INCLUDES BULK EXCAVATION DATA: N

REPORT INCLUDES INTERPRETATIVE HYDROLOGY: N

REPORT INCLUDES QUALITY ASSURANCE PROCEDURES: N,

SURFACE STAINS: U

STAINED SOILS: U

OILY SOIL ODOR: U

SHEEN ON WATER: U

FLOATING PRODUCT: U

REVIEWER: JIM VOHDEN

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 22)

SITE REPORT

REPORT NUMBER: 1 , SITE NUMBER: 01.01.00, REPORT DATE: 05/01/89
REPORT TITLE: PRELIMINARY HAZARDOUS WASTE SITE EVALUATION, PROPOSED MINNIE
REPORT BY: SHANNON & WILSON, INC.
REPORT LOCATION: PETROLEUM SALES
PRIOR OWNERSHIP: UNOCAL
WATER LEVELS ONLY: N
NUMBER OF WELLS: 0
NUMBER OF BORINGS: 0
NUMBER OF SURFACE SAMPLES: 0
NUMBER OF GROUNDWATER LEVELS: 0
PERMAFROST: NOT MENTIONED
SURVEYED: N, MAPS: Y, PHOTOS: Y
TYPES OF POTENTIAL SOURCES: P,W
TYPES OF POTENTIAL CONTAMINANTS: G,S,W
REPORT INCLUDES SUBSURFACE SOIL CHEMISTRY DATA: N
REPORT INCLUDES SURFICIAL SOIL CHEMISTRY DATA: N
REPORT INCLUDES GROUNDWATER CHEMISTRY DATA: N
REPORT INCLUDES BULK EXCAVATION DATA: N
REPORT INCLUDES INTERPRETATIVE HYDROLOGY: N
REPORT INCLUDES QUALITY ASSURANCE PROCEDURES: N, SURFACE STAINS: Y
STAINED SOILS: U
OILY SOIL ODOR: U
SHEEN ON WATER: U
FLOATING PRODUCT: U
REVIEWER: MARY MAURER

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 7)

SITE REPORT

REPORT NUMBER: 2 , SITE NUMBER: 02.01.00, REPORT DATE: 12/01/90
REPORT TITLE: FINAL REPORT ILLINOIS STREET AND MINNIE STREET CONNECTOR, HA
REPORT BY: SHANNON & WILSON, INC.
REPORT LOCATION: PETROLEUM SALES
PRIOR OWNERSHIP: NOT MENTIONED
WATER LEVELS ONLY: N
NUMBER OF WELLS: 2
NUMBER OF BORINGS: 1
NUMBER OF SURFACE SAMPLES: 2
NUMBER OF GROUNDWATER LEVELS: 3
PERMAFROST: NOT MENTIONED
SURVEYED: N, MAPS: Y, PHOTOS: N
TYPES OF POTENTIAL SOURCES:
TYPES OF POTENTIAL CONTAMINANTS:
REPORT INCLUDES SUBSURFACE SOIL CHEMISTRY DATA: Y
REPORT INCLUDES SURFICIAL SOIL CHEMISTRY DATA: Y
REPORT INCLUDES GROUNDWATER CHEMISTRY DATA: Y
REPORT INCLUDES BULK EXCAVATION DATA: N
REPORT INCLUDES INTERPRETATIVE HYDROLOGY: N
REPORT INCLUDES QUALITY ASSURANCE PROCEDURES: Y,
SURFACE STAINS: U
STAINED SOILS: Y
OILY SOIL ODOR: Y
SHEEN ON WATER: Y
FLOATING PRODUCT: U
REVIEWER: MARY MAURER

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 7)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 2 , SITE NUMBER: 02.01.00, REPORT DATE: 12/01/90
REPORT TITLE: FINAL REPORT ILLINOIS STREET AND MINNIE STREET CONNECTOR, HA
SAMPLE #? SB-121 SAMPLING DATE? 08/16/90 USGS #? ARB8
CONTAMINANTS VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	<20-35
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	<0.01-0.16
BENZENE.....	<0.01-0.03
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.01-0.42
TOTAL BTEX SUM.....	<0.01-0.59
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

(Key # 7)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 2 , SITE NUMBER: 02.01.00, REPORT DATE: 12/01/90
REPORT TITLE: FINAL REPORT ILLINOIS STREET AND MINNIE STREET CONNECTOR, HA
SAMPLE #? GW-114 SAMPLING DATE? 08/13/90 USGS #? AR5
CONTAMINANTS VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	26-28
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	<0.01-0.07
BENZENE.....	<0.01-0.02
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.01-0.51
TOTAL BTEX SUM.....	<0.01-0.73
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 7)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 2 , SITE NUMBER: 02.01.00, REPORT DATE: 12/01/90
REPORT TITLE: FINAL REPORT ILLINOIS STREET AND MINNIE STREET CONNECTOR, HA
SAMPLE #? GW-115 SAMPLING DATE? 08/14/90 USGS #? AR4
CONTAMINANTS

VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	25-29
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	<0.01-<0.12
BENZENE.....	<0.01-<0.01
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.01-0.08
TOTAL BTEX SUM.....	<0.01-0.08
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

(Key # 7)

CHEMISTRY DATA - SURFACE SOIL

REPORT NUMBER: 2 , SITE NUMBER: 02.01.00, REPORT DATE: 12/01/90
REPORT TITLE: FINAL REPORT ILLINOIS STREET AND MINNIE STREET CONNECTOR, HA
SAMPLE #? SS-35 SAMPLING DATE? 08/29/90 USGS #?
CONTAMINANTS

VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	1610
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	<0.01
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.01-<0.04
TOTAL BTEX SUM.....	<0.04
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 7)

CHEMISTRY DATA - SURFACE SOIL

REPORT NUMBER: 2 , SITE NUMBER: 02.01.00, REPORT DATE: 12/01/90
REPORT TITLE: FINAL REPORT ILLINOIS STREET AND MINNIE STREET CONNECTOR, HA
SAMPLE #? SS-36 SAMPLING DATE? 08/29/90 USGS #?
CONTAMINANTS

VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	310
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	<0.01
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.01-0.04
TOTAL BTEX SUM.....	0.06
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

(Key # 7)

CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 2 , SITE NUMBER: 02.01.00, REPORT DATE: 12/01/90
REPORT TITLE: FINAL REPORT ILLINOIS STREET AND MINNIE STREET CONNECTOR, HA
SAMPLE #? GW-114 SAMPLING DATE? 08/13/90 USGS #? AR5
CONTAMINANTS

VALUES -PPB

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
PURGEABLE HALOCARBONS (601).....	<0.2-5.4
BENZENE.....	
PURGEABLE AROMATICS, BTEX (602).....	
TOTAL BTEX SUM.....	
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 7)

CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 2 , SITE NUMBER: 02.01.00, REPORT DATE: 12/01/90
REPORT TITLE: FINAL REPORT ILLINOIS STREET AND MINNIE STREET CONNECTOR, HA
SAMPLE #? GW-115 SAMPLING DATE? 08/14/90 USGS #? AR4
CONTAMINANTS

	VALUES -PPB
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
PURGEABLE HALOCARBONS (601).....	<0.2-1.1
BENZENE.....	33
PURGEABLE AROMATICS, BTEX (602).....	<0.2-33
TOTAL BTEX SUM.....	82.5
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 57)

SITE REPORT

REPORT NUMBER: 44 , SITE NUMBER: 44.01.00, REPORT DATE: 07/19/89
REPORT TITLE: SOIL SAMPLING AND INSTALLATION OF GROUNDWATER MONITORING WEL
REPORT BY: SHANNON & WILSON, INC.
REPORT LOCATION: PETROLEUM SALES
PRIOR OWNERSHIP: NOT MENTIONED
WATER LEVELS ONLY: Y
NUMBER OF WELLS: 2
NUMBER OF BORINGS: 0
NUMBER OF SURFACE SAMPLES: 0
NUMBER OF GROUNDWATER LEVELS: 2
PERMAFROST: NOT MENTIONED
SURVEYED: N, MAPS: Y, PHOTOS: N
TYPES OF POTENTIAL SOURCES:
TYPES OF POTENTIAL CONTAMINANTS:
REPORT INCLUDES SUBSURFACE SOIL CHEMISTRY DATA: N
REPORT INCLUDES SURFICIAL SOIL CHEMISTRY DATA: N
REPORT INCLUDES GROUNDWATER CHEMISTRY DATA: N
REPORT INCLUDES BULK EXCAVATION DATA: N
REPORT INCLUDES INTERPRETATIVE HYDROLOGY: N
REPORT INCLUDES QUALITY ASSURANCE PROCEDURES: N,
SURFACE STAINS: U
STAINED SOILS: Y
OILY SOIL ODOR: Y
SHEEN ON WATER: Y
FLOATING PRODUCT: Y
REVIEWER: JIM VOHDEN

Alaska DNR, Div. of Mining & Water Management
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(Key # 23)

SITE REPORT

REPORT NUMBER: 1 , SITE NUMBER: 01.02.00, REPORT DATE: 05/01/89
REPORT TITLE: PRELIMINARY HAZARDOUS WASTE SITE EVALUATION, PROPOSED MINNIE
REPORT BY: SHANNON & WILSON, INC.
REPORT LOCATION: SAUPE ENTERPRISES
PRIOR OWNERSHIP: STANDARD OIL COMPANY OF CALIFORNIA
WATER LEVELS ONLY: N
NUMBER OF WELLS: 0
NUMBER OF BORINGS: 0
NUMBER OF SURFACE SAMPLES: 0
NUMBER OF GROUNDWATER LEVELS: 0
PERMAFROST: NOT MENTIONED
SURVEYED: N, MAPS: Y, PHOTOS: Y
TYPES OF POTENTIAL SOURCES: P,AG,AD,O
TYPES OF POTENTIAL CONTAMINANTS: G,D,O,S
REPORT INCLUDES SUBSURFACE SOIL CHEMISTRY DATA: N
REPORT INCLUDES SURFICIAL SOIL CHEMISTRY DATA: N
REPORT INCLUDES GROUNDWATER CHEMISTRY DATA: N
REPORT INCLUDES BULK EXCAVATION DATA: N
REPORT INCLUDES INTERPRETATIVE HYDROLOGY: N
REPORT INCLUDES QUALITY ASSURANCE PROCEDURES: N, . REVIEWER: MARY MAURER

SURFACE STAINS: Y
STAINED SOILS: U
OILY SOIL ODOR: U
SHEEN ON WATER: U
FLOATING PRODUCT: Y

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 8)

SITE REPORT

REPORT NUMBER: 2 , SITE NUMBER: 02.02.00, REPORT DATE: 12/01/90
REPORT TITLE: FINAL REPORT ILLINOIS STREET AND MINNIE STREET CONNECTOR, HA
REPORT BY: SHANNON & WILSON, INC.
REPORT LOCATION: SAUPE ENTERPRISES
PRIOR OWNERSHIP: NOT MENTIONED
WATER LEVELS ONLY: N
NUMBER OF WELLS: 3
NUMBER OF BORINGS: 3
NUMBER OF SURFACE SAMPLES: 6
NUMBER OF GROUNDWATER LEVELS: 10
PERMAFROST: NOT MENTIONED
SURVEYED: N, MAPS: Y, PHOTOS: N
TYPES OF POTENTIAL SOURCES:
TYPES OF POTENTIAL CONTAMINANTS:
REPORT INCLUDES SUBSURFACE SOIL CHEMISTRY DATA: Y
REPORT INCLUDES SURFICIAL SOIL CHEMISTRY DATA: Y
REPORT INCLUDES GROUNDWATER CHEMISTRY DATA: Y
REPORT INCLUDES BULK EXCAVATION DATA: N
REPORT INCLUDES INTERPRETATIVE HYDROLOGY: N
REPORT INCLUDES QUALITY ASSURANCE PROCEDURES: Y, SURFACE STAINS: Y
STAINED SOILS: Y
OILY SOIL ODOR: Y
SHEEN ON WATER: Y
FLOATING PRODUCT: Y
REVIEWER: MARY MAURER

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 8)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 2 , SITE NUMBER: 02.02.00, REPORT DATE: 12/01/90
REPORT TITLE: FINAL REPORT ILLINOIS STREET AND MINNIE STREET CONNECTOR, HA
SAMPLE #? PW-113 SAMPLING DATE? 08/13/90 USGS #? AR6
CONTAMINANTS

VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	<50-12500
EPH = TPH, DIESEL (8100).....	1600-20500
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	<0.50-200
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.25-2200
TOTAL BTEX SUM.....	9.6-4510
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

(Key # 8)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 2 , SITE NUMBER: 02.02.00, REPORT DATE: 12/01/90
REPORT TITLE: FINAL REPORT ILLINOIS STREET AND MINNIE STREET CONNECTOR, HA
SAMPLE #? PW-112 SAMPLING DATE? 08/11/90 USGS #? AR7
CONTAMINANTS

VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	<1-<50
EPH = TPH, DIESEL (8100).....	<1-9500
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	<0.01-2.00
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.01-530
TOTAL BTEX SUM.....	0.42-796
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

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CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 2 , SITE NUMBER: 02.02.00, REPORT DATE: 12/01/90
REPORT TITLE: FINAL REPORT ILLINOIS STREET AND MINNIE STREET CONNECTOR, HA
SAMPLE #? GW-111 SAMPLING DATE? 08/11/90 USGS #? AR8
CONTAMINANTS VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	20-1760
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	<0.01-0.13
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.01-6.8
TOTAL BTEX SUM.....	<0.01-10.8
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

(Key # 8)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 2 , SITE NUMBER: 02.02.00, REPORT DATE: 12/01/90
REPORT TITLE: FINAL REPORT ILLINOIS STREET AND MINNIE STREET CONNECTOR, HA
SAMPLE #? SB-118 SAMPLING DATE? 08/15/90 USGS #? ARB11
CONTAMINANTS VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	<50-<50
EPH = TPH, DIESEL (8100).....	5500-9400
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	<0.50-<15.0
BENZENE.....	<0.50-<1.25
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.50-300
TOTAL BTEX SUM.....	203-405
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

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CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 2 , SITE NUMBER: 02.02.00, REPORT DATE: 12/01/90
REPORT TITLE: FINAL REPORT ILLINOIS STREET AND MINNIE STREET CONNECTOR, HA
SAMPLE #? SB-119 SAMPLING DATE? 08/16/90 USGS #? ARB10
CONTAMINANTS VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	21-267
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	<0.01-<0.12
BENZENE.....	<0.01-0.03
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.01-0.46
TOTAL BTEX SUM.....	0.06-0.73
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

(Key # 8)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 2 , SITE NUMBER: 02.02.00, REPORT DATE: 12/01/90
REPORT TITLE: FINAL REPORT ILLINOIS STREET AND MINNIE STREET CONNECTOR, HA
SAMPLE #? SB-120 SAMPLING DATE? 08/16/90 USGS #? ARB9
CONTAMINANTS VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	<125-<250
EPH = TPH, DIESEL (8100).....	2200-4900
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	<0.10-0.20
BENZENE.....	<0.10-<0.25
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.10-160
TOTAL BTEX SUM.....	45.2-193
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

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CHEMISTRY DATA - SURFACE SOIL

REPORT NUMBER: 2 , SITE NUMBER: 02.02.00, REPORT DATE: 12/01/90
REPORT TITLE: FINAL REPORT ILLINOIS STREET AND MINNIE STREET CONNECTOR, HA
SAMPLE #? SS-30 SAMPLING DATE? 08/29/90 USGS #?
CONTAMINANTS

VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	
TOTAL BTEX SUM.....	
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	171.9
METALS.....	

(Key # 8)

CHEMISTRY DATA - SURFACE SOIL

REPORT NUMBER: 2 , SITE NUMBER: 02.02.00, REPORT DATE: 12/01/90
REPORT TITLE: FINAL REPORT ILLINOIS STREET AND MINNIE STREET CONNECTOR, HA
SAMPLE #? SS-31 SAMPLING DATE? 08/29/90 USGS #?
CONTAMINANTS

VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	
TOTAL BTEX SUM.....	
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	43.9
METALS.....	

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(Key # 8)

CHEMISTRY DATA - SURFACE SOIL

REPORT NUMBER: 2 , SITE NUMBER: 02.02.00, REPORT DATE: 12/01/90
REPORT TITLE: FINAL REPORT ILLINOIS STREET AND MINNIE STREET CONNECTOR, HA
SAMPLE #? SS-32 SAMPLING DATE? 08/29/90 USGS #?
CONTAMINANTS

	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	12000
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	<0.10
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.10-1.6
TOTAL BTEX SUM.....	2.4
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

(Key # 8)

CHEMISTRY DATA - SURFACE SOIL

REPORT NUMBER: 2 , SITE NUMBER: 02.02.00, REPORT DATE: 12/01/90
REPORT TITLE: FINAL REPORT ILLINOIS STREET AND MINNIE STREET CONNECTOR, HA
SAMPLE #? SS-33 SAMPLING DATE? 08/29/90 USGS #?
CONTAMINANTS

	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	
TOTAL BTEX SUM.....	
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	198.4
METALS.....	

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(Key # 8)

CHEMISTRY DATA - SURFACE SOIL

REPORT NUMBER: 2 , SITE NUMBER: 02.02.00, REPORT DATE: 12/01/90
REPORT TITLE: FINAL REPORT ILLINOIS STREET AND MINNIE STREET CONNECTOR, HA
SAMPLE #? SS-34 SAMPLING DATE? 08/29/90 USGS #?
CONTAMINANTS

VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	
TOTAL BTEX SUM.....	
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	181.8
METALS.....	

(Key # 8)

CHEMISTRY DATA - SURFACE SOIL

REPORT NUMBER: 2 , SITE NUMBER: 02.02.00, REPORT DATE: 12/01/90
REPORT TITLE: FINAL REPORT ILLINOIS STREET AND MINNIE STREET CONNECTOR, HA
SAMPLE #? SS-38 SAMPLING DATE? 08/30/90 USGS #?
CONTAMINANTS

VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	28
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	0.03
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.02-0.14
TOTAL BTEX SUM.....	0.31
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

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(Key # 8)

CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 2 , SITE NUMBER: 02.02.00, REPORT DATE: 12/01/90
REPORT TITLE: FINAL REPORT ILLINOIS STREET AND MINNIE STREET CONNECTOR, HA
SAMPLE #? GW-111 SAMPLING DATE? 08/11/90 USGS #? AR8
CONTAMINANTS VALUES -PPB

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
PURGEABLE HALOCARBONS (601).....	<0.2-6.7
BENZENE.....	425
PURGEABLE AROMATICS, BTEX (602).....	<10-425
TOTAL BTEX SUM.....	662.5
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

(Key # 8)

CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 9 , SITE NUMBER: 09.08.00, REPORT DATE: 07/29/88
REPORT TITLE: FAIRBANKS FUEL FACILITY. FAIRBANKS, ALASKA
SAMPLE #? 13 SAMPLING DATE? 06/25/88 USGS #?
CONTAMINANTS VALUES -PPB

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
PURGEABLE HALOCARBONS (601).....	
BENZENE.....	<1
PURGEABLE AROMATICS, BTEX (602).....	<1-2.67
TOTAL BTEX SUM.....	2.67
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

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(Key # 35)

SITE REPORT

REPORT NUMBER: 6 , SITE NUMBER: 06.02.00, REPORT DATE: 08/15/88
REPORT TITLE: PROGRESS REPORT, HYDROCARBON RECOVERY OPERATIONS, SAUPE ENTE
REPORT BY: SHANNON & WILSON, INC.
REPORT LOCATION: SAUPE ENTERPRISES
PRIOR OWNERSHIP: NOT MENTIONED
WATER LEVELS ONLY: N
NUMBER OF WELLS: 0
NUMBER OF BORINGS: 0
NUMBER OF SURFACE SAMPLES: 0
NUMBER OF GROUNDWATER LEVELS: 0
PERMAFROST: NOT MENTIONED
SURVEYED: N, MAPS: N, PHOTOS: N
TYPES OF POTENTIAL SOURCES:
TYPES OF POTENTIAL CONTAMINANTS:
REPORT INCLUDES SUBSURFACE SOIL CHEMISTRY DATA: N
REPORT INCLUDES SURFICIAL SOIL CHEMISTRY DATA: N
REPORT INCLUDES GROUNDWATER CHEMISTRY DATA: N
REPORT INCLUDES BULK EXCAVATION DATA: N
REPORT INCLUDES INTERPRETATIVE HYDROLOGY: N
REPORT INCLUDES QUALITY ASSURANCE PROCEDURES: N,
SURFACE STAINS: U
STAINED SOILS: U
OILY SOIL ODOR: U
SHEEN ON WATER: U
FLOATING PRODUCT: U
REVIEWER: MARY MAURER

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(Key # 36)

SITE REPORT

REPORT NUMBER: 7 , SITE NUMBER: 07.02.00, REPORT DATE: 08/24/88
REPORT TITLE: INSTALLATION OF FIVE NEW MONITORING WELLS, SAUPE ENTERPRISES
REPORT BY: SHANNON & WILSON, INC.
REPORT LOCATION: SAUPE ENTERPRISES
PRIOR OWNERSHIP: NOT MENTIONED
WATER LEVELS ONLY: N
NUMBER OF WELLS: 5
NUMBER OF BORINGS: 0
NUMBER OF SURFACE SAMPLES: 0
NUMBER OF GROUNDWATER LEVELS: 52
PERMAFROST: NOT MENTIONED
SURVEYED: N, MAPS: Y, PHOTOS: N
TYPES OF POTENTIAL SOURCES:
TYPES OF POTENTIAL CONTAMINANTS:
REPORT INCLUDES SUBSURFACE SOIL CHEMISTRY DATA: N
REPORT INCLUDES SURFICIAL SOIL CHEMISTRY DATA: N
REPORT INCLUDES GROUNDWATER CHEMISTRY DATA: N
REPORT INCLUDES BULK EXCAVATION DATA: N
REPORT INCLUDES INTERPRETATIVE HYDROLOGY: N
REPORT INCLUDES QUALITY ASSURANCE PROCEDURES: N,
SURFACE STAINS: U
STAINED SOILS: Y
OILY SOIL ODOR: Y
SHEEN ON WATER: U
FLOATING PRODUCT: Y
REVIEWER: MARY MAURER

Alaska DNR, Div. of Mining & Water Management
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(Key # 38)

SITE REPORT

REPORT NUMBER: 13 , SITE NUMBER: 13.02.00, REPORT DATE: 06/06/88
REPORT TITLE: PROGRESS REPORT, HYDROCARBON RECOVERY OPERATIONS, SAUPE ENTE
REPORT BY: SHANNON & WILSON, INC.
REPORT LOCATION: SAUPE ENTERPRISES
PRIOR OWNERSHIP: NOT MENTIONED
WATER LEVELS ONLY: N
NUMBER OF WELLS: 0
NUMBER OF BORINGS: 0
NUMBER OF SURFACE SAMPLES: 0
NUMBER OF GROUNDWATER LEVELS: 20
PERMAFROST: NOT MENTIONED
SURVEYED: N, MAPS: Y, PHOTOS: N
TYPES OF POTENTIAL SOURCES:
TYPES OF POTENTIAL CONTAMINANTS:
REPORT INCLUDES SUBSURFACE SOIL CHEMISTRY DATA: N
REPORT INCLUDES SURFICIAL SOIL CHEMISTRY DATA: N
REPORT INCLUDES GROUNDWATER CHEMISTRY DATA: N
REPORT INCLUDES BULK EXCAVATION DATA: N
REPORT INCLUDES INTERPRETATIVE HYDROLOGY: N
REPORT INCLUDES QUALITY ASSURANCE PROCEDURES: N,
SURFACE STAINS: U
STAINED SOILS: U
OILY SOIL ODOR: U
SHEEN ON WATER: U
FLOATING PRODUCT: Y
REVIEWER: MARY MAURER

Alaska DNR, Div. of Mining & Water Management
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(Key # 110)

SITE REPORT

REPORT NUMBER: 70 , SITE NUMBER: 70.02.00, REPORT DATE: 02/02/94
REPORT TITLE: WELL LOGS FOR MONITORING WELLS AT SAUPE ENTERPRISES
REPORT BY: SHANNON & WILSON, INC.
REPORT LOCATION: SAUPE ENTERPRISES
PRIOR OWNERSHIP: NOT MENTIONED
WATER LEVELS ONLY: N
NUMBER OF WELLS: 23
NUMBER OF BORINGS: 0
NUMBER OF SURFACE SAMPLES: 0
NUMBER OF GROUNDWATER LEVELS: 0
PERMAFROST: NOT MENTIONED
SURVEYED: N, MAPS: N, PHOTOS: N
TYPES OF POTENTIAL SOURCES:
TYPES OF POTENTIAL CONTAMINANTS:
REPORT INCLUDES SUBSURFACE SOIL CHEMISTRY DATA: N
REPORT INCLUDES SURFICIAL SOIL CHEMISTRY DATA: N
REPORT INCLUDES GROUNDWATER CHEMISTRY DATA: N
REPORT INCLUDES BULK EXCAVATION DATA: N
REPORT INCLUDES INTERPRETATIVE HYDROLOGY: N
REPORT INCLUDES QUALITY ASSURANCE PROCEDURES: N,
SURFACE STAINS: U
STAINED SOILS: U
OILY SOIL ODOR: Y
SHEEN ON WATER: Y
FLOATING PRODUCT: U
REVIEWER: JIM VOHDEN

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 97)

SITE REPORT

REPORT NUMBER: 71 , SITE NUMBER: 71.02.00, REPORT DATE: 02/07/94
REPORT TITLE: DATA SHOWING IMPACT OF GRAVEL PIT DEWATERING ON GROUNDWATER
REPORT BY: SHANNON & WILSON, INC.
REPORT LOCATION: SAUPE ENTERPRISES
PRIOR OWNERSHIP: NOT MENTIONED
WATER LEVELS ONLY: Y
NUMBER OF WELLS: 0
NUMBER OF BORINGS: 0
NUMBER OF SURFACE SAMPLES: 0
NUMBER OF GROUNDWATER LEVELS: 120
PERMAFROST: NOT MENTIONED
SURVEYED: N, MAPS: N, PHOTOS: N
TYPES OF POTENTIAL SOURCES:
TYPES OF POTENTIAL CONTAMINANTS:
REPORT INCLUDES SUBSURFACE SOIL CHEMISTRY DATA: N
REPORT INCLUDES SURFICIAL SOIL CHEMISTRY DATA: N
REPORT INCLUDES GROUNDWATER CHEMISTRY DATA: N
REPORT INCLUDES BULK EXCAVATION DATA: N
REPORT INCLUDES INTERPRETATIVE HYDROLOGY: N
REPORT INCLUDES QUALITY ASSURANCE PROCEDURES: N,
SURFACE STAINS: U
STAINED SOILS: U
OILY SOIL ODOR: U
SHEEN ON WATER: U
FLOATING PRODUCT: U
REVIEWER: MARY MAURER

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 24)

SITE REPORT

REPORT NUMBER: 1 , SITE NUMBER: 01.03.00, REPORT DATE: 05/01/89
REPORT TITLE: PRELIMINARY HAZARDOUS WASTE SITE EVALUATION, PROPOSED MINNIE
REPORT BY: SHANNON & WILSON, INC.
REPORT LOCATION: WILLNER'S TEXACO
PRIOR OWNERSHIP: NOT MENTIONED
WATER LEVELS ONLY: N
NUMBER OF WELLS: 0
NUMBER OF BORINGS: 0
NUMBER OF SURFACE SAMPLES: 0
NUMBER OF GROUNDWATER LEVELS: 0
PERMAFROST: NOT MENTIONED
SURVEYED: N, MAPS: Y, PHOTOS: Y
TYPES OF POTENTIAL SOURCES: P,AD,AG
TYPES OF POTENTIAL CONTAMINANTS: G,D,S,O
REPORT INCLUDES SUBSURFACE SOIL CHEMISTRY DATA: N
REPORT INCLUDES SURFICIAL SOIL CHEMISTRY DATA: N
REPORT INCLUDES GROUNDWATER CHEMISTRY DATA: N
REPORT INCLUDES BULK EXCAVATION DATA: N
REPORT INCLUDES INTERPRETATIVE HYDROLOGY: N
REPORT INCLUDES QUALITY ASSURANCE PROCEDURES: N,
SURFACE STAINS: U
STAINED SOILS: U
OILY SOIL ODOR: U
SHEEN ON WATER: U
FLOATING PRODUCT: Y
REVIEWER: MARY MAURER

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 9)

SITE REPORT

REPORT NUMBER: 2 , SITE NUMBER: 02.03.00, REPORT DATE: 12/01/90
REPORT TITLE: FINAL REPORT ILLINOIS STREET AND MINNIE STREET CONNECTOR, HA
REPORT BY: SHANNON & WILSON, INC.
REPORT LOCATION: WILLNER'S TEXACO
PRIOR OWNERSHIP: NOT MENTIONED
WATER LEVELS ONLY: N
NUMBER OF WELLS: 1
NUMBER OF BORINGS: 0
NUMBER OF SURFACE SAMPLES: 0
NUMBER OF GROUNDWATER LEVELS: 3
PERMAFROST: NOT MENTIONED
SURVEYED: N, MAPS: Y, PHOTOS: N
TYPES OF POTENTIAL SOURCES:
TYPES OF POTENTIAL CONTAMINANTS:
REPORT INCLUDES SUBSURFACE SOIL CHEMISTRY DATA: Y
REPORT INCLUDES SURFICIAL SOIL CHEMISTRY DATA: N
REPORT INCLUDES GROUNDWATER CHEMISTRY DATA: Y
REPORT INCLUDES BULK EXCAVATION DATA: N
REPORT INCLUDES INTERPRETATIVE HYDROLOGY: N
REPORT INCLUDES QUALITY ASSURANCE PROCEDURES: Y, SURFACE STAINS: U
STAINED SOILS: U
OILY SOIL ODOR: Y
SHEEN ON WATER: Y
FLOATING PRODUCT: Y
REVIEWER: MARY MAURER

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 9)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 2 , SITE NUMBER: 02.03.00, REPORT DATE: 12/01/90
REPORT TITLE: FINAL REPORT ILLINOIS STREET AND MINNIE STREET CONNECTOR, HA
SAMPLE #? PW-109 SAMPLING DATE? 08/10/90 USGS #? AR10
CONTAMINANTS VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	22-13000
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	<0.01-0.06
BENZENE.....	<0.01-<0.10
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.01-5.5
TOTAL BTEX SUM.....	<0.01-8.5
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

(Key # 9)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 63 , SITE NUMBER: 63.19.00, REPORT DATE: 10/01/91
REPORT TITLE: MUS POWER PLAN MONITOR WELL INSTALLATION
SAMPLE #? MW-25 SAMPLING DATE? 10/09/91 USGS #?
CONTAMINANTS VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	2822-9069
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	
TOTAL BTEX SUM.....	
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 9)

CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 2 , SITE NUMBER: 02.03.00, REPORT DATE: 12/01/90
REPORT TITLE: FINAL REPORT ILLINOIS STREET AND MINNIE STREET CONNECTOR, HA
SAMPLE #? PW-109 SAMPLING DATE? 08/10/90 USGS #? AR10
CONTAMINANTS VALUES -PPB

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
PURGEABLE HALOCARBONS (601).....	
BENZENE.....	76
PURGEABLE AROMATICS, BTEX (602).....	<4.0-76
TOTAL BTEX SUM.....	120
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

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(Key # 113)

SITE REPORT

REPORT NUMBER: 15 , SITE NUMBER: 15.03.00, REPORT DATE: 07/29/86
REPORT TITLE: DRILLING LOGS AND WELL MEASUREMENTS AT WILLNER'S TEXACO
REPORT BY: SWAN DRILLING
REPORT LOCATION: WILLNER'S TEXACO
PRIOR OWNERSHIP: NOT MENTIONED
WATER LEVELS ONLY: N
NUMBER OF WELLS: 6
NUMBER OF BORINGS: 0
NUMBER OF SURFACE SAMPLES: 0
NUMBER OF GROUNDWATER LEVELS: 6
PERMAFROST: NOT MENTIONED
SURVEYED: N, MAPS: Y, PHOTOS: N
TYPES OF POTENTIAL SOURCES:
TYPES OF POTENTIAL CONTAMINANTS:
REPORT INCLUDES SUBSURFACE SOIL CHEMISTRY DATA: N
REPORT INCLUDES SURFICIAL SOIL CHEMISTRY DATA: N
REPORT INCLUDES GROUNDWATER CHEMISTRY DATA: N
REPORT INCLUDES BULK EXCAVATION DATA: N
REPORT INCLUDES INTERPRETATIVE HYDROLOGY: N
REPORT INCLUDES QUALITY ASSURANCE PROCEDURES: N, SURFACE STAINS: U
STAINED SOILS: U
OILY SOIL ODOR: U
SHEEN ON WATER: U
FLOATING PRODUCT: U
REVIEWER: JIM VOHDEN

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 25)

SITE REPORT

REPORT NUMBER: 1 , SITE NUMBER: 01.04.00, REPORT DATE: 05/01/89
REPORT TITLE: PRELIMINARY HAZARDOUS WASTE SITE EVALUATION, PROPOSED MINNIE
REPORT BY: SHANNON & WILSON, INC.
REPORT LOCATION: NERLAND'S/ALASKA FEED COMPANY
PRIOR OWNERSHIP: USGS; TROOPERS; ARCTIC CONTR.; BIRCH,LYTEL & GREEN CONSTR.CO
WATER LEVELS ONLY: N
NUMBER OF WELLS: 0
NUMBER OF BORINGS: 0
NUMBER OF SURFACE SAMPLES: 0
NUMBER OF GROUNDWATER LEVELS: 0
PERMAFROST: NOT MENTIONED
SURVEYED: N, MAPS: Y, PHOTOS: Y
TYPES OF POTENTIAL SOURCES:
TYPES OF POTENTIAL CONTAMINANTS:
REPORT INCLUDES SUBSURFACE SOIL CHEMISTRY DATA: N
REPORT INCLUDES SURFICIAL SOIL CHEMISTRY DATA: N
REPORT INCLUDES GROUNDWATER CHEMISTRY DATA: N
REPORT INCLUDES BULK EXCAVATION DATA: N
REPORT INCLUDES INTERPRETATIVE HYDROLOGY: N
REPORT INCLUDES QUALITY ASSURANCE PROCEDURES: N,
SURFACE STAINS: U
STAINED SOILS: U
OILY SOIL ODOR: U
SHEEN ON WATER: U
FLOATING PRODUCT: U
REVIEWER: MARY MAURER

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 18)

SITE REPORT

REPORT NUMBER: 2 , SITE NUMBER: 02.04.00, REPORT DATE: 12/01/90
REPORT TITLE: FINAL REPORT ILLINOIS STREET AND MINNIE STREET CONNECTOR, HA
REPORT BY: SHANNON & WILSON, INC.
REPORT LOCATION: NERLAND'S/ALASKA FEED COMPANY
PRIOR OWNERSHIP: NOT MENTIONED
WATER LEVELS ONLY: N
NUMBER OF WELLS: 0
NUMBER OF BORINGS: 1
NUMBER OF SURFACE SAMPLES: 0
NUMBER OF GROUNDWATER LEVELS: 1
PERMAFROST: NOT MENTIONED
SURVEYED: N, MAPS: Y, PHOTOS: N
TYPES OF POTENTIAL SOURCES:
TYPES OF POTENTIAL CONTAMINANTS:
REPORT INCLUDES SUBSURFACE SOIL CHEMISTRY DATA: Y
REPORT INCLUDES SURFICIAL SOIL CHEMISTRY DATA: N
REPORT INCLUDES GROUNDWATER CHEMISTRY DATA: N
REPORT INCLUDES BULK EXCAVATION DATA: N
REPORT INCLUDES INTERPRETATIVE HYDROLOGY: N
REPORT INCLUDES QUALITY ASSURANCE PROCEDURES: Y, SURFACE STAINS: U
STAINED SOILS: Y
OILY SOIL ODOR: Y
SHEEN ON WATER: Y
FLOATING PRODUCT: U
REVIEWER: MARY MAURER

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 18)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 2 , SITE NUMBER: 02.04.00, REPORT DATE: 12/01/90
REPORT TITLE: FINAL REPORT ILLINOIS STREET AND MINNIE STREET CONNECTOR, HA
SAMPLE #? SB-117 SAMPLING DATE? 08/14/90 USGS #? ARB12
CONTAMINANTS VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	21-5430
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	<0.02-<0.12
BENZENE.....	<0.01-0.03
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.01-4.9
TOTAL BTEX SUM.....	<0.01-6.5
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

Alaska DNR, Div. of Mining & Water Management
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(Key # 20)

SITE REPORT

REPORT NUMBER: 8 , SITE NUMBER: 08.04.00, REPORT DATE: 08/01/92
REPORT TITLE: PHASE I & II ENVIRONMENTAL SITE ASSESSMENT: ALASKA RAILROAD
REPORT BY: RZA-AGRA ENGINEERING & EN
REPORT LOCATION: NERLAND'S/ALASKA FEED COMPANY
PRIOR OWNERSHIP: NERLAND'S/ALASKA FEED COMPANY
WATER LEVELS ONLY: N
NUMBER OF WELLS: 3
NUMBER OF BORINGS: 4
NUMBER OF SURFACE SAMPLES: 0
NUMBER OF GROUNDWATER LEVELS: 7
PERMAFROST: NOT MENTIONED
SURVEYED: N, MAPS: Y, PHOTOS: Y
TYPES OF POTENTIAL SOURCES: F,UG,UD,M
TYPES OF POTENTIAL CONTAMINANTS: M,G,D
REPORT INCLUDES SUBSURFACE SOIL CHEMISTRY DATA: Y
REPORT INCLUDES SURFICIAL SOIL CHEMISTRY DATA: N
REPORT INCLUDES GROUNDWATER CHEMISTRY DATA: Y
REPORT INCLUDES BULK EXCAVATION DATA: N
REPORT INCLUDES INTERPRETATIVE HYDROLOGY: N
REPORT INCLUDES QUALITY ASSURANCE PROCEDURES: Y,
SURFACE STAINS: Y
STAINED SOILS: Y
OILY SOIL ODOR: Y
SHEEN ON WATER: Y
FLOATING PRODUCT: U
REVIEWER: MARY MAURER

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 20)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 8 , SITE NUMBER: 08.04.00, REPORT DATE: 08/01/92
REPORT TITLE: PHASE I & II ENVIRONMENTAL SITE ASSESSMENT: ALASKA RAILROAD
SAMPLE #? M-4 SAMPLING DATE? 06/26/92 USGS #?
CONTAMINANTS VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	
TOTAL BTEX SUM.....	
PCB'S.....	<0.1-<0.1
HERBICIDES.....	
ARSENIC.....	14-21
MERCURY.....	0.22-0.27
LEAD.....	78-88
METALS.....	0.89-21

(Key # 20)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 8 , SITE NUMBER: 08.04.00, REPORT DATE: 08/01/92
REPORT TITLE: PHASE I & II ENVIRONMENTAL SITE ASSESSMENT: ALASKA RAILROAD
SAMPLE #? M-5 SAMPLING DATE? 06/26/92 USGS #?
CONTAMINANTS VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	
TOTAL BTEX SUM.....	
PCB'S.....	<0.01-<0.1
HERBICIDES.....	<0.3-<3.0
ARSENIC.....	13-16
MERCURY.....	0.34-0.40
LEAD.....	24-47
METALS.....	0.58-13

Alaska DNR, Div. of Mining & Water Management
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(Key # 20)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 8 , SITE NUMBER: 08.04.00, REPORT DATE: 08/01/92
REPORT TITLE: PHASE I & II ENVIRONMENTAL SITE ASSESSMENT: ALASKA RAILROAD
SAMPLE #? M-6 SAMPLING DATE? 06/26/92 USGS #?
CONTAMINANTS

CONTAMINANTS	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1)	
VPH = TPH, GASOLINE (8015-V)	
EPH = TPH, DIESEL (8100)	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E)	
EPH = TPH, RESIDUALS (CRUDE OIL)	
HALOGENATED VOLATILE ORGANICS (8010)	
BENZENE	
AROMATIC VOLATILE ORGANICS, BTEX (8020)	
TOTAL BTEX SUM	
PCB'S	<0.1-<0.1
HERBICIDES	
ARSENIC	20-43
MERCURY	0.20-0.27
LEAD	51-58
METALS	0.54-14

(Key # 20)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 8 , SITE NUMBER: 08.04.00, REPORT DATE: 08/01/92
REPORT TITLE: PHASE I & II ENVIRONMENTAL SITE ASSESSMENT: ALASKA RAILROAD
SAMPLE #? M-7 SAMPLING DATE? 06/26/92 USGS #?
CONTAMINANTS

CONTAMINANTS	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1)	
VPH = TPH, GASOLINE (8015-V)	
EPH = TPH, DIESEL (8100)	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E)	
EPH = TPH, RESIDUALS (CRUDE OIL)	
HALOGENATED VOLATILE ORGANICS (8010)	
BENZENE	
AROMATIC VOLATILE ORGANICS, BTEX (8020)	
TOTAL BTEX SUM	
PCB'S	
HERBICIDES	
ARSENIC	77-460
MERCURY	1.7-11.0
LEAD	18-47
METALS	1.0-42

Alaska DNR, Div. of Mining & Water Management
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(Key # 20)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 8 , SITE NUMBER: 08.04.00, REPORT DATE: 08/01/92
REPORT TITLE: PHASE I & II ENVIRONMENTAL SITE ASSESSMENT: ALASKA RAILROAD
SAMPLE #? M-8 SAMPLING DATE? 06/26/92 USGS #?
CONTAMINANTS VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	
TOTAL BTEX SUM.....	
PCB'S.....	<0.01-<0.1
HERBICIDES.....	<0.3-<3.0
ARSENIC.....	7.3-11
MERCURY.....	<0.1-0.11
LEAD.....	11-14
METALS.....	0.53-12

(Key # 20)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 8 , SITE NUMBER: 08.04.00, REPORT DATE: 08/01/92
REPORT TITLE: PHASE I & II ENVIRONMENTAL SITE ASSESSMENT: ALASKA RAILROAD
SAMPLE #? M-9 SAMPLING DATE? 06/26/92 USGS #?
CONTAMINANTS VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	
TOTAL BTEX SUM.....	
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	6.8-9.2
MERCURY.....	<0.1-0.19
LEAD.....	21-83
METALS.....	0.56-15

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CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 8 , SITE NUMBER: 08.04.00, REPORT DATE: 08/01/92
REPORT TITLE: PHASE I & II ENVIRONMENTAL SITE ASSESSMENT: ALASKA RAILROAD
SAMPLE #? SB-5 SAMPLING DATE? 06/24/92 USGS #? ARB65
CONTAMINANTS VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	<1.0-<1.0
EPH = TPH, DIESEL (8100).....	<10-<10
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	<0.05-<0.05
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.05-<0.05
TOTAL BTEX SUM.....	<0.05-<0.05
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

(Key # 20)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 8 , SITE NUMBER: 08.04.00, REPORT DATE: 08/01/92
REPORT TITLE: PHASE I & II ENVIRONMENTAL SITE ASSESSMENT: ALASKA RAILROAD
SAMPLE #? SB-6 SAMPLING DATE? 06/24/92 USGS #? ARB66
CONTAMINANTS VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	<1.0-<1.0
EPH = TPH, DIESEL (8100).....	31-72
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	<0.05-<0.05
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.05-<0.05
TOTAL BTEX SUM.....	<0.05-<0.05
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	6.9-11
MERCURY.....	<0.1-0.34
LEAD.....	4.7-32
METALS.....	0.45-13

Alaska DNR, Div. of Mining & Water Management
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(Key # 20)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 8 , SITE NUMBER: 08.04.00, REPORT DATE: 08/01/92
REPORT TITLE: PHASE I & II ENVIRONMENTAL SITE ASSESSMENT: ALASKA RAILROAD
SAMPLE #? SB-7 SAMPLING DATE? 06/24/92 USGS #? ARB67
CONTAMINANTS

VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	<1.0-<1.0
EPH = TPH, DIESEL (8100).....	28-47
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	<0.05-<0.05
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.05-<0.05
TOTAL BTEX SUM.....	<0.05-<0.05
PCB'S.....	<0.01-<0.1
HERBICIDES.....	<0.3-<3.0
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

(Key # 20)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 8 , SITE NUMBER: 08.04.00, REPORT DATE: 08/01/92
REPORT TITLE: PHASE I & II ENVIRONMENTAL SITE ASSESSMENT: ALASKA RAILROAD
SAMPLE #? M-1 SAMPLING DATE? 06/24/92 USGS #?
CONTAMINANTS

VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	
TOTAL BTEX SUM.....	
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	8.1-14
MERCURY.....	0.13-0.14
LEAD.....	15-16
METALS.....	0.41-19

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 20)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 8 , SITE NUMBER: 08.04.00, REPORT DATE: 08/01/92
REPORT TITLE: PHASE I & II ENVIRONMENTAL SITE ASSESSMENT: ALASKA RAILROAD
SAMPLE #? M-2 SAMPLING DATE? 06/24/92 USGS #?
CONTAMINANTS

	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	
TOTAL BTEX SUM.....	
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	20-34
MERCURY.....	0.20-0.64
LEAD.....	6.6-20
METALS.....	0.72-21

(Key # 20)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 8 , SITE NUMBER: 08.04.00, REPORT DATE: 08/01/92
REPORT TITLE: PHASE I & II ENVIRONMENTAL SITE ASSESSMENT: ALASKA RAILROAD
SAMPLE #? M-3 SAMPLING DATE? 06/25/92 USGS #?
CONTAMINANTS

	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	
TOTAL BTEX SUM.....	
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	6.8-11
MERCURY.....	<0.1-0.14
LEAD.....	8.7-16
METALS.....	0.58-12

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 20)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 8 , SITE NUMBER: 08.04.00, REPORT DATE: 08/01/92
REPORT TITLE: PHASE I & II ENVIRONMENTAL SITE ASSESSMENT: ALASKA RAILROAD
SAMPLE #? MW-1 SAMPLING DATE? 06/23/92 USGS #? AR25
CONTAMINANTS VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	<1.0-1.2
EPH = TPH, DIESEL (8100).....	15-15
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	<0.05-<0.05
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.05-<0.05
TOTAL BTEX SUM.....	<0.05-<0.05
PCB'S.....	<0.01-<0.1
HERBICIDES.....	<0.3-<3.0
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

(Key # 20)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 8 , SITE NUMBER: 08.04.00, REPORT DATE: 08/01/92
REPORT TITLE: PHASE I & II ENVIRONMENTAL SITE ASSESSMENT: ALASKA RAILROAD
SAMPLE #? MW-2 SAMPLING DATE? 06/23/92 USGS #? AR26
CONTAMINANTS VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	25-200
EPH = TPH, DIESEL (8100).....	850-3600
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	<0.05-<0.05
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.05-5.6
TOTAL BTEX SUM.....	1.03-1.37
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 20)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 8 , SITE NUMBER: 08.04.00, REPORT DATE: 08/01/92
REPORT TITLE: PHASE I & II ENVIRONMENTAL SITE ASSESSMENT: ALASKA RAILROAD
SAMPLE #? MW-3 SAMPLING DATE? 06/24/92 USGS #? AR27
CONTAMINANTS

	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	<1.0-<1.0
EPH = TPH, DIESEL (8100).....	<10-<10
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	<0.05-<0.05
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.05-<0.05
TOTAL BTEX SUM.....	<0.05-<0.05
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	11-51
MERCURY.....	<0.1-2.3
LEAD.....	5.3-47
METALS.....	0.71-13

(Key # 20)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 8 , SITE NUMBER: 08.04.00, REPORT DATE: 08/01/92
REPORT TITLE: PHASE I & II ENVIRONMENTAL SITE ASSESSMENT: ALASKA RAILROAD
SAMPLE #? SB-4 SAMPLING DATE? 06/24/92 USGS #? ARB64
CONTAMINANTS

	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	<1.0-<1.0
EPH = TPH, DIESEL (8100).....	<10-12
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	<0.05-<0.05
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.05-<0.05
TOTAL BTEX SUM.....	<0.05-<0.05
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	5.6-7.9
MERCURY.....	<0.1-0.12
LEAD.....	3.2-5.5
METALS.....	0.44-8.0

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 20)

CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 8 , SITE NUMBER: 08.04.00, REPORT DATE: 08/01/92
REPORT TITLE: PHASE I & II ENVIRONMENTAL SITE ASSESSMENT: ALASKA RAILROAD
SAMPLE #? MW-1 SAMPLING DATE? 06/29/92 USGS #? AR25
CONTAMINANTS VALUES -PPB

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	<1.0
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
PURGEABLE HALOCARBONS (601).....	
BENZENE.....	<1
PURGEABLE AROMATICS, BTEX (602).....	<1-<1
TOTAL BTEX SUM.....	<1
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

(Key # 20)

CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 8 , SITE NUMBER: 08.04.00, REPORT DATE: 08/01/92
REPORT TITLE: PHASE I & II ENVIRONMENTAL SITE ASSESSMENT: ALASKA RAILROAD
SAMPLE #? MW-2 SAMPLING DATE? 06/29/92 USGS #? AR26
CONTAMINANTS VALUES -PPB

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	32-40
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
PURGEABLE HALOCARBONS (601).....	
BENZENE.....	25-27
PURGEABLE AROMATICS, BTEX (602).....	13-27
TOTAL BTEX SUM.....	84-91
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 20)

CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 8 , SITE NUMBER: 08.04.00, REPORT DATE: 08/01/92
REPORT TITLE: PHASE I & II ENVIRONMENTAL SITE ASSESSMENT: ALASKA RAILROAD
SAMPLE #? MW-3 SAMPLING DATE? 06/29/92 USGS #? AR27

CONTAMINANTS	VALUES -PPB
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	<1.0
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
PURGEABLE HALOCARBONS (601).....	
BENZENE.....	<1
PURGEABLE AROMATICS, BTEX (602).....	<1-<1
TOTAL BTEX SUM.....	<1
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 39)

SITE REPORT

REPORT NUMBER: 14 , SITE NUMBER: 14.04.00, REPORT DATE: 10/12/90
REPORT TITLE: NERLAND'S PROPERTY ON ILLINOIS ST.-GOLD STORAGE ROOM, PROJEC
REPORT BY: ENVIRONMENTAL SYSTEMS INC
REPORT LOCATION: NERLAND'S/ALASKA FEED COMPANY
PRIOR OWNERSHIP: NOT MENTIONED
WATER LEVELS ONLY: N
NUMBER OF WELLS: 0
NUMBER OF BORINGS: 0
NUMBER OF SURFACE SAMPLES: 4
NUMBER OF GROUNDWATER LEVELS: 0
PERMAFROST: NOT MENTIONED
SURVEYED: N, MAPS: Y, PHOTOS: N
TYPES OF POTENTIAL SOURCES: M,F
TYPES OF POTENTIAL CONTAMINANTS: M
REPORT INCLUDES SUBSURFACE SOIL CHEMISTRY DATA: N
REPORT INCLUDES SURFICIAL SOIL CHEMISTRY DATA: Y
REPORT INCLUDES GROUNDWATER CHEMISTRY DATA: N
REPORT INCLUDES BULK EXCAVATION DATA: N
REPORT INCLUDES INTERPRETATIVE HYDROLOGY: N
REPORT INCLUDES QUALITY ASSURANCE PROCEDURES: N,
SURFACE STAINS: U
STAINED SOILS: U
OILY SOIL ODOR: U
SHEEN ON WATER: U
FLOATING PRODUCT: U
REVIEWER: MARY MAURER

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 39)

CHEMISTRY DATA - SURFACE SOIL

REPORT NUMBER: 14 , SITE NUMBER: 14.04.00, REPORT DATE: 10/12/90
REPORT TITLE: NERLAND'S PROPERTY ON ILLINOIS ST.-GOLD STORAGE ROOM, PROJEC
SAMPLE #? 31 SAMPLING DATE? 10/12/90 USGS #?
CONTAMINANTS

CONTAMINANTS	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	
TOTAL BTEX SUM.....	
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	50.0
MERCURY.....	0.42
LEAD.....	23.2
METALS.....	0.94-10.9

(Key # 39)

CHEMISTRY DATA - SURFACE SOIL

REPORT NUMBER: 14 , SITE NUMBER: 14.04.00, REPORT DATE: 10/12/90
REPORT TITLE: NERLAND'S PROPERTY ON ILLINOIS ST.-GOLD STORAGE ROOM, PROJEC
SAMPLE #? 32 SAMPLING DATE? 10/12/90 USGS #?
CONTAMINANTS

CONTAMINANTS	VALUES ~PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	
TOTAL BTEX SUM.....	
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	65.7
MERCURY.....	0.62
LEAD.....	6.74
METALS.....	0.78-14.2

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 39)

CHEMISTRY DATA - SURFACE SOIL

REPORT NUMBER: 14 , SITE NUMBER: 14.04.00, REPORT DATE: 10/12/90
REPORT TITLE: NERLAND'S PROPERTY ON ILLINOIS ST.-GOLD STORAGE ROOM, PROJEC
SAMPLE #? 33 SAMPLING DATE? 10/12/90 USGS #?
CONTAMINANTS

VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	
TOTAL BTEX SUM.....	
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	33.0
MERCURY.....	2.78
LEAD.....	450
METALS.....	0.04-1.87

(Key # 39)

CHEMISTRY DATA - SURFACE SOIL

REPORT NUMBER: 14 , SITE NUMBER: 14.04.00, REPORT DATE: 10/12/90
REPORT TITLE: NERLAND'S PROPERTY ON ILLINOIS ST.-GOLD STORAGE ROOM, PROJEC
SAMPLE #? 34 SAMPLING DATE? 10/12/90 USGS #?
CONTAMINANTS

VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	
TOTAL BTEX SUM.....	
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	38.2
MERCURY.....	4.57
LEAD.....	820
METALS.....	1.08-1.92

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 26)

SITE REPORT

REPORT NUMBER: 1 , SITE NUMBER: 01.05.00, REPORT DATE: 05/01/89
REPORT TITLE: PRELIMINARY HAZARDOUS WASTE SITE EVALUATION, PROPOSED MINNIE
REPORT BY: SHANNON & WILSON, INC.
REPORT LOCATION: VANGAS
PRIOR OWNERSHIP: NORTHERN GAS & OIL COMPANY
WATER LEVELS ONLY: N
NUMBER OF WELLS: 0
NUMBER OF BORINGS: 0
NUMBER OF SURFACE SAMPLES: 0
NUMBER OF GROUNDWATER LEVELS: 0
PERMAFROST: NOT MENTIONED
SURVEYED: N, MAPS: Y, PHOTOS: Y
TYPES OF POTENTIAL SOURCES: O,P,AD,W
TYPES OF POTENTIAL CONTAMINANTS: O,D,W
REPORT INCLUDES SUBSURFACE SOIL CHEMISTRY DATA: N
REPORT INCLUDES SURFICIAL SOIL CHEMISTRY DATA: N
REPORT INCLUDES GROUNDWATER CHEMISTRY DATA: N
REPORT INCLUDES BULK EXCAVATION DATA: N
REPORT INCLUDES INTERPRETATIVE HYDROLOGY: N
REPORT INCLUDES QUALITY ASSURANCE PROCEDURES: N,
SURFACE STAINS: Y
STAINED SOILS: U
OILY SOIL ODOR: U
SHEEN ON WATER: U
FLOATING PRODUCT: U
REVIEWER: MARY MAURER

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 6)

SITE REPORT

REPORT NUMBER: 2 , SITE NUMBER: 02.05.00, REPORT DATE: 12/01/90
REPORT TITLE: FINAL REPORT ILLINOIS STREET AND MINNIE STREET CONNECTOR, HA
REPORT BY: SHANNON & WILSON, INC.
REPORT LOCATION: VANGAS
PRIOR OWNERSHIP: NOT MENTIONED
WATER LEVELS ONLY: N
NUMBER OF WELLS: 6
NUMBER OF BORINGS: 0
NUMBER OF SURFACE SAMPLES: 4
NUMBER OF GROUNDWATER LEVELS: 16
PERMAFROST: NOT MENTIONED
SURVEYED: N, MAPS: Y, PHOTOS: N
TYPES OF POTENTIAL SOURCES: P
TYPES OF POTENTIAL CONTAMINANTS:
REPORT INCLUDES SUBSURFACE SOIL CHEMISTRY DATA: Y
REPORT INCLUDES SURFICIAL SOIL CHEMISTRY DATA: Y
REPORT INCLUDES GROUNDWATER CHEMISTRY DATA: Y
REPORT INCLUDES BULK EXCAVATION DATA: N
REPORT INCLUDES INTERPRETATIVE HYDROLOGY: N
REPORT INCLUDES QUALITY ASSURANCE PROCEDURES: Y, SURFACE STAINS: U
STAINED SOILS: Y
OILY SOIL ODOR: Y
SHEEN ON WATER: Y
FLOATING PRODUCT: Y

REVIEWER: MARY MAURER

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 6)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 2 , SITE NUMBER: 02.05.00, REPORT DATE: 12/01/90
REPORT TITLE: FINAL REPORT ILLINOIS STREET AND MINNIE STREET CONNECTOR, HA
SAMPLE #? PW-104 SAMPLING DATE? 08/09/90 USGS #? AR15
CONTAMINANTS

	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	55-8560
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	<0.01-<0.05
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.01-24
TOTAL BTEX SUM.....	<0.01-27.1
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

(Key # 6)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 2 , SITE NUMBER: 02.05.00, REPORT DATE: 12/01/90
REPORT TITLE: FINAL REPORT ILLINOIS STREET AND MINNIE STREET CONNECTOR, HA
SAMPLE #? PW-105 SAMPLING DATE? 08/08/90 USGS #? AR14
CONTAMINANTS

	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	15000-120000
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	<2.5-<2.5
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<2.5-92
TOTAL BTEX SUM.....	48.5-116.5
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

Alaska DNR, Div. of Mining & Water Management
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(Key # 6)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 2 , SITE NUMBER: 02.05.00, REPORT DATE: 12/01/90
REPORT TITLE: FINAL REPORT ILLINOIS STREET AND MINNIE STREET CONNECTOR, HA
SAMPLE #? PW-106 SAMPLING DATE? 08/09/90 USGS #? AR13
CONTAMINANTS VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	5700-27000
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	<0.03-<5
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.03-89
TOTAL BTEX SUM.....	3.52-99.4
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

(Key # 6)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 2 , SITE NUMBER: 02.05.00, REPORT DATE: 12/01/90
REPORT TITLE: FINAL REPORT ILLINOIS STREET AND MINNIE STREET CONNECTOR, HA
SAMPLE #? PW-107 SAMPLING DATE? 08/10/90 USGS #? AR12
CONTAMINANTS VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	43-46000
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	<0.01-<0.5
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.01-54
TOTAL BTEX SUM.....	<0.01-58
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 6)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 2 , SITE NUMBER: 02.05.00, REPORT DATE: 12/01/90
REPORT TITLE: FINAL REPORT ILLINOIS STREET AND MINNIE STREET CONNECTOR, HA
SAMPLE #? PW-110 SAMPLING DATE? 08/11/90 USGS #? AR9
CONTAMINANTS

	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	7450-16000
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	<0.01-<0.5
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.01-8.5
TOTAL BTEX SUM.....	2.21-11
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

(Key # 6)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 2 , SITE NUMBER: 02.05.00, REPORT DATE: 12/01/90
REPORT TITLE: FINAL REPORT ILLINOIS STREET AND MINNIE STREET CONNECTOR, HA
SAMPLE #? GW-116 SAMPLING DATE? 08/14/90 USGS #? AR3
CONTAMINANTS

	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	21-215
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	<0.01-<0.12
BENZENE.....	<0.01-<0.01
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.01-<0.04
TOTAL BTEX SUM.....	<0.01-<0.04
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 6)

CHEMISTRY DATA - SURFACE SOIL

REPORT NUMBER: 2 , SITE NUMBER: 02.05.00, REPORT DATE: 12/01/90
REPORT TITLE: FINAL REPORT ILLINOIS STREET AND MINNIE STREET CONNECTOR, HA
SAMPLE #? SS-22 SAMPLING DATE? 08/29/90 USGS #?
CONTAMINANTS

	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	49000
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	<0.10-1.70
BENZENE.....	
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	
TOTAL BTEX SUM.....	
PCB'S.....	<0.1-<0.1
HERBICIDES.....	
ARSENIC.....	62.5
MERCURY.....	
LEAD.....	71.5
METALS.....	2.3-29.2

(Key # 6)

CHEMISTRY DATA - SURFACE SOIL

REPORT NUMBER: 2 , SITE NUMBER: 02.05.00, REPORT DATE: 12/01/90
REPORT TITLE: FINAL REPORT ILLINOIS STREET AND MINNIE STREET CONNECTOR, HA
SAMPLE #? SS-23 SAMPLING DATE? 08/29/90 USGS #?
CONTAMINANTS

	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	198
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	<0.01
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.01-0.03
TOTAL BTEX SUM.....	0.03
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

Alaska DNR, Div. of Mining & Water Management
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(Key # 6)

CHEMISTRY DATA - SURFACE SOIL

REPORT NUMBER: 2 , SITE NUMBER: 02.05.00, REPORT DATE: 12/01/90
REPORT TITLE: FINAL REPORT ILLINOIS STREET AND MINNIE STREET CONNECTOR, HA
SAMPLE #? SS-24 SAMPLING DATE? 08/29/90 USGS #?
CONTAMINANTS

CONTAMINANTS	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	3270
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	<0.01
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.01-<0.04
TOTAL BTEX SUM.....	<0.04
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

(Key # 6)

CHEMISTRY DATA - SURFACE SOIL

REPORT NUMBER: 2 , SITE NUMBER: 02.05.00, REPORT DATE: 12/01/90
REPORT TITLE: FINAL REPORT ILLINOIS STREET AND MINNIE STREET CONNECTOR, HA
SAMPLE #? SS-25 SAMPLING DATE? 08/29/90 USGS #?
CONTAMINANTS

CONTAMINANTS	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	46
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	0.01
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.01-0.04
TOTAL BTEX SUM.....	0.08
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 6)

CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 2 , SITE NUMBER: 02.05.00, REPORT DATE: 12/01/90
REPORT TITLE: FINAL REPORT ILLINOIS STREET AND MINNIE STREET CONNECTOR, HA
SAMPLE #? PW-104 SAMPLING DATE? 08/09/90 USGS #? AR15
CONTAMINANTS

	VALUES -PPB
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
PURGEABLE HALOCARBONS (601).....	
BENZENE.....	100
PURGEABLE AROMATICS, BTEX (602).....	<40-5600
TOTAL BTEX SUM.....	6350
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

(Key # 6)

CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 2 , SITE NUMBER: 02.05.00, REPORT DATE: 12/01/90
REPORT TITLE: FINAL REPORT ILLINOIS STREET AND MINNIE STREET CONNECTOR, HA
SAMPLE #? GW-116 SAMPLING DATE? 08/14/90 USGS #? AR3
CONTAMINANTS

	VALUES -PPB
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
PURGEABLE HALOCARBONS (601).....	<0.02-<2.0
BENZENE.....	43
PURGEABLE AROMATICS, BTEX (602).....	<4.0-43
TOTAL BTEX SUM.....	43
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

Alaska DNR, Div. of Mining & Water Management
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(Key # 27)

SITE REPORT

REPORT NUMBER: 1 , SITE NUMBER: 01.06.00, REPORT DATE: 05/01/89
REPORT TITLE: PRELIMINARY HAZARDOUS WASTE SITE EVALUATION, PROPOSED MINNIE
REPORT BY: SHANNON & WILSON, INC.
REPORT LOCATION: ALASKA GOLD
PRIOR OWNERSHIP: U.S. SMELTING, REFINING, & MINING CO.
WATER LEVELS ONLY: N
NUMBER OF WELLS: 0
NUMBER OF BORINGS: 0
NUMBER OF SURFACE SAMPLES: 0
NUMBER OF GROUNDWATER LEVELS: 0
PERMAFROST: NOT MENTIONED
SURVEYED: N, MAPS: Y, PHOTOS: Y
TYPES OF POTENTIAL SOURCES: M
TYPES OF POTENTIAL CONTAMINANTS: M,S,P,H
REPORT INCLUDES SUBSURFACE SOIL CHEMISTRY DATA: N
REPORT INCLUDES SURFICIAL SOIL CHEMISTRY DATA: N
REPORT INCLUDES GROUNDWATER CHEMISTRY DATA: N
REPORT INCLUDES BULK EXCAVATION DATA: N
REPORT INCLUDES INTERPRETATIVE HYDROLOGY: N
REPORT INCLUDES QUALITY ASSURANCE PROCEDURES: N,
SURFACE STAINS: U
STAINED SOILS: U
OILY SOIL ODOR: U
SHEEN ON WATER: U
FLOATING PRODUCT: U
REVIEWER: MARY MAURER

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 17)

SITE REPORT

REPORT NUMBER: 2 , SITE NUMBER: 02.06.01, REPORT DATE: 12/01/90
REPORT TITLE: FINAL REPORT ILLINOIS STREET AND MINNIE STREET CONNECTOR, HA
REPORT BY: SHANNON & WILSON, INC.
REPORT LOCATION: ALASKA GOLD-ON DRIVEWAY STREET
PRIOR OWNERSHIP: NOT MENTIONED
WATER LEVELS ONLY: N
NUMBER OF WELLS: 0
NUMBER OF BORINGS: 0
NUMBER OF SURFACE SAMPLES: 3
NUMBER OF GROUNDWATER LEVELS: 0
PERMAFROST: NOT MENTIONED
SURVEYED: N, MAPS: Y, PHOTOS: N
TYPES OF POTENTIAL SOURCES:
TYPES OF POTENTIAL CONTAMINANTS:
REPORT INCLUDES SUBSURFACE SOIL CHEMISTRY DATA: N
REPORT INCLUDES SURFICIAL SOIL CHEMISTRY DATA: Y
REPORT INCLUDES GROUNDWATER CHEMISTRY DATA: N
REPORT INCLUDES BULK EXCAVATION DATA: N
REPORT INCLUDES INTERPRETATIVE HYDROLOGY: N
REPORT INCLUDES QUALITY ASSURANCE PROCEDURES: Y,
SURFACE STAINS: U
STAINED SOILS: U
OILY SOIL ODOR: U
SHEEN ON WATER: U
FLOATING PRODUCT: U
REVIEWER: MARY MAURER

Alaska DNR, Div. of Mining & Water Management
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(Key # 17)

CHEMISTRY DATA - SURFACE SOIL

REPORT NUMBER: 2 , SITE NUMBER: 02.06.01, REPORT DATE: 12/01/90
REPORT TITLE: FINAL REPORT ILLINOIS STREET AND MINNIE STREET CONNECTOR, HA
SAMPLE #? SS-15 SAMPLING DATE? 08/28/90 USGS #?
CONTAMINANTS

VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	
TOTAL BTEX SUM.....	
PCB'S.....	<0.0005-<0.1
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

(Key # 17)

CHEMISTRY DATA - SURFACE SOIL

REPORT NUMBER: 2 , SITE NUMBER: 02.06.01, REPORT DATE: 12/01/90
REPORT TITLE: FINAL REPORT ILLINOIS STREET AND MINNIE STREET CONNECTOR, HA
SAMPLE #? SS-16 SAMPLING DATE? 08/28/90 USGS #?
CONTAMINANTS

VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	
TOTAL BTEX SUM.....	
PCB'S.....	<0.1-0.6
HERBICIDES.....	
ARSENIC.....	124.1
MERCURY.....	1.3767
LEAD.....	82.3
METALS.....	

Alaska DNR, Div. of Mining & Water Management
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(Key # 17)

CHEMISTRY DATA - SURFACE SOIL

REPORT NUMBER: 2 , SITE NUMBER: 02.06.01, REPORT DATE: 12/01/90
REPORT TITLE: FINAL REPORT ILLINOIS STREET AND MINNIE STREET CONNECTOR, HA
SAMPLE #? SS-17 SAMPLING DATE? 08/28/90 USGS #?
CONTAMINANTS

CONTAMINANTS	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	
TOTAL BTEX SUM.....	
PCB'S.....	<0.1-0.3
HERBICIDES.....	
ARSENIC.....	161.0
MERCURY.....	0.6579
LEAD.....	95.4
METALS.....	

Alaska DNR, Div. of Mining & Water Management
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(Key # 41)

SITE REPORT

REPORT NUMBER: 17 , SITE NUMBER: 17.06.02, REPORT DATE: 04/15/92
REPORT TITLE: ALASKA GOLD BUILDING SITE, 612 ILLINOIS STREET, LIMITED SITE
REPORT BY: FPE/ROEN ENGINEERS, INC.
REPORT LOCATION: ALASKA GOLD 612 ILLINOIS ST.
PRIOR OWNERSHIP: NOT MENTIONED
WATER LEVELS ONLY: N
NUMBER OF WELLS: 0
NUMBER OF BORINGS: 0
NUMBER OF SURFACE SAMPLES: 0
NUMBER OF GROUNDWATER LEVELS: 0
PERMAFROST: NOT MENTIONED
SURVEYED: N, MAPS: Y, PHOTOS: N
TYPES OF POTENTIAL SOURCES: M,P
TYPES OF POTENTIAL CONTAMINANTS: M
REPORT INCLUDES SUBSURFACE SOIL CHEMISTRY DATA: Y
REPORT INCLUDES SURFICIAL SOIL CHEMISTRY DATA: N
REPORT INCLUDES GROUNDWATER CHEMISTRY DATA: N
REPORT INCLUDES BULK EXCAVATION DATA: N
REPORT INCLUDES INTERPRETATIVE HYDROLOGY: N
REPORT INCLUDES QUALITY ASSURANCE PROCEDURES: Y,
SURFACE STAINS: U
STAINED SOILS: U
OILY SOIL ODOR: U
SHEEN ON WATER: U
FLOATING PRODUCT: U
REVIEWER: MARY MAURER

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 41)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 17 , SITE NUMBER: 17.06.02, REPORT DATE: 04/15/92
REPORT TITLE: ALASKA GOLD BUILDING SITE, 612 ILLINOIS STREET, LIMITED SITE
SAMPLE #? #1 SAMPLING DATE? 03/09/92 USGS #? ARB68
CONTAMINANTS VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	
TOTAL BTEX SUM.....	
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	<5-<5
MERCURY.....	<2-<2
LEAD.....	13-94
METALS.....	

(Key # 41)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 17 , SITE NUMBER: 17.06.02, REPORT DATE: 04/15/92
REPORT TITLE: ALASKA GOLD BUILDING SITE, 612 ILLINOIS STREET, LIMITED SITE
SAMPLE #? #2 SAMPLING DATE? 03/09/92 USGS #? ARB69
CONTAMINANTS VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	
TOTAL BTEX SUM.....	
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	<5-<5
MERCURY.....	<2-<2
LEAD.....	8-32
METALS.....	

Alaska DNR, Div. of Mining & Water Management
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(Key # 41)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 17 , SITE NUMBER: 17.06.02, REPORT DATE: 04/15/92
REPORT TITLE: ALASKA GOLD BUILDING SITE, 612 ILLINOIS STREET, LIMITED SITE
SAMPLE #? #3 SAMPLING DATE? 03/09/92 USGS #? ARB70
CONTAMINANTS VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	
TOTAL BTEX SUM.....	
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	<5-<5
MERCURY.....	<2-<2
LEAD.....	10-19
METALS.....	

(Key # 41)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 17 , SITE NUMBER: 17.06.02, REPORT DATE: 04/15/92
REPORT TITLE: ALASKA GOLD BUILDING SITE, 612 ILLINOIS STREET, LIMITED SITE
SAMPLE #? #4 SAMPLING DATE? 03/09/92 USGS #? ARB71
CONTAMINANTS VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	
TOTAL BTEX SUM.....	
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	<5-<5
MERCURY.....	<2-<2
LEAD.....	8-15
METALS.....	

Alaska DNR, Div. of Mining & Water Management
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(Key # 41)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 17 , SITE NUMBER: 17.06.02, REPORT DATE: 04/15/92
REPORT TITLE: ALASKA GOLD BUILDING SITE, 612 ILLINOIS STREET, LIMITED SITE
SAMPLE #? #5 SAMPLING DATE? 03/09/92 USGS #? ARB72
CONTAMINANTS VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	
TOTAL BTEX SUM.....	
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	<5-<5
MERCURY.....	<2-<2
LEAD.....	10-57
METALS.....	

(Key # 41)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 17 , SITE NUMBER: 17.06.02, REPORT DATE: 04/15/92
REPORT TITLE: ALASKA GOLD BUILDING SITE, 612 ILLINOIS STREET, LIMITED SITE
SAMPLE #? #6 SAMPLING DATE? 03/09/92 USGS #? ARB73
CONTAMINANTS VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	
TOTAL BTEX SUM.....	
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	<5-41
MERCURY.....	<2-<2
LEAD.....	8-54
METALS.....	

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(Key # 41)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 17 , SITE NUMBER: 17.06.02, REPORT DATE: 04/15/92
REPORT TITLE: ALASKA GOLD BUILDING SITE, 612 ILLINOIS STREET, LIMITED SITE
SAMPLE #? #7 SAMPLING DATE? 03/09/92 USGS #? ARB74
CONTAMINANTS VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	
TOTAL BTEX SUM.....	
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	<5-<5
MERCURY.....	<2-<2
LEAD.....	8-13
METALS.....	

(Key # 41)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 17 , SITE NUMBER: 17.06.02, REPORT DATE: 04/15/92
REPORT TITLE: ALASKA GOLD BUILDING SITE, 612 ILLINOIS STREET, LIMITED SITE
SAMPLE #? #8 SAMPLING DATE? 03/09/92 USGS #? ARB75
CONTAMINANTS VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	
TOTAL BTEX SUM.....	
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	<5-<5
MERCURY.....	<2-<2
LEAD.....	9-20
METALS.....	

Alaska DNR, Div. of Mining & Water Management
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(Key # 65)

SITE REPORT

REPORT NUMBER: 19 , SITE NUMBER: 19.06.02, REPORT DATE: 02/01/89
REPORT TITLE: SITE INSPECTION REPORT FOR USSR&M, CONTRACT#18-444-88, FAIRBA
REPORT BY: ECOLOGY AND ENVIRONMENT
REPORT LOCATION: ALASKA GOLD
PRIOR OWNERSHIP: <1964:UV INDUSTRIES(FOUNDED AK GOLD); >1970:SHARON STEEL CO.
WATER LEVELS ONLY: N
NUMBER OF WELLS: 0
NUMBER OF BORINGS: 0
NUMBER OF SURFACE SAMPLES: 5
NUMBER OF GROUNDWATER LEVELS: 0
PERMAFROST: NOT MENTIONED
SURVEYED: N, MAPS: Y, PHOTOS: Y
TYPES OF POTENTIAL SOURCES:
TYPES OF POTENTIAL CONTAMINANTS:
REPORT INCLUDES SUBSURFACE SOIL CHEMISTRY DATA: N
REPORT INCLUDES SURFICIAL SOIL CHEMISTRY DATA: Y
REPORT INCLUDES GROUNDWATER CHEMISTRY DATA: Y
REPORT INCLUDES BULK EXCAVATION DATA: N
REPORT INCLUDES INTERPRETATIVE HYDROLOGY: N
REPORT INCLUDES QUALITY ASSURANCE PROCEDURES: Y, SURFACE STAINS: U
STAINED SOILS: N
OILY SOIL ODOR: U
SHEEN ON WATER: U
FLOATING PRODUCT: U
REVIEWER: JIM VOHDEN

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 65)

CHEMISTRY DATA - SURFACE SOIL

REPORT NUMBER: 19 , SITE NUMBER: 19.06.02, REPORT DATE: 02/01/89
REPORT TITLE: SITE INSPECTION REPORT FOR USSR&M, CONTRACT#18-444-88, FAIRBA
SAMPLE #? S1 SAMPLING DATE? 10/10/88 USGS #?
CONTAMINANTS

VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	
TOTAL BTEX SUM.....	
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	1150
MERCURY.....	76.4
LEAD.....	506
METALS.....	70991

(Key # 65)

CHEMISTRY DATA - SURFACE SOIL

REPORT NUMBER: 19 , SITE NUMBER: 19.06.02, REPORT DATE: 02/01/89
REPORT TITLE: SITE INSPECTION REPORT FOR USSR&M, CONTRACT#18-444-88, FAIRBA
SAMPLE #? S2 SAMPLING DATE? 10/10/88 USGS #?
CONTAMINANTS

VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	
TOTAL BTEX SUM.....	
PCB'S.....	7.800
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 65)

CHEMISTRY DATA - SURFACE SOIL

REPORT NUMBER: 19 , SITE NUMBER: 19.06.02, REPORT DATE: 02/01/89
REPORT TITLE: SITE INSPECTION REPORT FOR USSR&M, CONTRACT#18-444-88, FAIRBA
SAMPLE #? S3 SAMPLING DATE? 10/10/88 USGS #?
CONTAMINANTS

	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	
TOTAL BTEX SUM.....	
PCB'S.....	18.00
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

(Key # 65)

CHEMISTRY DATA - SURFACE SOIL

REPORT NUMBER: 19 , SITE NUMBER: 19.06.02, REPORT DATE: 02/01/89
REPORT TITLE: SITE INSPECTION REPORT FOR USSR&M, CONTRACT#18-444-88, FAIRBA
SAMPLE #? S4 SAMPLING DATE? 10/10/88 USGS #?
CONTAMINANTS

	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	
TOTAL BTEX SUM.....	
PCB'S.....	11.00
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 65)

CHEMISTRY DATA - SURFACE SOIL

REPORT NUMBER: 19 , SITE NUMBER: 19.06.02, REPORT DATE: 02/01/89
REPORT TITLE: SITE INSPECTION REPORT FOR USSR&M, CONTRACT#18-444-88, FAIRBA
SAMPLE #? S5 SAMPLING DATE? 10/10/88 USGS #?

CONTAMINANTS	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	
TOTAL BTEX SUM.....	
PCB'S.....	<0.360
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 56)

SITE REPORT

REPORT NUMBER: 27 , SITE NUMBER: 27.06.02, REPORT DATE: 02/12/91
REPORT TITLE: USSR&M SITE INVESTIGATION REPORT AND PROPOSED REMEDIAL PLAN.
REPORT BY: AMERICA NORTH INC.
REPORT LOCATION: ALASKA GOLD
PRIOR OWNERSHIP: USSR&M / FAIRBANKS EXPLORATION CO.
WATER LEVELS ONLY: N
NUMBER OF WELLS: 4
NUMBER OF BORINGS: 22
NUMBER OF SURFACE SAMPLES: 57
NUMBER OF GROUNDWATER LEVELS: 4
PERMAFROST: NOT MENTIONED
SURVEYED: N, MAPS: Y, PHOTOS: N
TYPES OF POTENTIAL SOURCES:
TYPES OF POTENTIAL CONTAMINANTS:
REPORT INCLUDES SUBSURFACE SOIL CHEMISTRY DATA: Y
REPORT INCLUDES SURFICIAL SOIL CHEMISTRY DATA: Y
REPORT INCLUDES GROUNDWATER CHEMISTRY DATA: Y
REPORT INCLUDES BULK EXCAVATION DATA: N
REPORT INCLUDES INTERPRETATIVE HYDROLOGY: Y
REPORT INCLUDES QUALITY ASSURANCE PROCEDURES: N, SURFACE STAINS: U
STAINED SOILS: U
OILY SOIL ODOR: U
SHEEN ON WATER: U
FLOATING PRODUCT: U

REVIEWER: JIM VOHDEN

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 56)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 27 , SITE NUMBER: 27.06.02, REPORT DATE: 02/12/91
REPORT TITLE: USSR&M SITE INVESTIGATION REPORT AND PROPOSED REMEDIAL PLAN.
SAMPLE #? PR-1 SAMPLING DATE? 04/27/89 USGS #? AR40
CONTAMINANTS VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	1.0-1.2
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	
TOTAL BTEX SUM.....	
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

(Key # 56)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 27 , SITE NUMBER: 27.06.02, REPORT DATE: 02/12/91
REPORT TITLE: USSR&M SITE INVESTIGATION REPORT AND PROPOSED REMEDIAL PLAN.
SAMPLE #? PR-2 SAMPLING DATE? 04/26/89 USGS #? AR41
CONTAMINANTS VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	1.1
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	
TOTAL BTEX SUM.....	
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 56)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 27 , SITE NUMBER: 27.06.02, REPORT DATE: 02/12/91
REPORT TITLE: USSR&M SITE INVESTIGATION REPORT AND PROPOSED REMEDIAL PLAN.
SAMPLE #? RS1 SAMPLING DATE? 04/27/89 USGS #?
CONTAMINANTS

VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	1.1-4.3
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	
TOTAL BTEX SUM.....	
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

(Key # 56)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 27 , SITE NUMBER: 27.06.02, REPORT DATE: 02/12/91
REPORT TITLE: USSR&M SITE INVESTIGATION REPORT AND PROPOSED REMEDIAL PLAN.
SAMPLE #? GH-1B SAMPLING DATE? 04/25/89 USGS #?
CONTAMINANTS

VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	
TOTAL BTEX SUM.....	
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	453-5655
MERCURY.....	13.8-137
LEAD.....	
METALS.....	

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 56)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 27 , SITE NUMBER: 27.06.02, REPORT DATE: 02/12/91
REPORT TITLE: USSR&M SITE INVESTIGATION REPORT AND PROPOSED REMEDIAL PLAN.
SAMPLE #? GH-1C SAMPLING DATE? 04/25/89 USGS #? ARB47
CONTAMINANTS VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	
TOTAL BTEX SUM.....	
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	15-1860
MERCURY.....	2.77-587
LEAD.....	
METALS.....	

(Key # 56)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 27 , SITE NUMBER: 27.06.02, REPORT DATE: 02/12/91
REPORT TITLE: USSR&M SITE INVESTIGATION REPORT AND PROPOSED REMEDIAL PLAN.
SAMPLE #? GH-2A SAMPLING DATE? 04/26/89 USGS #? ARB42
CONTAMINANTS VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	
TOTAL BTEX SUM.....	
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	915-2240
MERCURY.....	37.9-116
LEAD.....	
METALS.....	

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 56)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 27 , SITE NUMBER: 27.06.02, REPORT DATE: 02/12/91
REPORT TITLE: USSR&M SITE INVESTIGATION REPORT AND PROPOSED REMEDIAL PLAN.
SAMPLE #? GH-2B SAMPLING DATE? 04/25/89 USGS #? ARB45
CONTAMINANTS VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	
TOTAL BTEX SUM.....	
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	867-1980
MERCURY.....	59.2-345
LEAD.....	
METALS.....	

(Key # 56)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 27 , SITE NUMBER: 27.06.02, REPORT DATE: 02/12/91
REPORT TITLE: USSR&M SITE INVESTIGATION REPORT AND PROPOSED REMEDIAL PLAN.
SAMPLE #? GH-2C SAMPLING DATE? 04/25/89 USGS #? ARB48
CONTAMINANTS VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	
TOTAL BTEX SUM.....	
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	320-990
MERCURY.....	87-194
LEAD.....	
METALS.....	

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 56)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 27 , SITE NUMBER: 27.06.02, REPORT DATE: 02/12/91
REPORT TITLE: USSR&M SITE INVESTIGATION REPORT AND PROPOSED REMEDIAL PLAN.
SAMPLE #? GH-3A SAMPLING DATE? 04/26/89 USGS #? ARB44
CONTAMINANTS VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	
TOTAL BTEX SUM.....	
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	2.83-1146
MERCURY.....	0.35-296
LEAD.....	
METALS.....	

(Key # 56)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 27 , SITE NUMBER: 27.06.02, REPORT DATE: 02/12/91
REPORT TITLE: USSR&M SITE INVESTIGATION REPORT AND PROPOSED REMEDIAL PLAN.
SAMPLE #? GH-3B SAMPLING DATE? 04/25/89 USGS #? ARB46
CONTAMINANTS VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	
TOTAL BTEX SUM.....	
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	320-812
MERCURY.....	12-42.2
LEAD.....	
METALS.....	

Alaska DNR, Div. of Mining & Water Management
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(Key # 56)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 27 , SITE NUMBER: 27.06.02, REPORT DATE: 02/12/91
REPORT TITLE: USSR&M SITE INVESTIGATION REPORT AND PROPOSED REMEDIAL PLAN.
SAMPLE #? GH-3C SAMPLING DATE? 04/25/89 USGS #? ARB49
CONTAMINANTS VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	
TOTAL BTEX SUM.....	
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	3.3-1190
MERCURY.....	0.25-140
LEAD.....	
METALS.....	

(Key # 56)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 27 , SITE NUMBER: 27.06.02, REPORT DATE: 02/12/91
REPORT TITLE: USSR&M SITE INVESTIGATION REPORT AND PROPOSED REMEDIAL PLAN.
SAMPLE #? GHB SAMPLING DATE? 04/27/89 USGS #?
CONTAMINANTS VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	
TOTAL BTEX SUM.....	
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	157-160
MERCURY.....	45
LEAD.....	
METALS.....	

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 56)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 27 , SITE NUMBER: 27.06.02, REPORT DATE: 02/12/91
REPORT TITLE: USSR&M SITE INVESTIGATION REPORT AND PROPOSED REMEDIAL PLAN.
SAMPLE #? GHC SAMPLING DATE? 04/27/89 USGS #?
CONTAMINANTS

VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....
VPH = TPH, GASOLINE (8015-V).....
EPH = TPH, DIESEL (8100).....
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....
EPH = TPH, RESIDUALS (CRUDE OIL).....
HALOGENATED VOLATILE ORGANICS (8010).....
BENZENE.....
AROMATIC VOLATILE ORGANICS, BTEX (8020).....
TOTAL BTEX SUM.....
PCB'S.....
HERBICIDES.....
ARSENIC.....
MERCURY.....
LEAD.....
METALS.....

244-248
69.9

(Key # 56)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 27 , SITE NUMBER: 27.06.02, REPORT DATE: 02/12/91
REPORT TITLE: USSR&M SITE INVESTIGATION REPORT AND PROPOSED REMEDIAL PLAN.
SAMPLE #? BB11 SAMPLING DATE? 10/18/89 USGS #?
CONTAMINANTS

VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....
VPH = TPH, GASOLINE (8015-V).....
EPH = TPH, DIESEL (8100).....
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....
EPH = TPH, RESIDUALS (CRUDE OIL).....
HALOGENATED VOLATILE ORGANICS (8010).....
BENZENE.....
AROMATIC VOLATILE ORGANICS, BTEX (8020).....
TOTAL BTEX SUM.....
PCB'S.....
HERBICIDES.....
ARSENIC.....
MERCURY.....
LEAD.....
METALS.....

8
0.3

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 56)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 27 , SITE NUMBER: 27.06.02, REPORT DATE: 02/12/91
REPORT TITLE: USSR&M SITE INVESTIGATION REPORT AND PROPOSED REMEDIAL PLAN.
SAMPLE #? BB22 SAMPLING DATE? 10/18/89 USGS #?
CONTAMINANTS

VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....
VPH = TPH, GASOLINE (8015-V).....
EPH = TPH, DIESEL (8100).....
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....
EPH = TPH, RESIDUALS (CRUDE OIL).....
HALOGENATED VOLATILE ORGANICS (8010).....
BENZENE.....
AROMATIC VOLATILE ORGANICS, BTEX (8020).....
TOTAL BTEX SUM.....
PCB'S.....
HERBICIDES.....
ARSENIC.....
MERCURY.....
LEAD.....
METALS.....

2900
90.4

(Key # 56)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 27 , SITE NUMBER: 27.06.02, REPORT DATE: 02/12/91
REPORT TITLE: USSR&M SITE INVESTIGATION REPORT AND PROPOSED REMEDIAL PLAN.
SAMPLE #? BB66 SAMPLING DATE? 10/18/89 USGS #?
CONTAMINANTS

VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....
VPH = TPH, GASOLINE (8015-V).....
EPH = TPH, DIESEL (8100).....
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....
EPH = TPH, RESIDUALS (CRUDE OIL).....
HALOGENATED VOLATILE ORGANICS (8010).....
BENZENE.....
AROMATIC VOLATILE ORGANICS, BTEX (8020).....
TOTAL BTEX SUM.....
PCB'S.....
HERBICIDES.....
ARSENIC.....
MERCURY.....
LEAD.....
METALS.....

12
2.5

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Alaska Hydrologic Survey

(Key # 56)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 27 , SITE NUMBER: 27.06.02, REPORT DATE: 02/12/91
REPORT TITLE: USSR&M SITE INVESTIGATION REPORT AND PROPOSED REMEDIAL PLAN.
SAMPLE #? CC11 SAMPLING DATE? 10/18/89 USGS #?
CONTAMINANTS

	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	
TOTAL BTEX SUM.....	
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	440
MERCURY.....	8.9
LEAD.....	
METALS.....	

(Key # 56)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 27 , SITE NUMBER: 27.06.02, REPORT DATE: 02/12/91
REPORT TITLE: USSR&M SITE INVESTIGATION REPORT AND PROPOSED REMEDIAL PLAN.
SAMPLE #? CC-22 SAMPLING DATE? 10/18/89 USGS #? ARB50
CONTAMINANTS

	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	
TOTAL BTEX SUM.....	
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	232-520
MERCURY.....	<0.2-28.2
LEAD.....	
METALS.....	

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 56)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 27 , SITE NUMBER: 27.06.02, REPORT DATE: 02/12/91
REPORT TITLE: USSR&M SITE INVESTIGATION REPORT AND PROPOSED REMEDIAL PLAN.
SAMPLE #? CC-55 SAMPLING DATE? 10/18/89 USGS #? ARB51
CONTAMINANTS

VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....
VPH = TPH, GASOLINE (8015-V).....
EPH = TPH, DIESEL (8100).....
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....
EPH = TPH, RESIDUALS (CRUDE OIL).....
HALOGENATED VOLATILE ORGANICS (8010).....
BENZENE.....
AROMATIC VOLATILE ORGANICS, BTEX (8020).....
TOTAL BTEX SUM.....
PCB'S.....
HERBICIDES.....
ARSENIC.....
MERCURY.....
LEAD.....
METALS.....

13-115
3.8-35.2

(Key # 56)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 27 , SITE NUMBER: 27.06.02, REPORT DATE: 02/12/91
REPORT TITLE: USSR&M SITE INVESTIGATION REPORT AND PROPOSED REMEDIAL PLAN.
SAMPLE #? CC-66 SAMPLING DATE? 10/18/89 USGS #? ARB63
CONTAMINANTS

VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....
VPH = TPH, GASOLINE (8015-V).....
EPH = TPH, DIESEL (8100).....
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....
EPH = TPH, RESIDUALS (CRUDE OIL).....
HALOGENATED VOLATILE ORGANICS (8010).....
BENZENE.....
AROMATIC VOLATILE ORGANICS, BTEX (8020).....
TOTAL BTEX SUM.....
PCB'S.....
HERBICIDES.....
ARSENIC.....
MERCURY.....
LEAD.....
METALS.....

1000
14.7

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 56)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 27 , SITE NUMBER: 27.06.02, REPORT DATE: 02/12/91
REPORT TITLE: USSR&M SITE INVESTIGATION REPORT AND PROPOSED REMEDIAL PLAN.
SAMPLE #? DD-11 SAMPLING DATE? 10/19/89 USGS #? ARB53
CONTAMINANTS VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	
TOTAL BTEX SUM.....	
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	310
MERCURY.....	5.2
LEAD.....	
METALS.....	

(Key # 56)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 27 , SITE NUMBER: 27.06.02, REPORT DATE: 02/12/91
REPORT TITLE: USSR&M SITE INVESTIGATION REPORT AND PROPOSED REMEDIAL PLAN.
SAMPLE #? DD-22 SAMPLING DATE? 10/19/89 USGS #? ARB52
CONTAMINANTS VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	
TOTAL BTEX SUM.....	
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	290-1280
MERCURY.....	3.1-50.0
LEAD.....	
METALS.....	

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 56)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 27 , SITE NUMBER: 27.06.02, REPORT DATE: 02/12/91
REPORT TITLE: USSR&M SITE INVESTIGATION REPORT AND PROPOSED REMEDIAL PLAN.
SAMPLE #? DD-44 SAMPLING DATE? 10/19/89 USGS #? AR39
CONTAMINANTS VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	
TOTAL BTEX SUM.....	
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	4-26
MERCURY.....	
LEAD.....	
METALS.....	

(Key # 56)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 27 , SITE NUMBER: 27.06.02, REPORT DATE: 02/12/91
REPORT TITLE: USSR&M SITE INVESTIGATION REPORT AND PROPOSED REMEDIAL PLAN.
SAMPLE #? DD-55 SAMPLING DATE? 10/18/89 USGS #? ARB54
CONTAMINANTS VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	
TOTAL BTEX SUM.....	
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	9-171
MERCURY.....	<0.2-40.1
LEAD.....	
METALS.....	

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 56)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 27 , SITE NUMBER: 27.06.02, REPORT DATE: 02/12/91
REPORT TITLE: USSR&M SITE INVESTIGATION REPORT AND PROPOSED REMEDIAL PLAN.
SAMPLE #? DD-66 SAMPLING DATE? 10/18/89 USGS #? ARB55
CONTAMINANTS VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	
TOTAL BTEX SUM.....	
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	630
MERCURY.....	9.6
LEAD.....	
METALS.....	

(Key # 56)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 27 , SITE NUMBER: 27.06.02, REPORT DATE: 02/12/91
REPORT TITLE: USSR&M SITE INVESTIGATION REPORT AND PROPOSED REMEDIAL PLAN.
SAMPLE #? EE-22 SAMPLING DATE? 10/18/89 USGS #? ARB56
CONTAMINANTS VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	
TOTAL BTEX SUM.....	
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	440-1020
MERCURY.....	1.5-182
LEAD.....	
METALS.....	

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 56)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 27 , SITE NUMBER: 27.06.02, REPORT DATE: 02/12/91
REPORT TITLE: USSR&M SITE INVESTIGATION REPORT AND PROPOSED REMEDIAL PLAN.
SAMPLE #? EE-33 SAMPLING DATE? 10/18/89 USGS #? ARB57
CONTAMINANTS VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	
TOTAL BTEX SUM.....	
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	280-620
MERCURY.....	<0.2-78
LEAD.....	
METALS.....	

(Key # 56)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 27 , SITE NUMBER: 27.06.02, REPORT DATE: 02/12/91
REPORT TITLE: USSR&M SITE INVESTIGATION REPORT AND PROPOSED REMEDIAL PLAN.
SAMPLE #? EE-44 SAMPLING DATE? 10/18/89 USGS #? ARB58
CONTAMINANTS VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	
TOTAL BTEX SUM.....	
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	8-1380
MERCURY.....	<0.2-60.6
LEAD.....	
METALS.....	

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 56)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 27 , SITE NUMBER: 27.06.02, REPORT DATE: 02/12/91
REPORT TITLE: USSR&M SITE INVESTIGATION REPORT AND PROPOSED REMEDIAL PLAN.
SAMPLE #? EE-55 SAMPLING DATE? 10/18/89 USGS #? ARB59
CONTAMINANTS VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	
TOTAL BTEX SUM.....	
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	19-3150
MERCURY.....	0.4-67.4
LEAD.....	
METALS.....	

(Key # 56)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 27 , SITE NUMBER: 27.06.02, REPORT DATE: 02/12/91
REPORT TITLE: USSR&M SITE INVESTIGATION REPORT AND PROPOSED REMEDIAL PLAN.
SAMPLE #? EE-66 SAMPLING DATE? 10/18/89 USGS #?
CONTAMINANTS VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	
TOTAL BTEX SUM.....	
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	640
MERCURY.....	9.4
LEAD.....	
METALS.....	

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 56)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 27 , SITE NUMBER: 27.06.02, REPORT DATE: 02/12/91
REPORT TITLE: USSR&M SITE INVESTIGATION REPORT AND PROPOSED REMEDIAL PLAN.
SAMPLE #? FF-11 SAMPLING DATE? 10/18/89 USGS #? ARB60
CONTAMINANTS VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	
TOTAL BTEX SUM.....	
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	18000
MERCURY.....	63.1
LEAD.....	
METALS.....	

(Key # 56)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 27 , SITE NUMBER: 27.06.02, REPORT DATE: 02/12/91
REPORT TITLE: USSR&M SITE INVESTIGATION REPORT AND PROPOSED REMEDIAL PLAN.
SAMPLE #? FF-22 SAMPLING DATE? 10/18/89 USGS #?
CONTAMINANTS VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	
TOTAL BTEX SUM.....	
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	9600
MERCURY.....	11.9
LEAD.....	
METALS.....	

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 56)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 27 , SITE NUMBER: 27.06.02, REPORT DATE: 02/12/91
REPORT TITLE: USSR&M SITE INVESTIGATION REPORT AND PROPOSED REMEDIAL PLAN.
SAMPLE #? FF-33 SAMPLING DATE? 10/18/89 USGS #? ARB61
CONTAMINANTS VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	
TOTAL BTEX SUM.....	
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	36
MERCURY.....	1.5
LEAD.....	
METALS.....	

(Key # 56)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 27 , SITE NUMBER: 27.06.02, REPORT DATE: 02/12/91
REPORT TITLE: USSR&M SITE INVESTIGATION REPORT AND PROPOSED REMEDIAL PLAN.
SAMPLE #? FF-44 SAMPLING DATE? 10/18/89 USGS #?
CONTAMINANTS VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	
TOTAL BTEX SUM.....	
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	20
MERCURY.....	4.1
LEAD.....	
METALS.....	

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 56)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 27 , SITE NUMBER: 27.06.02, REPORT DATE: 02/12/91
REPORT TITLE: USSR&M SITE INVESTIGATION REPORT AND PROPOSED REMEDIAL PLAN.
SAMPLE #? FF-55 SAMPLING DATE? 10/18/89 USGS #? ARB62
CONTAMINANTS VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	
TOTAL BTEX SUM.....	
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	7100
MERCURY.....	10.3
LEAD.....	
METALS.....	

(Key # 56)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 27 , SITE NUMBER: 27.06.02, REPORT DATE: 02/12/91
REPORT TITLE: USSR&M SITE INVESTIGATION REPORT AND PROPOSED REMEDIAL PLAN.
SAMPLE #? FF-66 SAMPLING DATE? 10/18/89 USGS #?
CONTAMINANTS VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	
TOTAL BTEX SUM.....	
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	9400
MERCURY.....	2.4
LEAD.....	
METALS.....	

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 56)

CHEMISTRY DATA - SURFACE SOIL

REPORT NUMBER: 27 , SITE NUMBER: 27.06.02, REPORT DATE: 02/12/91
REPORT TITLE: USSR&M SITE INVESTIGATION REPORT AND PROPOSED REMEDIAL PLAN.
SAMPLE #? X1 SAMPLING DATE? 06/27/90 USGS #?
CONTAMINANTS

VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	
TOTAL BTEX SUM.....	
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	973
MERCURY.....	13.4
LEAD.....	
METALS.....	

(Key # 56)

CHEMISTRY DATA - SURFACE SOIL

REPORT NUMBER: 27 , SITE NUMBER: 27.06.02, REPORT DATE: 02/12/91
REPORT TITLE: USSR&M SITE INVESTIGATION REPORT AND PROPOSED REMEDIAL PLAN.
SAMPLE #? X2 SAMPLING DATE? 06/27/90 USGS #?
CONTAMINANTS

VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	
TOTAL BTEX SUM.....	
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	2900
MERCURY.....	16.7
LEAD.....	
METALS.....	

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 56)

CHEMISTRY DATA - SURFACE SOIL

REPORT NUMBER: 27 , SITE NUMBER: 27.06.02, REPORT DATE: 02/12/91
REPORT TITLE: USSR&M SITE INVESTIGATION REPORT AND PROPOSED REMEDIAL PLAN.
SAMPLE #? X3 SAMPLING DATE? 06/27/90 USGS #?
CONTAMINANTS

CONTAMINANTS	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	
TOTAL BTEX SUM.....	
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	454
MERCURY.....	5.5
LEAD.....	
METALS.....	

(Key # 56)

CHEMISTRY DATA - SURFACE SOIL

REPORT NUMBER: 27 , SITE NUMBER: 27.06.02, REPORT DATE: 02/12/91
REPORT TITLE: USSR&M SITE INVESTIGATION REPORT AND PROPOSED REMEDIAL PLAN.
SAMPLE #? X4 SAMPLING DATE? 06/27/90 USGS #?
CONTAMINANTS

CONTAMINANTS	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	
TOTAL BTEX SUM.....	
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	2550
MERCURY.....	28.2
LEAD.....	
METALS.....	

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 56)

CHEMISTRY DATA - SURFACE SOIL

REPORT NUMBER: 27 , SITE NUMBER: 27.06.02, REPORT DATE: 02/12/91
REPORT TITLE: USSR&M SITE INVESTIGATION REPORT AND PROPOSED REMEDIAL PLAN.
SAMPLE #? X5 SAMPLING DATE? 06/27/90 USGS #?
CONTAMINANTS

VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....
VPH = TPH, GASOLINE (8015-V).....
EPH = TPH, DIESEL (8100).....
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....
EPH = TPH, RESIDUALS (CRUDE OIL).....
HALOGENATED VOLATILE ORGANICS (8010).....
BENZENE.....
AROMATIC VOLATILE ORGANICS, BTEX (8020).....
TOTAL BTEX SUM.....
PCB'S.....
HERBICIDES.....
ARSENIC.....
MERCURY.....
LEAD.....
METALS.....

19-210
1.9-2.6

(Key # 56)

CHEMISTRY DATA - SURFACE SOIL

REPORT NUMBER: 27 , SITE NUMBER: 27.06.02, REPORT DATE: 02/12/91
REPORT TITLE: USSR&M SITE INVESTIGATION REPORT AND PROPOSED REMEDIAL PLAN.
SAMPLE #? X6 SAMPLING DATE? 06/27/90 USGS #?
CONTAMINANTS

VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....
VPH = TPH, GASOLINE (8015-V).....
EPH = TPH, DIESEL (8100).....
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....
EPH = TPH, RESIDUALS (CRUDE OIL).....
HALOGENATED VOLATILE ORGANICS (8010).....
BENZENE.....
AROMATIC VOLATILE ORGANICS, BTEX (8020).....
TOTAL BTEX SUM.....
PCB'S.....
HERBICIDES.....
ARSENIC.....
MERCURY.....
LEAD.....
METALS.....

680
6.5

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 56)

CHEMISTRY DATA - SURFACE SOIL

REPORT NUMBER: 27 , SITE NUMBER: 27.06.02, REPORT DATE: 02/12/91
REPORT TITLE: USSR&M SITE INVESTIGATION REPORT AND PROPOSED REMEDIAL PLAN.
SAMPLE #? X7 SAMPLING DATE? 06/27/90 USGS #?
CONTAMINANTS

	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	
TOTAL BTEX SUM.....	
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	240
MERCURY.....	1.7
LEAD.....	
METALS.....	

(Key # 56)

CHEMISTRY DATA - SURFACE SOIL

REPORT NUMBER: 27 , SITE NUMBER: 27.06.02, REPORT DATE: 02/12/91
REPORT TITLE: USSR&M SITE INVESTIGATION REPORT AND PROPOSED REMEDIAL PLAN.
SAMPLE #? X8 SAMPLING DATE? 06/27/90 USGS #?
CONTAMINANTS

	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	
TOTAL BTEX SUM.....	
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	90
MERCURY.....	0.5
LEAD.....	
METALS.....	

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 56)

CHEMISTRY DATA - SURFACE SOIL

REPORT NUMBER: 27 , SITE NUMBER: 27.06.02, REPORT DATE: 02/12/91
REPORT TITLE: USSR&M SITE INVESTIGATION REPORT AND PROPOSED REMEDIAL PLAN.
SAMPLE #? X9 SAMPLING DATE? 06/27/90 USGS #?
CONTAMINANTS

VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	
TOTAL BTEX SUM.....	
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	170
MERCURY.....	1.4
LEAD.....	
METALS.....	

(Key # 56)

CHEMISTRY DATA - SURFACE SOIL

REPORT NUMBER: 27 , SITE NUMBER: 27.06.02, REPORT DATE: 02/12/91
REPORT TITLE: USSR&M SITE INVESTIGATION REPORT AND PROPOSED REMEDIAL PLAN.
SAMPLE #? X10 SAMPLING DATE? 06/27/90 USGS #?
CONTAMINANTS

VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	
TOTAL BTEX SUM.....	
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	120
MERCURY.....	0.5
LEAD.....	
METALS.....	

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 56)

CHEMISTRY DATA - SURFACE SOIL

REPORT NUMBER: 27 , SITE NUMBER: 27.06.02, REPORT DATE: 02/12/91
REPORT TITLE: USSR&M SITE INVESTIGATION REPORT AND PROPOSED REMEDIAL PLAN.
SAMPLE #? BB77 SAMPLING DATE? 06/27/90 USGS #?

CONTAMINANTS	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	
TOTAL BTEX SUM.....	
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	90
MERCURY.....	7.7
LEAD.....	
METALS.....	

(Key # 56)

CHEMISTRY DATA - SURFACE SOIL

REPORT NUMBER: 27 , SITE NUMBER: 27.06.02, REPORT DATE: 02/12/91
REPORT TITLE: USSR&M SITE INVESTIGATION REPORT AND PROPOSED REMEDIAL PLAN.
SAMPLE #? BB88 SAMPLING DATE? 06/27/90 USGS #?

CONTAMINANTS	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	
TOTAL BTEX SUM.....	
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	78
MERCURY.....	3.4
LEAD.....	
METALS.....	

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 56)

CHEMISTRY DATA - SURFACE SOIL

REPORT NUMBER: 27 , SITE NUMBER: 27.06.02, REPORT DATE: 02/12/91
REPORT TITLE: USSR&M SITE INVESTIGATION REPORT AND PROPOSED REMEDIAL PLAN.
SAMPLE #? CC77 SAMPLING DATE? 06/27/90 USGS #?
CONTAMINANTS

VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....
VPH = TPH, GASOLINE (8015-V).....
EPH = TPH, DIESEL (8100).....
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....
EPH = TPH, RESIDUALS (CRUDE OIL).....
HALOGENATED VOLATILE ORGANICS (8010).....
BENZENE.....
AROMATIC VOLATILE ORGANICS, BTEX (8020).....
TOTAL BTEX SUM.....
PCB'S.....
HERBICIDES.....
ARSENIC.....
MERCURY.....
LEAD.....
METALS.....

89-103
5.4-5.7

(Key # 56)

CHEMISTRY DATA - SURFACE SOIL

REPORT NUMBER: 27 , SITE NUMBER: 27.06.02, REPORT DATE: 02/12/91
REPORT TITLE: USSR&M SITE INVESTIGATION REPORT AND PROPOSED REMEDIAL PLAN.
SAMPLE #? DD05 SAMPLING DATE? 06/27/90 USGS #?
CONTAMINANTS

VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....
VPH = TPH, GASOLINE (8015-V).....
EPH = TPH, DIESEL (8100).....
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....
EPH = TPH, RESIDUALS (CRUDE OIL).....
HALOGENATED VOLATILE ORGANICS (8010).....
BENZENE.....
AROMATIC VOLATILE ORGANICS, BTEX (8020).....
TOTAL BTEX SUM.....
PCB'S.....
HERBICIDES.....
ARSENIC.....
MERCURY.....
LEAD.....
METALS.....

21
1.1

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Alaska Hydrologic Survey

(Key # 56)

CHEMISTRY DATA - SURFACE SOIL

REPORT NUMBER: 27 , SITE NUMBER: 27.06.02, REPORT DATE: 02/12/91
REPORT TITLE: USSR&M SITE INVESTIGATION REPORT AND PROPOSED REMEDIAL PLAN.
SAMPLE #? DD77 SAMPLING DATE? 06/27/90 USGS #?
CONTAMINANTS

CONTAMINANTS	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	
TOTAL BTEX SUM.....	
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	114
MERCURY.....	6.7
LEAD.....	
METALS.....	

(Key # 56)

CHEMISTRY DATA - SURFACE SOIL

REPORT NUMBER: 27 , SITE NUMBER: 27.06.02, REPORT DATE: 02/12/91
REPORT TITLE: USSR&M SITE INVESTIGATION REPORT AND PROPOSED REMEDIAL PLAN.
SAMPLE #? EE77 SAMPLING DATE? 06/27/90 USGS #?
CONTAMINANTS

CONTAMINANTS	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	
TOTAL BTEX SUM.....	
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	156
MERCURY.....	5.8
LEAD.....	
METALS.....	

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 56)

CHEMISTRY DATA - SURFACE SOIL

REPORT NUMBER: 27 , SITE NUMBER: 27.06.02, REPORT DATE: 02/12/91
REPORT TITLE: USSR&M SITE INVESTIGATION REPORT AND PROPOSED REMEDIAL PLAN.
SAMPLE #? FF77 SAMPLING DATE? 06/27/90 USGS #?
CONTAMINANTS

CONTAMINANTS	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	
TOTAL BTEX SUM.....	
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	147
MERCURY.....	6.3
LEAD.....	
METALS.....	

(Key # 56)

CHEMISTRY DATA - SURFACE SOIL

REPORT NUMBER: 27 , SITE NUMBER: 27.06.02, REPORT DATE: 02/12/91
REPORT TITLE: USSR&M SITE INVESTIGATION REPORT AND PROPOSED REMEDIAL PLAN.
SAMPLE #? GG77 SAMPLING DATE? 06/27/90 USGS #?
CONTAMINANTS

CONTAMINANTS	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	
TOTAL BTEX SUM.....	
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	428
MERCURY.....	3.8
LEAD.....	
METALS.....	

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 56)

CHEMISTRY DATA - SURFACE SOIL

REPORT NUMBER: 27 , SITE NUMBER: 27.06.02, REPORT DATE: 02/12/91
REPORT TITLE: USSR&M SITE INVESTIGATION REPORT AND PROPOSED REMEDIAL PLAN.
SAMPLE #? HH00 SAMPLING DATE? 06/27/90 USGS #?
CONTAMINANTS

VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....
VPH = TPH, GASOLINE (8015-V).....
EPH = TPH, DIESEL (8100).....
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....
EPH = TPH, RESIDUALS (CRUDE OIL).....
HALOGENATED VOLATILE ORGANICS (8010).....
BENZENE.....
AROMATIC VOLATILE ORGANICS, BTEX (8020).....
TOTAL BTEX SUM.....
PCB'S.....
HERBICIDES.....
ARSENIC.....
MERCURY.....
LEAD.....
METALS.....

34-73
1.0-1.3

(Key # 56)

CHEMISTRY DATA - SURFACE SOIL

REPORT NUMBER: 27 , SITE NUMBER: 27.06.02, REPORT DATE: 02/12/91
REPORT TITLE: USSR&M SITE INVESTIGATION REPORT AND PROPOSED REMEDIAL PLAN.
SAMPLE #? HH03 SAMPLING DATE? 06/27/90 USGS #?
CONTAMINANTS

VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....
VPH = TPH, GASOLINE (8015-V).....
EPH = TPH, DIESEL (8100).....
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....
EPH = TPH, RESIDUALS (CRUDE OIL).....
HALOGENATED VOLATILE ORGANICS (8010).....
BENZENE.....
AROMATIC VOLATILE ORGANICS, BTEX (8020).....
TOTAL BTEX SUM.....
PCB'S.....
HERBICIDES.....
ARSENIC.....
MERCURY.....
LEAD.....
METALS.....

34
1.2

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 56)

CHEMISTRY DATA - SURFACE SOIL

REPORT NUMBER: 27 , SITE NUMBER: 27.06.02, REPORT DATE: 02/12/91
REPORT TITLE: USSR&M SITE INVESTIGATION REPORT AND PROPOSED REMEDIAL PLAN.
SAMPLE #? HH77 SAMPLING DATE? 06/27/90 USGS #?
CONTAMINANTS

	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	
TOTAL BTEX SUM.....	
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	51
MERCURY.....	1.3
LEAD.....	
METALS.....	

(Key # 56)

CHEMISTRY DATA - SURFACE SOIL

REPORT NUMBER: 27 , SITE NUMBER: 27.06.02, REPORT DATE: 02/12/91
REPORT TITLE: USSR&M SITE INVESTIGATION REPORT AND PROPOSED REMEDIAL PLAN.
SAMPLE #? HH88 SAMPLING DATE? 06/27/90 USGS #?
CONTAMINANTS

	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	
TOTAL BTEX SUM.....	
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	232
MERCURY.....	5.1
LEAD.....	
METALS.....	

Alaska DNR, Div. of Mining & Water Management
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(Key # 56)

CHEMISTRY DATA - SURFACE SOIL

REPORT NUMBER: 27 , SITE NUMBER: 27.06.02, REPORT DATE: 02/12/91
REPORT TITLE: USSR&M SITE INVESTIGATION REPORT AND PROPOSED REMEDIAL PLAN.
SAMPLE #? HH99 SAMPLING DATE? 06/27/90 USGS #?
CONTAMINANTS

CONTAMINANTS	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1)	
VPH = TPH, GASOLINE (8015-V)	
EPH = TPH, DIESEL (8100)	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E)	
EPH = TPH, RESIDUALS (CRUDE OIL)	
HALOGENATED VOLATILE ORGANICS (8010)	
BENZENE	
AROMATIC VOLATILE ORGANICS, BTEX (8020)	
TOTAL BTEX SUM	
PCB'S	
HERBICIDES	
ARSENIC	44
MERCURY	1.7
LEAD	
METALS	

(Key # 56)

CHEMISTRY DATA - SURFACE SOIL

REPORT NUMBER: 27 , SITE NUMBER: 27.06.02, REPORT DATE: 02/12/91
REPORT TITLE: USSR&M SITE INVESTIGATION REPORT AND PROPOSED REMEDIAL PLAN.
SAMPLE #? II01 SAMPLING DATE? 06/27/90 USGS #?
CONTAMINANTS

CONTAMINANTS	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1)	
VPH = TPH, GASOLINE (8015-V)	
EPH = TPH, DIESEL (8100)	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E)	
EPH = TPH, RESIDUALS (CRUDE OIL)	
HALOGENATED VOLATILE ORGANICS (8010)	
BENZENE	
AROMATIC VOLATILE ORGANICS, BTEX (8020)	
TOTAL BTEX SUM	
PCB'S	
HERBICIDES	
ARSENIC	26
MERCURY	0.7
LEAD	
METALS	

Alaska DNR, Div. of Mining & Water Management
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(Key # 56)

CHEMISTRY DATA - SURFACE SOIL

REPORT NUMBER: 27 , SITE NUMBER: 27.06.02, REPORT DATE: 02/12/91
REPORT TITLE: USSR&M SITE INVESTIGATION REPORT AND PROPOSED REMEDIAL PLAN.
SAMPLE #? II99 SAMPLING DATE? 06/27/90 USGS #?
CONTAMINANTS

	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	
TOTAL BTEX SUM.....	
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	163
MERCURY.....	4.0
LEAD.....	
METALS.....	

(Key # 56)

CHEMISTRY DATA - SURFACE SOIL

REPORT NUMBER: 27 , SITE NUMBER: 27.06.02, REPORT DATE: 02/12/91
REPORT TITLE: USSR&M SITE INVESTIGATION REPORT AND PROPOSED REMEDIAL PLAN.
SAMPLE #? R02 SAMPLING DATE? 06/27/90 USGS #?
CONTAMINANTS

	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	
TOTAL BTEX SUM.....	
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	12
MERCURY.....	0.3
LEAD.....	
METALS.....	

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 56)

CHEMISTRY DATA - SURFACE SOIL

REPORT NUMBER: 27 , SITE NUMBER: 27.06.02, REPORT DATE: 02/12/91
REPORT TITLE: USSR&M SITE INVESTIGATION REPORT AND PROPOSED REMEDIAL PLAN.
SAMPLE #? R04 SAMPLING DATE? 06/27/90 USGS #?
CONTAMINANTS

CONTAMINANTS	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	
TOTAL BTEX SUM.....	
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	12
MERCURY.....	0.5
LEAD.....	
METALS.....	

(Key # 56)

CHEMISTRY DATA - SURFACE SOIL

REPORT NUMBER: 27 , SITE NUMBER: 27.06.02, REPORT DATE: 02/12/91
REPORT TITLE: USSR&M SITE INVESTIGATION REPORT AND PROPOSED REMEDIAL PLAN.
SAMPLE #? S01 SAMPLING DATE? 06/27/90 USGS #?
CONTAMINANTS

CONTAMINANTS	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	
TOTAL BTEX SUM.....	
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	13
MERCURY.....	0.5
LEAD.....	
METALS.....	

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 56)

CHEMISTRY DATA - SURFACE SOIL

REPORT NUMBER: 27 , SITE NUMBER: 27.06.02, REPORT DATE: 02/12/91
REPORT TITLE: USSR&M SITE INVESTIGATION REPORT AND PROPOSED REMEDIAL PLAN.
SAMPLE #? T00 SAMPLING DATE? 06/27/90 USGS #?
CONTAMINANTS

VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....
VPH = TPH, GASOLINE (8015-V).....
EPH = TPH, DIESEL (8100).....
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....
EPH = TPH, RESIDUALS (CRUDE OIL).....
HALOGENATED VOLATILE ORGANICS (8010).....
BENZENE.....
AROMATIC VOLATILE ORGANICS, BTEX (8020).....
TOTAL BTEX SUM.....
PCB'S.....
HERBICIDES.....
ARSENIC.....
MERCURY.....
LEAD.....
METALS.....

12-16
0.8-1.0

(Key # 56)

CHEMISTRY DATA - SURFACE SOIL

REPORT NUMBER: 27 , SITE NUMBER: 27.06.02, REPORT DATE: 02/12/91
REPORT TITLE: USSR&M SITE INVESTIGATION REPORT AND PROPOSED REMEDIAL PLAN.
SAMPLE #? U02 SAMPLING DATE? 06/27/90 USGS #?
CONTAMINANTS

VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....
VPH = TPH, GASOLINE (8015-V).....
EPH = TPH, DIESEL (8100).....
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....
EPH = TPH, RESIDUALS (CRUDE OIL).....
HALOGENATED VOLATILE ORGANICS (8010).....
BENZENE.....
AROMATIC VOLATILE ORGANICS, BTEX (8020).....
TOTAL BTEX SUM.....
PCB'S.....
HERBICIDES.....
ARSENIC.....
MERCURY.....
LEAD.....
METALS.....

17
0.9

Alaska DNR, Div. of Mining & Water Management
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(Key # 56)

CHEMISTRY DATA - SURFACE SOIL

REPORT NUMBER: 27 , SITE NUMBER: 27.06.02, REPORT DATE: 02/12/91
REPORT TITLE: USSR&M SITE INVESTIGATION REPORT AND PROPOSED REMEDIAL PLAN.
SAMPLE #? V01 SAMPLING DATE? 06/27/90 USGS #?
CONTAMINANTS

CONTAMINANTS	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	
TOTAL BTEX SUM.....	
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	26
MERCURY.....	1.5
LEAD.....	
METALS.....	

(Key # 56)

CHEMISTRY DATA - SURFACE SOIL

REPORT NUMBER: 27 , SITE NUMBER: 27.06.02, REPORT DATE: 02/12/91
REPORT TITLE: USSR&M SITE INVESTIGATION REPORT AND PROPOSED REMEDIAL PLAN.
SAMPLE #? W00 SAMPLING DATE? 06/27/90 USGS #?
CONTAMINANTS

CONTAMINANTS	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	
TOTAL BTEX SUM.....	
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	24
MERCURY.....	0.5
LEAD.....	
METALS.....	

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CHEMISTRY DATA - SURFACE SOIL

REPORT NUMBER: 27 , SITE NUMBER: 27.06.02, REPORT DATE: 02/12/91
REPORT TITLE: USSR&M SITE INVESTIGATION REPORT AND PROPOSED REMEDIAL PLAN.
SAMPLE #? Y03 SAMPLING DATE? 06/27/90 USGS #?
CONTAMINANTS

	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	
TOTAL BTEX SUM.....	
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	16
MERCURY.....	0.3
LEAD.....	
METALS.....	

(Key # 56)

CHEMISTRY DATA - SURFACE SOIL

REPORT NUMBER: 27 , SITE NUMBER: 27.06.02, REPORT DATE: 02/12/91
REPORT TITLE: USSR&M SITE INVESTIGATION REPORT AND PROPOSED REMEDIAL PLAN.
SAMPLE #? Z99 SAMPLING DATE? 06/27/90 USGS #?
CONTAMINANTS

	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	
TOTAL BTEX SUM.....	
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	78
MERCURY.....	3.4
LEAD.....	
METALS.....	

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(Key # 56)

CHEMISTRY DATA - SURFACE SOIL

REPORT NUMBER: 27 , SITE NUMBER: 27.06.02, REPORT DATE: 02/12/91
REPORT TITLE: USSR&M SITE INVESTIGATION REPORT AND PROPOSED REMEDIAL PLAN.
SAMPLE #? AG1A SAMPLING DATE? 04/27/89 USGS #?

CONTAMINANTS	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	
TOTAL BTEX SUM.....	
PCB'S.....	0.26
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

(Key # 56)

CHEMISTRY DATA - SURFACE SOIL

REPORT NUMBER: 27 , SITE NUMBER: 27.06.02, REPORT DATE: 02/12/91
REPORT TITLE: USSR&M SITE INVESTIGATION REPORT AND PROPOSED REMEDIAL PLAN.
SAMPLE #? AG1B SAMPLING DATE? 04/27/89 USGS #?

CONTAMINANTS	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	
TOTAL BTEX SUM.....	
PCB'S.....	0.47
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

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(Key # 56)

CHEMISTRY DATA - SURFACE SOIL

REPORT NUMBER: 27 , SITE NUMBER: 27.06.02, REPORT DATE: 02/12/91
REPORT TITLE: USSR&M SITE INVESTIGATION REPORT AND PROPOSED REMEDIAL PLAN.
SAMPLE #? AGR1C SAMPLING DATE? 04/27/89 USGS #?
CONTAMINANTS

VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	
TOTAL BTEX SUM.....	
PCB'S.....	0.08
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

(Key # 56)

CHEMISTRY DATA - SURFACE SOIL

REPORT NUMBER: 27 , SITE NUMBER: 27.06.02, REPORT DATE: 02/12/91
REPORT TITLE: USSR&M SITE INVESTIGATION REPORT AND PROPOSED REMEDIAL PLAN.
SAMPLE #? AKWH1D SAMPLING DATE? 04/26/89 USGS #?
CONTAMINANTS

VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	
TOTAL BTEX SUM.....	
PCB'S.....	0.57
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

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(Key # 56)

CHEMISTRY DATA - SURFACE SOIL

REPORT NUMBER: 27 , SITE NUMBER: 27.06.02, REPORT DATE: 02/12/91
REPORT TITLE: USSR&M SITE INVESTIGATION REPORT AND PROPOSED REMEDIAL PLAN.
SAMPLE #? AG2A SAMPLING DATE? 04/27/89 USGS #?
CONTAMINANTS

	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	
TOTAL BTEX SUM.....	
PCB'S.....	0.05
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

(Key # 56)

CHEMISTRY DATA - SURFACE SOIL

REPORT NUMBER: 27 , SITE NUMBER: 27.06.02, REPORT DATE: 02/12/91
REPORT TITLE: USSR&M SITE INVESTIGATION REPORT AND PROPOSED REMEDIAL PLAN.
SAMPLE #? AG2B SAMPLING DATE? 04/27/89 USGS #?
CONTAMINANTS

	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	
TOTAL BTEX SUM.....	
PCB'S.....	<0.05
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

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(Key # 56)

CHEMISTRY DATA - SURFACE SOIL

REPORT NUMBER: 27 , SITE NUMBER: 27.06.02, REPORT DATE: 02/12/91
REPORT TITLE: USSR&M SITE INVESTIGATION REPORT AND PROPOSED REMEDIAL PLAN.
SAMPLE #? AG2C SAMPLING DATE? 04/27/89 USGS #?
CONTAMINANTS

VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	
TOTAL BTEX SUM.....	
PCB'S.....	0.11
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

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CHEMISTRY DATA - SURFACE SOIL

REPORT NUMBER: 27 , SITE NUMBER: 27.06.02, REPORT DATE: 02/12/91
REPORT TITLE: USSR&M SITE INVESTIGATION REPORT AND PROPOSED REMEDIAL PLAN.
SAMPLE #? AG2CX SAMPLING DATE? 04/27/89 USGS #?
CONTAMINANTS

VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	
TOTAL BTEX SUM.....	
PCB'S.....	0.12
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

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CHEMISTRY DATA - SURFACE SOIL

REPORT NUMBER: 27 , SITE NUMBER: 27.06.02, REPORT DATE: 02/12/91
REPORT TITLE: USSR&M SITE INVESTIGATION REPORT AND PROPOSED REMEDIAL PLAN.
SAMPLE #? AG2D SAMPLING DATE? 04/27/89 USGS #?
CONTAMINANTS

CONTAMINANTS	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	
TOTAL BTEX SUM.....	
PCB'S.....	<0.2
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

(Key # 56)

CHEMISTRY DATA - SURFACE SOIL

REPORT NUMBER: 27 , SITE NUMBER: 27.06.02, REPORT DATE: 02/12/91
REPORT TITLE: USSR&M SITE INVESTIGATION REPORT AND PROPOSED REMEDIAL PLAN.
SAMPLE #? AK2E SAMPLING DATE? 04/26/89 USGS #?
CONTAMINANTS

CONTAMINANTS	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	
TOTAL BTEX SUM.....	
PCB'S.....	<0.05
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

Alaska DNR, Div. of Mining & Water Management
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(Key # 56)

CHEMISTRY DATA - SURFACE SOIL

REPORT NUMBER: 27 , SITE NUMBER: 27.06.02, REPORT DATE: 02/12/91
REPORT TITLE: USSR&M SITE INVESTIGATION REPORT AND PROPOSED REMEDIAL PLAN.
SAMPLE #? AKWH2B SAMPLING DATE? 04/26/89 USGS #?
CONTAMINANTS

	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	
TOTAL BTEX SUM.....	
PCB'S.....	<0.05
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

(Key # 56)

CHEMISTRY DATA - SURFACE SOIL

REPORT NUMBER: 27 , SITE NUMBER: 27.06.02, REPORT DATE: 02/12/91
REPORT TITLE: USSR&M SITE INVESTIGATION REPORT AND PROPOSED REMEDIAL PLAN.
SAMPLE #? AG3B SAMPLING DATE? 04/27/89 USGS #?
CONTAMINANTS

	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	
TOTAL BTEX SUM.....	
PCB'S.....	0.09
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

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CHEMISTRY DATA - SURFACE SOIL

REPORT NUMBER: 27 , SITE NUMBER: 27.06.02, REPORT DATE: 02/12/91
REPORT TITLE: USSR&M SITE INVESTIGATION REPORT AND PROPOSED REMEDIAL PLAN.
SAMPLE #? AG3C SAMPLING DATE? 04/27/89 USGS #?
CONTAMINANTS

VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1)	
VPH = TPH, GASOLINE (8015-V)	
EPH = TPH, DIESEL (8100)	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E)	
EPH = TPH, RESIDUALS (CRUDE OIL)	
HALOGENATED VOLATILE ORGANICS (8010)	
BENZENE	
AROMATIC VOLATILE ORGANICS, BTEX (8020)	
TOTAL BTEX SUM	
PCB'S	0.05
HERBICIDES	
ARSENIC	
MERCURY	
LEAD	
METALS	

(Key # 56)

CHEMISTRY DATA - SURFACE SOIL

REPORT NUMBER: 27 , SITE NUMBER: 27.06.02, REPORT DATE: 02/12/91
REPORT TITLE: USSR&M SITE INVESTIGATION REPORT AND PROPOSED REMEDIAL PLAN.
SAMPLE #? AG3D SAMPLING DATE? 04/26/89 USGS #?
CONTAMINANTS

VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1)	
VPH = TPH, GASOLINE (8015-V)	
EPH = TPH, DIESEL (8100)	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E)	
EPH = TPH, RESIDUALS (CRUDE OIL)	
HALOGENATED VOLATILE ORGANICS (8010)	
BENZENE	
AROMATIC VOLATILE ORGANICS, BTEX (8020)	
TOTAL BTEX SUM	
PCB'S	0.13
HERBICIDES	
ARSENIC	
MERCURY	
LEAD	
METALS	

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CHEMISTRY DATA - SURFACE SOIL

REPORT NUMBER: 27 , SITE NUMBER: 27.06.02, REPORT DATE: 02/12/91
REPORT TITLE: USSR&M SITE INVESTIGATION REPORT AND PROPOSED REMEDIAL PLAN.
SAMPLE #? AK3E SAMPLING DATE? 04/26/89 USGS #?
CONTAMINANTS

VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....
VPH = TPH, GASOLINE (8015-V).....
EPH = TPH, DIESEL (8100).....
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....
EPH = TPH, RESIDUALS (CRUDE OIL).....
HALOGENATED VOLATILE ORGANICS (8010).....
BENZENE.....
AROMATIC VOLATILE ORGANICS, BTEX (8020).....
TOTAL BTEX SUM.....
PCB'S.....
HERBICIDES.....
ARSENIC.....
MERCURY.....
LEAD.....
METALS.....

<0.05

(Key # 56)

CHEMISTRY DATA - SURFACE SOIL

REPORT NUMBER: 27 , SITE NUMBER: 27.06.02, REPORT DATE: 02/12/91
REPORT TITLE: USSR&M SITE INVESTIGATION REPORT AND PROPOSED REMEDIAL PLAN.
SAMPLE #? AGR3B SAMPLING DATE? 04/27/89 USGS #?
CONTAMINANTS

VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....
VPH = TPH, GASOLINE (8015-V).....
EPH = TPH, DIESEL (8100).....
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....
EPH = TPH, RESIDUALS (CRUDE OIL).....
HALOGENATED VOLATILE ORGANICS (8010).....
BENZENE.....
AROMATIC VOLATILE ORGANICS, BTEX (8020).....
TOTAL BTEX SUM.....
PCB'S.....
HERBICIDES.....
ARSENIC.....
MERCURY.....
LEAD.....
METALS.....

0.38

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CHEMISTRY DATA - SURFACE SOIL

REPORT NUMBER: 27 , SITE NUMBER: 27.06.02, REPORT DATE: 02/12/91
REPORT TITLE: USSR&M SITE INVESTIGATION REPORT AND PROPOSED REMEDIAL PLAN.
SAMPLE #? AGR3D SAMPLING DATE? 04/27/89 USGS #?
CONTAMINANTS

	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	
TOTAL BTEX SUM.....	
PCB'S.....	2.40
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

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CHEMISTRY DATA - SURFACE SOIL

REPORT NUMBER: 27 , SITE NUMBER: 27.06.02, REPORT DATE: 02/12/91
REPORT TITLE: USSR&M SITE INVESTIGATION REPORT AND PROPOSED REMEDIAL PLAN.
SAMPLE #? AG4C SAMPLING DATE? 04/27/89 USGS #?
CONTAMINANTS

	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	
TOTAL BTEX SUM.....	
PCB'S.....	<0.05
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

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CHEMISTRY DATA - SURFACE SOIL

REPORT NUMBER: 27 , SITE NUMBER: 27.06.02, REPORT DATE: 02/12/91
REPORT TITLE: USSR&M SITE INVESTIGATION REPORT AND PROPOSED REMEDIAL PLAN.
SAMPLE #? AG4D SAMPLING DATE? 04/27/89 USGS #?
CONTAMINANTS

	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	
TOTAL BTEX SUM.....	
PCB'S.....	<0.05
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

(Key # 56)

CHEMISTRY DATA - SURFACE SOIL

REPORT NUMBER: 27 , SITE NUMBER: 27.06.02, REPORT DATE: 02/12/91
REPORT TITLE: USSR&M SITE INVESTIGATION REPORT AND PROPOSED REMEDIAL PLAN.
SAMPLE #? AG4E SAMPLING DATE? 04/26/89 USGS #?
CONTAMINANTS

	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	
TOTAL BTEX SUM.....	
PCB'S.....	<0.05
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

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CHEMISTRY DATA - SURFACE SOIL

REPORT NUMBER: 27 , SITE NUMBER: 27.06.02, REPORT DATE: 02/12/91
REPORT TITLE: USSR&M SITE INVESTIGATION REPORT AND PROPOSED REMEDIAL PLAN.
SAMPLE #? AGR5B SAMPLING DATE? 04/27/89 USGS #?
CONTAMINANTS

VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	
TOTAL BTEX SUM.....	
PCB'S.....	0.14
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

(Key # 56)

CHEMISTRY DATA - SURFACE SOIL

REPORT NUMBER: 27 , SITE NUMBER: 27.06.02, REPORT DATE: 02/12/91
REPORT TITLE: USSR&M SITE INVESTIGATION REPORT AND PROPOSED REMEDIAL PLAN.
SAMPLE #? AGR5C SAMPLING DATE? 04/27/89 USGS #?
CONTAMINANTS

VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	
TOTAL BTEX SUM.....	
PCB'S.....	0.40
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 56)

CHEMISTRY DATA - SURFACE SOIL

REPORT NUMBER: 27 , SITE NUMBER: 27.06.02, REPORT DATE: 02/12/91
REPORT TITLE: USSR&M SITE INVESTIGATION REPORT AND PROPOSED REMEDIAL PLAN.
SAMPLE #? AGR5D SAMPLING DATE? 04/27/89 USGS #?
CONTAMINANTS

CONTAMINANTS	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	
TOTAL BTEX SUM.....	
PCB'S.....	0.61
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

(Key # 56)

CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 27 , SITE NUMBER: 27.06.02, REPORT DATE: 02/12/91
REPORT TITLE: USSR&M SITE INVESTIGATION REPORT AND PROPOSED REMEDIAL PLAN.
SAMPLE #? PR-1 SAMPLING DATE? 04/27/89 USGS #? AR40
CONTAMINANTS

CONTAMINANTS	VALUES -PPB
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	<100
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
PURGEABLE HALOCARBONS (601).....	12.5
BENZENE.....	<1
PURGEABLE AROMATICS, BTEX (602).....	<1
TOTAL BTEX SUM.....	<1
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 56)

CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 27 , SITE NUMBER: 27.06.02, REPORT DATE: 02/12/91
REPORT TITLE: USSR&M SITE INVESTIGATION REPORT AND PROPOSED REMEDIAL PLAN.
SAMPLE #? PR-2 SAMPLING DATE? 04/27/89 USGS #? AR41
CONTAMINANTS VALUES -PPB

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	<100
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
PURGEABLE HALOCARBONS (601).....	<1
BENZENE.....	<1
PURGEABLE AROMATICS, BTEX (602).....	<1
TOTAL BTEX SUM.....	<1
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

(Key # 56)

CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 27 , SITE NUMBER: 27.06.02, REPORT DATE: 02/12/91
REPORT TITLE: USSR&M SITE INVESTIGATION REPORT AND PROPOSED REMEDIAL PLAN.
SAMPLE #? PR-1 SAMPLING DATE? 10/18/89 USGS #? AR40
CONTAMINANTS VALUES -PPB

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
PURGEABLE HALOCARBONS (601).....	
BENZENE.....	
PURGEABLE AROMATICS, BTEX (602).....	
TOTAL BTEX SUM.....	
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	5
MERCURY.....	
LEAD.....	
METALS.....	

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 56)

CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 27 , SITE NUMBER: 27.06.02, REPORT DATE: 02/12/91
REPORT TITLE: USSR&M SITE INVESTIGATION REPORT AND PROPOSED REMEDIAL PLAN.
SAMPLE #? PR-2 SAMPLING DATE? 10/18/89 USGS #? AR41
CONTAMINANTS VALUES -PPB

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....
VPH = TPH, GASOLINE (8015-V).....
EPH = TPH, DIESEL (8100).....
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....
EPH = TPH, RESIDUALS (CRUDE OIL).....
PURGEABLE HALOCARBONS (601).....
BENZENE.....
PURGEABLE AROMATICS, BTEX (602).....
TOTAL BTEX SUM.....
PCB'S.....
HERBICIDES.....
ARSENIC.....
MERCURY.....
LEAD.....
METALS.....

6

(Key # 56)

CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 27 , SITE NUMBER: 27.06.02, REPORT DATE: 02/12/91
REPORT TITLE: USSR&M SITE INVESTIGATION REPORT AND PROPOSED REMEDIAL PLAN.
SAMPLE #? MW-3 SAMPLING DATE? 10/18/89 USGS #? AR39
CONTAMINANTS VALUES -PPB

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....
VPH = TPH, GASOLINE (8015-V).....
EPH = TPH, DIESEL (8100).....
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....
EPH = TPH, RESIDUALS (CRUDE OIL).....
PURGEABLE HALOCARBONS (601).....
BENZENE.....
PURGEABLE AROMATICS, BTEX (602).....
TOTAL BTEX SUM.....
PCB'S.....
HERBICIDES.....
ARSENIC.....
MERCURY.....
LEAD.....
METALS.....

<5-<5
<0.5

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 56)

CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 27 , SITE NUMBER: 27.06.02, REPORT DATE: 02/12/91
REPORT TITLE: USSR&M SITE INVESTIGATION REPORT AND PROPOSED REMEDIAL PLAN.
SAMPLE #? MW-4 SAMPLING DATE? 10/18/89 USGS #? AR38
CONTAMINANTS VALUES -PPB

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1)	
VPH = TPH, GASOLINE (8015-V)	
EPH = TPH, DIESEL (8100)	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E)	
EPH = TPH, RESIDUALS (CRUDE OIL)	
PURGEABLE HALOCARBONS (601)	
BENZENE	
PURGEABLE AROMATICS, BTEX (602)	
TOTAL BTEX SUM	
PCB'S	
HERBICIDES	
ARSENIC	<5
MERCURY	
LEAD	
METALS	

(Key # 56)

CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 41 , SITE NUMBER: 41.06.02, REPORT DATE: 11/15/91
REPORT TITLE: ALASKA GOLD USSR&M SITE:RESPONSES & REPORTS PERTAINING TO US
SAMPLE #? MW-1 SAMPLING DATE? 10/11/91 USGS #? AR25
CONTAMINANTS VALUES -PPB

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1)	
VPH = TPH, GASOLINE (8015-V)	
EPH = TPH, DIESEL (8100)	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E)	
EPH = TPH, RESIDUALS (CRUDE OIL)	
PURGEABLE HALOCARBONS (601)	
BENZENE	
PURGEABLE AROMATICS, BTEX (602)	
TOTAL BTEX SUM	
PCB'S	
HERBICIDES	
ARSENIC	<5
MERCURY	<0.5
LEAD	
METALS	

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 71)

SITE REPORT

REPORT NUMBER: 39 , SITE NUMBER: 39.06.02, REPORT DATE: 07/01/92
REPORT TITLE: WORKPLAN FOR EXCAVATION AND DISPOSAL OF CONTAMINATED SOILS
REPORT BY: AMERICA NORTH & OTHERS
REPORT LOCATION: ALASKA GOLD
PRIOR OWNERSHIP: NOT MENTIONED
WATER LEVELS ONLY: N
NUMBER OF WELLS: 0
NUMBER OF BORINGS: 8
NUMBER OF SURFACE SAMPLES: 0
NUMBER OF GROUNDWATER LEVELS: 0
PERMAFROST: NOT MENTIONED
SURVEYED: N, MAPS: Y, PHOTOS: N
TYPES OF POTENTIAL SOURCES: M
TYPES OF POTENTIAL CONTAMINANTS: M
REPORT INCLUDES SUBSURFACE SOIL CHEMISTRY DATA: N
REPORT INCLUDES SURFICIAL SOIL CHEMISTRY DATA: N
REPORT INCLUDES GROUNDWATER CHEMISTRY DATA: N
REPORT INCLUDES BULK EXCAVATION DATA: N
REPORT INCLUDES INTERPRETATIVE HYDROLOGY: Y
REPORT INCLUDES QUALITY ASSURANCE PROCEDURES: N,
SURFACE STAINS: U
STAINED SOILS: U
OILY SOIL ODOR: U
SHEEN ON WATER: U
FLOATING PRODUCT: U
REVIEWER: JIM VOHDEN

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 67)

SITE REPORT

REPORT NUMBER: 40 , SITE NUMBER: 40.06.02, REPORT DATE: 03/17/92
REPORT TITLE: REMEDIAL ALTERNATIVES EVALUATION REPORT USSR&M SITE. FAIRBAN
REPORT BY: AMERICA NORTH / EMCON INC
REPORT LOCATION: ALASKA GOLD
PRIOR OWNERSHIP: NONE MENTIONED
WATER LEVELS ONLY: N
NUMBER OF WELLS: 0
NUMBER OF BORINGS: 0
NUMBER OF SURFACE SAMPLES: 0
NUMBER OF GROUNDWATER LEVELS: 0
PERMAFROST: NOT MENTIONED
SURVEYED: N, MAPS: N, PHOTOS: N
TYPES OF POTENTIAL SOURCES: M
TYPES OF POTENTIAL CONTAMINANTS: M
REPORT INCLUDES SUBSURFACE SOIL CHEMISTRY DATA: N
REPORT INCLUDES SURFICIAL SOIL CHEMISTRY DATA: N
REPORT INCLUDES GROUNDWATER CHEMISTRY DATA: N
REPORT INCLUDES BULK EXCAVATION DATA: N
REPORT INCLUDES INTERPRETATIVE HYDROLOGY: N
REPORT INCLUDES QUALITY ASSURANCE PROCEDURES: N,
SURFACE STAINS: U
STAINED SOILS: U
OILY SOIL ODOR: U
SHEEN ON WATER: U
FLOATING PRODUCT: U
REVIEWER: JIM VOHDEN

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 58)

SITE REPORT

REPORT NUMBER: 41 , SITE NUMBER: 41.06.02, REPORT DATE: 11/15/91
REPORT TITLE: ALASKA GOLD USSR&M SITE:RESPONSES & REPORTS PERTAINING TO US
REPORT BY: AMERICA NORTH INC.
REPORT LOCATION: ALASKA GOLD
PRIOR OWNERSHIP: NOT MENTIONED
WATER LEVELS ONLY: N
NUMBER OF WELLS: 0
NUMBER OF BORINGS: 2
NUMBER OF SURFACE SAMPLES: 0
NUMBER OF GROUNDWATER LEVELS: 0
PERMAFROST: NOT MENTIONED
SURVEYED: N, MAPS: N, PHOTOS: N
TYPES OF POTENTIAL SOURCES:
TYPES OF POTENTIAL CONTAMINANTS:
REPORT INCLUDES SUBSURFACE SOIL CHEMISTRY DATA: Y
REPORT INCLUDES SURFICIAL SOIL CHEMISTRY DATA: N
REPORT INCLUDES GROUNDWATER CHEMISTRY DATA: Y
REPORT INCLUDES BULK EXCAVATION DATA: N
REPORT INCLUDES INTERPRETATIVE HYDROLOGY: N
REPORT INCLUDES QUALITY ASSURANCE PROCEDURES: N,
SURFACE STAINS: U
STAINED SOILS: U
OILY SOIL ODOR: U
SHEEN ON WATER: U
FLOATING PRODUCT: U
REVIEWER: JIM VOHDEN

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 58)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 41 , SITE NUMBER: 41.06.02, REPORT DATE: 11/15/91
REPORT TITLE: ALASKA GOLD USSR&M SITE:RESPONSES & REPORTS PERTAINING TO US
SAMPLE #? C1A SAMPLING DATE? 05/29/91 USGS #?
CONTAMINANTS

VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	
TOTAL BTEX SUM.....	
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	1064.6
MERCURY.....	571.07
LEAD.....	422.5
METALS.....	

(Key # 58)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 41 , SITE NUMBER: 41.06.02, REPORT DATE: 11/15/91
REPORT TITLE: ALASKA GOLD USSR&M SITE:RESPONSES & REPORTS PERTAINING TO US
SAMPLE #? C1A SAMPLING DATE? 05/29/91 USGS #?
CONTAMINANTS

VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	
TOTAL BTEX SUM.....	
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	1064.6
MERCURY.....	571.07
LEAD.....	422.5
METALS.....	

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 58)

CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 41 , SITE NUMBER: 41.06.02, REPORT DATE: 11/15/91
REPORT TITLE: ALASKA GOLD USSR&M SITE:RESPONSES & REPORTS PERTAINING TO US
SAMPLE #? MW-1 SAMPLING DATE? 10/11/91 USGS #? AR25
CONTAMINANTS VALUES -PPB

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
PURGEABLE HALOCARBONS (601).....	
BENZENE.....	
PURGEABLE AROMATICS, BTEX (602).....	
TOTAL BTEX SUM.....	
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	<5
MERCURY.....	<0.5
LEAD.....	
METALS.....	

(Key # 58)

CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 41 , SITE NUMBER: 41.06.02, REPORT DATE: 11/15/91
REPORT TITLE: ALASKA GOLD USSR&M SITE:RESPONSES & REPORTS PERTAINING TO US
SAMPLE #? PR-1 SAMPLING DATE? 10/11/91 USGS #? AR40
CONTAMINANTS VALUES -PPB

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
PURGEABLE HALOCARBONS (601).....	
BENZENE.....	
PURGEABLE AROMATICS, BTEX (602).....	
TOTAL BTEX SUM.....	
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	<5
MERCURY.....	<0.5
LEAD.....	
METALS.....	

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 58)

CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 41 , SITE NUMBER: 41.06.02, REPORT DATE: 11/15/91
REPORT TITLE: ALASKA GOLD USSR&M SITE:RESPONSES & REPORTS PERTAINING TO US
SAMPLE #? PR-2 SAMPLING DATE? 10/11/91 USGS #? AR41
CONTAMINANTS VALUES -PPB

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
PURGEABLE HALOCARBONS (601).....	
BENZENE.....	
PURGEABLE AROMATICS, BTEX (602).....	
TOTAL BTEX SUM.....	
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	<5
MERCURY.....	<0.5
LEAD.....	
METALS.....	

(Key # 58)

CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 41 , SITE NUMBER: 41.06.02, REPORT DATE: 11/15/91
REPORT TITLE: ALASKA GOLD USSR&M SITE:RESPONSES & REPORTS PERTAINING TO US
SAMPLE #? MW-3 SAMPLING DATE? 10/11/91 USGS #? AR27
CONTAMINANTS VALUES -PPB

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
PURGEABLE HALOCARBONS (601).....	
BENZENE.....	
PURGEABLE AROMATICS, BTEX (602).....	
TOTAL BTEX SUM.....	
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	<5
MERCURY.....	<0.5
LEAD.....	
METALS.....	

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 58)

CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 41 , SITE NUMBER: 41.06.02, REPORT DATE: 11/15/91
REPORT TITLE: ALASKA GOLD USSR&M SITE:RESPONSES & REPORTS PERTAINING TO US
SAMPLE #? MW-4 SAMPLING DATE? 10/11/91 USGS #? AR39
CONTAMINANTS VALUES -PPB

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
PURGEABLE HALOCARBONS (601).....	
BENZENE.....	
PURGEABLE AROMATICS, BTEX (602).....	
TOTAL BTEX SUM.....	
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	<5
MERCURY.....	<0.5
LEAD.....	
METALS.....	

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 28)

SITE REPORT

REPORT NUMBER: 1 , SITE NUMBER: 01.07.00, REPORT DATE: 05/01/89
REPORT TITLE: PRELIMINARY HAZARDOUS WASTE SITE EVALUATION, PROPOSED MINNIE
REPORT BY: SHANNON & WILSON, INC.
REPORT LOCATION: SOURDOUGH EXPRESS
PRIOR OWNERSHIP: ALASKA GOLD COMPANY (NORTH VACANT LOT)
WATER LEVELS ONLY: N
NUMBER OF WELLS: 0
NUMBER OF BORINGS: 0
NUMBER OF SURFACE SAMPLES: 0
NUMBER OF GROUNDWATER LEVELS: 0
PERMAFROST: NOT MENTIONED
SURVEYED: N, MAPS: Y, PHOTOS: Y
TYPES OF POTENTIAL SOURCES: O,W,UD,F
TYPES OF POTENTIAL CONTAMINANTS: W,O,D,M,P
REPORT INCLUDES SUBSURFACE SOIL CHEMISTRY DATA: N
REPORT INCLUDES SURFICIAL SOIL CHEMISTRY DATA: N
REPORT INCLUDES GROUNDWATER CHEMISTRY DATA: N
REPORT INCLUDES BULK EXCAVATION DATA: N
REPORT INCLUDES INTERPRETATIVE HYDROLOGY: N
REPORT INCLUDES QUALITY ASSURANCE PROCEDURES: N,
SURFACE STAINS: Y
STAINED SOILS: U
OILY SOIL ODOR: U
SHEEN ON WATER: U
FLOATING PRODUCT: U
REVIEWER: MARY MAURER

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 13)

SITE REPORT

REPORT NUMBER: 2 , SITE NUMBER: 02.07.00, REPORT DATE: 12/01/90
REPORT TITLE: FINAL REPORT ILLINOIS STREET AND MINNIE STREET CONNECTOR, HA
REPORT BY: SHANNON & WILSON, INC.
REPORT LOCATION: SOURDOUGH EXPRESS
PRIOR OWNERSHIP: NOT MENTIONED
WATER LEVELS ONLY: N
NUMBER OF WELLS: 1
NUMBER OF BORINGS: 1
NUMBER OF SURFACE SAMPLES: 10
NUMBER OF GROUNDWATER LEVELS: 2
PERMAFROST: NOT MENTIONED
SURVEYED: N, MAPS: Y, PHOTOS: N
TYPES OF POTENTIAL SOURCES:
TYPES OF POTENTIAL CONTAMINANTS:
REPORT INCLUDES SUBSURFACE SOIL CHEMISTRY DATA: Y
REPORT INCLUDES SURFICIAL SOIL CHEMISTRY DATA: Y
REPORT INCLUDES GROUNDWATER CHEMISTRY DATA: Y
REPORT INCLUDES BULK EXCAVATION DATA: N
REPORT INCLUDES INTERPRETATIVE HYDROLOGY: N
REPORT INCLUDES QUALITY ASSURANCE PROCEDURES: Y, SURFACE STAINS: U
STAINED SOILS: U
OILY SOIL ODOR: Y
SHEEN ON WATER: Y
FLOATING PRODUCT: U
REVIEWER: MARY MAURER

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 13)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 2 , SITE NUMBER: 02.07.00, REPORT DATE: 12/01/90
REPORT TITLE: FINAL REPORT ILLINOIS STREET AND MINNIE STREET CONNECTOR, HA
SAMPLE #? GW-101 SAMPLING DATE? 08/07/90 USGS #? AR16
CONTAMINANTS

	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	8570-15600
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	<0.10-<15
BENZENE.....	1.00-110
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.10-1600
TOTAL BTEX SUM.....	198-2530
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

(Key # 13)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 2 , SITE NUMBER: 02.07.00, REPORT DATE: 12/01/90
REPORT TITLE: FINAL REPORT ILLINOIS STREET AND MINNIE STREET CONNECTOR, HA
SAMPLE #? SB-102 SAMPLING DATE? 08/07/90 USGS #? ARB14
CONTAMINANTS

	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	26-49
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	<0.01-<0.12
BENZENE.....	<0.01-<0.01
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.01-0.06
TOTAL BTEX SUM.....	0.04-0.06
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 13)

CHEMISTRY DATA - SURFACE SOIL

REPORT NUMBER: 2 , SITE NUMBER: 02.07.00, REPORT DATE: 12/01/90
REPORT TITLE: FINAL REPORT ILLINOIS STREET AND MINNIE STREET CONNECTOR, HA
SAMPLE #? SS-7 SAMPLING DATE? 08/28/90 USGS #?
CONTAMINANTS

CONTAMINANTS	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	
TOTAL BTEX SUM.....	
PCB'S.....	<0.1-<0.1
HERBICIDES.....	
ARSENIC.....	61.7
MERCURY.....	0.0784
LEAD.....	29.8
METALS.....	

(Key # 13)

CHEMISTRY DATA - SURFACE SOIL

REPORT NUMBER: 2 , SITE NUMBER: 02.07.00, REPORT DATE: 12/01/90
REPORT TITLE: FINAL REPORT ILLINOIS STREET AND MINNIE STREET CONNECTOR, HA
SAMPLE #? SS-8 SAMPLING DATE? 08/28/90 USGS #?
CONTAMINANTS

CONTAMINANTS	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	
TOTAL BTEX SUM.....	
PCB'S.....	<0.1-<0.1
HERBICIDES.....	
ARSENIC.....	182.5
MERCURY.....	20.1620
LEAD.....	89.3
METALS.....	

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 13)

CHEMISTRY DATA - SURFACE SOIL

REPORT NUMBER: 2 , SITE NUMBER: 02.07.00, REPORT DATE: 12/01/90
REPORT TITLE: FINAL REPORT ILLINOIS STREET AND MINNIE STREET CONNECTOR, HA
SAMPLE #? SS-9 SAMPLING DATE? 08/28/90 USGS #?
CONTAMINANTS

	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	
TOTAL BTEX SUM.....	
PCB'S.....	<0.1-<0.1
HERBICIDES.....	
ARSENIC.....	80.9
MERCURY.....	4.5642
LEAD.....	41.0
METALS.....	

(Key # 13)

CHEMISTRY DATA - SURFACE SOIL

REPORT NUMBER: 2 , SITE NUMBER: 02.07.00, REPORT DATE: 12/01/90
REPORT TITLE: FINAL REPORT ILLINOIS STREET AND MINNIE STREET CONNECTOR, HA
SAMPLE #? SS-10 SAMPLING DATE? 08/28/90 USGS #?
CONTAMINANTS

	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	
TOTAL BTEX SUM.....	
PCB'S.....	<0.1-<0.1
HERBICIDES.....	
ARSENIC.....	94.8
MERCURY.....	1.3596
LEAD.....	46.6
METALS.....	

Alaska DNR, Div. of Mining & Water Management
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(Key # 13)

CHEMISTRY DATA - SURFACE SOIL

REPORT NUMBER: 2 , SITE NUMBER: 02.07.00, REPORT DATE: 12/01/90
REPORT TITLE: FINAL REPORT ILLINOIS STREET AND MINNIE STREET CONNECTOR, HA
SAMPLE #? SS-11 SAMPLING DATE? 08/28/90 USGS #?
CONTAMINANTS

VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1)	
VPH = TPH, GASOLINE (8015-V)	
EPH = TPH, DIESEL (8100)	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E)	
EPH = TPH, RESIDUALS (CRUDE OIL)	
HALOGENATED VOLATILE ORGANICS (8010)	
BENZENE	
AROMATIC VOLATILE ORGANICS, BTEX (8020)	
TOTAL BTEX SUM	
PCB'S	<0.1-<0.1
HERBICIDES	
ARSENIC	69.4-70.4
MERCURY	0.544-0.7034
LEAD	9.3-71.3
METALS	

(Key # 13)

CHEMISTRY DATA - SURFACE SOIL

REPORT NUMBER: 2 , SITE NUMBER: 02.07.00, REPORT DATE: 12/01/90
REPORT TITLE: FINAL REPORT ILLINOIS STREET AND MINNIE STREET CONNECTOR, HA
SAMPLE #? SS-12 SAMPLING DATE? 08/28/90 USGS #?
CONTAMINANTS

VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1)	
VPH = TPH, GASOLINE (8015-V)	
EPH = TPH, DIESEL (8100)	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E)	
EPH = TPH, RESIDUALS (CRUDE OIL)	
HALOGENATED VOLATILE ORGANICS (8010)	
BENZENE	
AROMATIC VOLATILE ORGANICS, BTEX (8020)	
TOTAL BTEX SUM	
PCB'S	
HERBICIDES	<0.0005-<0.1
ARSENIC	
MERCURY	
LEAD	
METALS	

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CHEMISTRY DATA - SURFACE SOIL

REPORT NUMBER: 2 , SITE NUMBER: 02.07.00, REPORT DATE: 12/01/90
REPORT TITLE: FINAL REPORT ILLINOIS STREET AND MINNIE STREET CONNECTOR, HA
SAMPLE #? SS-18 SAMPLING DATE? 08/28/90 USGS #?
CONTAMINANTS

	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	184
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	<0.01-0.05
BENZENE.....	<0.01
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.01-0.03
TOTAL BTEX SUM.....	0.03
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

(Key # 13)

CHEMISTRY DATA - SURFACE SOIL

REPORT NUMBER: 2 , SITE NUMBER: 02.07.00, REPORT DATE: 12/01/90
REPORT TITLE: FINAL REPORT ILLINOIS STREET AND MINNIE STREET CONNECTOR, HA
SAMPLE #? SS-19 SAMPLING DATE? 08/28/90 USGS #?
CONTAMINANTS

	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	25000-70000
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	<0.25-<6.00
BENZENE.....	<0.50
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.50-16
TOTAL BTEX SUM.....	22.7
PCB'S.....	<0.1-<0.1
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

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CHEMISTRY DATA - SURFACE SOIL

REPORT NUMBER: 2 , SITE NUMBER: 02.07.00, REPORT DATE: 12/01/90
REPORT TITLE: FINAL REPORT ILLINOIS STREET AND MINNIE STREET CONNECTOR, HA
SAMPLE #? SS-20 SAMPLING DATE? 08/28/90 USGS #?
CONTAMINANTS

	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	1610
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	<0.05-0.21
BENZENE.....	<0.05
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.05-0.19
TOTAL BTEX SUM.....	0.49
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

(Key # 13)

CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 2 , SITE NUMBER: 02.07.00, REPORT DATE: 12/01/90
REPORT TITLE: FINAL REPORT ILLINOIS STREET AND MINNIE STREET CONNECTOR, HA
SAMPLE #? GW-101 SAMPLING DATE? 08/07/90 USGS #? AR16
CONTAMINANTS

	VALUES -PPB
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
PURGEABLE HALOCARBONS (601).....	<2.0-<1000
BENZENE.....	880
PURGEABLE AROMATICS, BTEX (602).....	<100-59000
TOTAL BTEX SUM.....	72980
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 44)

SITE REPORT

REPORT NUMBER: 28 , SITE NUMBER: 28.07.00, REPORT DATE: 12/26/91
REPORT TITLE: UNDERGROUND STORAGE TANK CLOSURE AND SITE ASSESSMENT, SOURDO
REPORT BY: SHANNON & WILSON, INC.
REPORT LOCATION: SOURDOUGH EXPRESS
PRIOR OWNERSHIP: NOT MENTIONED
WATER LEVELS ONLY: N
NUMBER OF WELLS: 0
NUMBER OF BORINGS: 0
NUMBER OF SURFACE SAMPLES: 0
NUMBER OF GROUNDWATER LEVELS: 1
PERMAFROST: NOT MENTIONED
SURVEYED: N, MAPS: Y, PHOTOS: N
TYPES OF POTENTIAL SOURCES: UD,UG,W
TYPES OF POTENTIAL CONTAMINANTS: D,G,W
REPORT INCLUDES SUBSURFACE SOIL CHEMISTRY DATA: N
REPORT INCLUDES SURFICIAL SOIL CHEMISTRY DATA: N
REPORT INCLUDES GROUNDWATER CHEMISTRY DATA: N
REPORT INCLUDES BULK EXCAVATION DATA: Y
REPORT INCLUDES INTERPRETATIVE HYDROLOGY: N
REPORT INCLUDES QUALITY ASSURANCE PROCEDURES: N,
SURFACE STAINS: Y
STAINED SOILS: Y
OILY SOIL ODOR: Y
SHEEN ON WATER: U
FLOATING PRODUCT: U
REVIEWER: MARY MAURER

Alaska DNR, Div. of Mining & Water Management
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(Key # 44)

CHEMISTRY DATA - EXCAVATED SOILS

REPORT NUMBER: 28 , SITE NUMBER: 28.07.00, REPORT DATE: 12/26/91
REPORT TITLE: UNDERGROUND STORAGE TANK CLOSURE AND SITE ASSESSMENT, SOURDO
SAMPLE #? T1-S1 SAMPLING DATE? 07/18/91 USGS #?
CONTAMINANTS

VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	<10
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	
TOTAL BTEX SUM.....	
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

(Key # 44)

CHEMISTRY DATA - EXCAVATED SOILS

REPORT NUMBER: 28 , SITE NUMBER: 28.07.00, REPORT DATE: 12/26/91
REPORT TITLE: UNDERGROUND STORAGE TANK CLOSURE AND SITE ASSESSMENT, SOURDO
SAMPLE #? T1-S2 SAMPLING DATE? 07/18/91 USGS #?
CONTAMINANTS

VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	24
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	
TOTAL BTEX SUM.....	
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

{Key # 44}

CHEMISTRY DATA - EXCAVATED SOILS

REPORT NUMBER: 28 , SITE NUMBER: 28.07.00, REPORT DATE: 12/26/91
REPORT TITLE: UNDERGROUND STORAGE TANK CLOSURE AND SITE ASSESSMENT, SOURDO
SAMPLE #? T1-S3 SAMPLING DATE? 07/18/91 USGS #?
CONTAMINANTS

	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	22000
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	
TOTAL BTEX SUM.....	
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

{Key # 44}

CHEMISTRY DATA - EXCAVATED SOILS

REPORT NUMBER: 28 , SITE NUMBER: 28.07.00, REPORT DATE: 12/26/91
REPORT TITLE: UNDERGROUND STORAGE TANK CLOSURE AND SITE ASSESSMENT, SOURDO
SAMPLE #? T2-S1 SAMPLING DATE? 07/19/91 USGS #?
CONTAMINANTS

	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	64000
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	
TOTAL BTEX SUM.....	
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 44)

CHEMISTRY DATA - EXCAVATED SOILS

REPORT NUMBER: 28 , SITE NUMBER: 28.07.00, REPORT DATE: 12/26/91
REPORT TITLE: UNDERGROUND STORAGE TANK CLOSURE AND SITE ASSESSMENT, SOURDO
SAMPLE #? T2-S2 SAMPLING DATE? 07/19/91 USGS #?
CONTAMINANTS

VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	42000
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	
TOTAL BTEX SUM.....	
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

(Key # 44)

CHEMISTRY DATA - EXCAVATED SOILS

REPORT NUMBER: 28 , SITE NUMBER: 28.07.00, REPORT DATE: 12/26/91
REPORT TITLE: UNDERGROUND STORAGE TANK CLOSURE AND SITE ASSESSMENT, SOURDO
SAMPLE #? T3-S1 SAMPLING DATE? 07/19/91 USGS #?
CONTAMINANTS

VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	<40
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	<0.40
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.40-32
TOTAL BTEX SUM.....	45
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 44)

CHEMISTRY DATA - EXCAVATED SOILS

REPORT NUMBER: 28 , SITE NUMBER: 28.07.00, REPORT DATE: 12/26/91
REPORT TITLE: UNDERGROUND STORAGE TANK CLOSURE AND SITE ASSESSMENT, SOURDO
SAMPLE #? T3-S2 SAMPLING DATE? 07/19/91 USGS #?
CONTAMINANTS

CONTAMINANTS	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	<100
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	<1.0
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<1.0-<4.0
TOTAL BTEX SUM.....	<1.0
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

(Key # 44)

CHEMISTRY DATA - EXCAVATED SOILS

REPORT NUMBER: 28 , SITE NUMBER: 28.07.00, REPORT DATE: 12/26/91
REPORT TITLE: UNDERGROUND STORAGE TANK CLOSURE AND SITE ASSESSMENT, SOURDO
SAMPLE #? T4-S1 SAMPLING DATE? 07/19/91 USGS #?
CONTAMINANTS

CONTAMINANTS	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	32
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	<0.01-0.16
BENZENE.....	
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	
TOTAL BTEX SUM.....	
PCB'S.....	<0.1-<0.1
HERBICIDES.....	
ARSENIC.....	5.5
MERCURY.....	0.43
LEAD.....	2.8
METALS.....	0.08-8.0

Alaska DNR, Div. of Mining & Water Management
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(Key # 44)

CHEMISTRY DATA - EXCAVATED SOILS

REPORT NUMBER: 28 , SITE NUMBER: 28.07.00, REPORT DATE: 12/26/91
REPORT TITLE: UNDERGROUND STORAGE TANK CLOSURE AND SITE ASSESSMENT, SOURDO
SAMPLE #? T4-S2 SAMPLING DATE? 07/19/91 USGS #?
CONTAMINANTS

	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	<20
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	<0.01-<0.12
BENZENE.....	
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	
TOTAL BTEX SUM.....	
PCB'S.....	<0.1-<0.1
HERBICIDES.....	
ARSENIC.....	7.0
MERCURY.....	<0.08
LEAD.....	2.9
METALS.....	0.06-7.9

(Key # 44)

CHEMISTRY DATA - EXCAVATED SOILS

REPORT NUMBER: 28 , SITE NUMBER: 28.07.00, REPORT DATE: 12/26/91
REPORT TITLE: UNDERGROUND STORAGE TANK CLOSURE AND SITE ASSESSMENT, SOURDO
SAMPLE #? C1 SAMPLING DATE? 07/30/91 USGS #?
CONTAMINANTS

	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	<0.03-1.10
BENZENE.....	
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	
TOTAL BTEX SUM.....	
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

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CHEMISTRY DATA - EXCAVATED SOILS

REPORT NUMBER: 28 , SITE NUMBER: 28.07.00, REPORT DATE: 12/26/91
REPORT TITLE: UNDERGROUND STORAGE TANK CLOSURE AND SITE ASSESSMENT, SOURDO
SAMPLE #? C2 SAMPLING DATE? 07/30/91 USGS #?

CONTAMINANTS	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	<0.03-1.40
BENZENE.....	
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	
TOTAL BTEX SUM.....	
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 64)

SITE REPORT

REPORT NUMBER: 38 , SITE NUMBER: 38.07.00, REPORT DATE: 07/11/90
REPORT TITLE: EXPLORATORY DRILLING AND SAMPLING PROGRAM FOR ILLINOIS ST WI
REPORT BY: SHANNON & WILSON, INC.
REPORT LOCATION: SOURDOUGH EXPRESS
PRIOR OWNERSHIP: NOT MENTIONED
WATER LEVELS ONLY: N
NUMBER OF WELLS: 0
NUMBER OF BORINGS: 0
NUMBER OF SURFACE SAMPLES: 0
NUMBER OF GROUNDWATER LEVELS: 0
PERMAFROST: NOT MENTIONED
SURVEYED: N, MAPS: Y, PHOTOS: N
TYPES OF POTENTIAL SOURCES:
TYPES OF POTENTIAL CONTAMINANTS:
REPORT INCLUDES SUBSURFACE SOIL CHEMISTRY DATA: N
REPORT INCLUDES SURFICIAL SOIL CHEMISTRY DATA: N
REPORT INCLUDES GROUNDWATER CHEMISTRY DATA: N
REPORT INCLUDES BULK EXCAVATION DATA: N
REPORT INCLUDES INTERPRETATIVE HYDROLOGY: N
REPORT INCLUDES QUALITY ASSURANCE PROCEDURES: N,
SURFACE STAINS: U
STAINED SOILS: U
OILY SOIL ODOR: U
SHEEN ON WATER: U
FLOATING PRODUCT: U
REVIEWER: JIM VOHDEN

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 62)

SITE REPORT

REPORT NUMBER: 42 , SITE NUMBER: 42.07.00, REPORT DATE: 06/25/91
REPORT TITLE: ENVIRONMENTAL STUDIES REGARDING GROUNDWATER QUALITY AT SOURD
REPORT BY: SHANNON & WILSON, INC.
REPORT LOCATION: SOURDOUGH EXPRESS
PRIOR OWNERSHIP: NOT MENTIONED
WATER LEVELS ONLY: N
NUMBER OF WELLS: 5
NUMBER OF BORINGS: 0
NUMBER OF SURFACE SAMPLES: 0
NUMBER OF GROUNDWATER LEVELS: 7
PERMAFROST: NOT MENTIONED
SURVEYED: Y, MAPS: Y, PHOTOS: N
TYPES OF POTENTIAL SOURCES: GDWOF
TYPES OF POTENTIAL CONTAMINANTS:
REPORT INCLUDES SUBSURFACE SOIL CHEMISTRY DATA: Y
REPORT INCLUDES SURFICIAL SOIL CHEMISTRY DATA: N
REPORT INCLUDES GROUNDWATER CHEMISTRY DATA: Y
REPORT INCLUDES BULK EXCAVATION DATA: N
REPORT INCLUDES INTERPRETATIVE HYDROLOGY: N
REPORT INCLUDES QUALITY ASSURANCE PROCEDURES: N,
SURFACE STAINS: U
STAINED SOILS: Y
OILY SOIL ODOR: Y
SHEEN ON WATER: Y
FLOATING PRODUCT: N
REVIEWER: JIM VOHDEN

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 62)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 42 , SITE NUMBER: 42.07.00, REPORT DATE: 06/25/91
REPORT TITLE: ENVIRONMENTAL STUDIES REGARDING GROUNDWATER QUALITY AT SOURD
SAMPLE #? MW-1 SAMPLING DATE? 04/25/91 USGS #? AR47
CONTAMINANTS

	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	13
EPH = TPH, DIESEL (8100).....	7400
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	0.04-1.20
BENZENE.....	<0.01-1.80
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.01-1.80
TOTAL BTEX SUM.....	0.21-2.68
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

(Key # 62)

CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 42 , SITE NUMBER: 42.07.00, REPORT DATE: 06/25/91
REPORT TITLE: ENVIRONMENTAL STUDIES REGARDING GROUNDWATER QUALITY AT SOURD
SAMPLE #? MW-1 SAMPLING DATE? 05/09/91 USGS #? AR47
CONTAMINANTS

	VALUES -PPB
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
PURGEABLE HALOCARBONS (601).....	<0.2-2.5
BENZENE.....	16
PURGEABLE AROMATICS, BTEX (602).....	0.2-16
TOTAL BTEX SUM.....	24.1
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

Alaska DNR, Div. of Mining & Water Management
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CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 42 , SITE NUMBER: 42.07.00, REPORT DATE: 06/25/91
REPORT TITLE: ENVIRONMENTAL STUDIES REGARDING GROUNDWATER QUALITY AT SOURD
SAMPLE #? MW-2 SAMPLING DATE? 05/09/91 USGS #? AR48
CONTAMINANTS VALUES -PPB

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
PURGEABLE HALOCARBONS (601).....	0.5-4.6
BENZENE.....	140
PURGEABLE AROMATICS, BTEX (602).....	0.4-140
TOTAL BTEX SUM.....	141.8
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

(Key # 62)

CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 42 , SITE NUMBER: 42.07.00, REPORT DATE: 06/25/91
REPORT TITLE: ENVIRONMENTAL STUDIES REGARDING GROUNDWATER QUALITY AT SOURD
SAMPLE #? MW-3 SAMPLING DATE? 05/09/91 USGS #? AR49
CONTAMINANTS VALUES -PPB

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
PURGEABLE HALOCARBONS (601).....	0.3-5.7
BENZENE.....	180.0
PURGEABLE AROMATICS, BTEX (602).....	1.8-180.0
TOTAL BTEX SUM.....	207.1
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

Alaska DNR, Div. of Mining & Water Management
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(Key # 62)

CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 42 , SITE NUMBER: 42.07.00, REPORT DATE: 06/25/91
REPORT TITLE: ENVIRONMENTAL STUDIES REGARDING GROUNDWATER QUALITY AT SOURD
SAMPLE #? MW-4 SAMPLING DATE? 05/09/91 USGS #? AR50
CONTAMINANTS VALUES -PPB

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
PURGEABLE HALOCARBONS (601).....	<0.2-6.7
BENZENE.....	220.0
PURGEABLE AROMATICS, BTEX (602).....	1.3-220.0
TOTAL BTEX SUM.....	229.9
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

(Key # 62)

CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 42 , SITE NUMBER: 42.07.00, REPORT DATE: 06/25/91
REPORT TITLE: ENVIRONMENTAL STUDIES REGARDING GROUNDWATER QUALITY AT SOURD
SAMPLE #? MW-5 SAMPLING DATE? 05/09/91 USGS #? AR51
CONTAMINANTS VALUES -PPB

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
PURGEABLE HALOCARBONS (601).....	<0.2-4.4
BENZENE.....	110.0
PURGEABLE AROMATICS, BTEX (602).....	0.3-110.0
TOTAL BTEX SUM.....	111.4
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

Alaska DNR, Div. of Mining & Water Management
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(Key # 62)

CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 42 , SITE NUMBER: 42.07.00, REPORT DATE: 06/25/91
REPORT TITLE: ENVIRONMENTAL STUDIES REGARDING GROUNDWATER QUALITY AT SOURD
SAMPLE #? GW-101 SAMPLING DATE? 05/09/91 USGS #? AR16
CONTAMINANTS VALUES -PPB

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
PURGEABLE HALOCARBONS (601).....	<10-<10
BENZENE.....	210.0
PURGEABLE AROMATICS, BTEX (602).....	<10-210.0
TOTAL BTEX SUM.....	210.0
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

(Key # 62)

CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 42 , SITE NUMBER: 42.07.00, REPORT DATE: 06/25/91
REPORT TITLE: ENVIRONMENTAL STUDIES REGARDING GROUNDWATER QUALITY AT SOURD
SAMPLE #? GW-101 SAMPLING DATE? 08/07/90 USGS #? AR16
CONTAMINANTS VALUES -PPB

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
PURGEABLE HALOCARBONS (601).....	<100-<100
BENZENE.....	880.0
PURGEABLE AROMATICS, BTEX (602).....	880.0-59000
TOTAL BTEX SUM.....	72980
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

Alaska DNR, Div. of Mining & Water Management
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(Key # 21)

SITE REPORT

REPORT NUMBER: 1 , SITE NUMBER: 01.08.00, REPORT DATE: 05/01/89
REPORT TITLE: PRELIMINARY HAZARDOUS WASTE SITE EVALUATION, PROPOSED MINNIE
REPORT BY: SHANNON & WILSON, INC.
REPORT LOCATION: ALASKA RAILROAD RIGHT OF WAY
PRIOR OWNERSHIP: NOT MENTIONED
WATER LEVELS ONLY: N
NUMBER OF WELLS: 0
NUMBER OF BORINGS: 0
NUMBER OF SURFACE SAMPLES: 0
NUMBER OF GROUNDWATER LEVELS: 0
PERMAFROST: NOT MENTIONED
SURVEYED: N, MAPS: Y, PHOTOS: Y
TYPES OF POTENTIAL SOURCES: P,W
TYPES OF POTENTIAL CONTAMINANTS: G,H,W,H
REPORT INCLUDES SUBSURFACE SOIL CHEMISTRY DATA: N
REPORT INCLUDES SURFICIAL SOIL CHEMISTRY DATA: N
REPORT INCLUDES GROUNDWATER CHEMISTRY DATA: N
REPORT INCLUDES BULK EXCAVATION DATA: N
REPORT INCLUDES INTERPRETATIVE HYDROLOGY: N
REPORT INCLUDES QUALITY ASSURANCE PROCEDURES: N,
SURFACE STAINS: Y
STAINED SOILS: U
OILY SOIL ODOR: U
SHEEN ON WATER: U
FLOATING PRODUCT: U
REVIEWER: MARY MAURER

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 81)

SITE REPORT

REPORT NUMBER: 9 , SITE NUMBER: 09.08.00, REPORT DATE: 07/29/88
REPORT TITLE: FAIRBANKS FUEL FACILITY. FAIRBANKS, ALASKA
REPORT BY: WOODWARD-CLYDE CONSULTANT
REPORT LOCATION: ALASKA RAILROAD ROW
PRIOR OWNERSHIP: NOT MENTIONED
WATER LEVELS ONLY: N
NUMBER OF WELLS: 0
NUMBER OF BORINGS: 0
NUMBER OF SURFACE SAMPLES: 0
NUMBER OF GROUNDWATER LEVELS: 4
PERMAFROST: NOT MENTIONED
SURVEYED: N, MAPS: Y, PHOTOS: N
TYPES OF POTENTIAL SOURCES: AD
TYPES OF POTENTIAL CONTAMINANTS: D
REPORT INCLUDES SUBSURFACE SOIL CHEMISTRY DATA: N
REPORT INCLUDES SURFICIAL SOIL CHEMISTRY DATA: N
REPORT INCLUDES GROUNDWATER CHEMISTRY DATA: Y
REPORT INCLUDES BULK EXCAVATION DATA: N
REPORT INCLUDES INTERPRETATIVE HYDROLOGY: N
REPORT INCLUDES QUALITY ASSURANCE PROCEDURES: N, SURFACE STAINS: Y
STAINED SOILS: Y
OILY SOIL ODOR: U
SHEEN ON WATER: U
FLOATING PRODUCT: Y
REVIEWER: MARY MAURER

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 81)

CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 9 , SITE NUMBER: 09.08.00, REPORT DATE: 07/29/88

REPORT TITLE: FAIRBANKS FUEL FACILITY. FAIRBANKS, ALASKA

SAMPLE #? 15 SAMPLING DATE? 06/25/88 USGS #?

CONTAMINANTS	VALUES -PPB
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
PURGEABLE HALOCARBONS (601).....	
BENZENE.....	<1
PURGEABLE AROMATICS, BTEX (602).....	<1-739
TOTAL BTEX SUM.....	1134.6
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

Alaska DNR, Div. of Mining & Water Management
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(Key # 116)

SITE REPORT

REPORT NUMBER: 79 , SITE NUMBER: 79.08.00, REPORT DATE: 09/15/93
REPORT TITLE: MONITORING WELL INSTALLATION
REPORT BY: DAMES & MOORE
REPORT LOCATION: ALASKA RAILROAD INDUSTRIAL ARE
PRIOR OWNERSHIP: NOT MENTIONED
WATER LEVELS ONLY: N
NUMBER OF WELLS: 8
NUMBER OF BORINGS: 0
NUMBER OF SURFACE SAMPLES: 0
NUMBER OF GROUNDWATER LEVELS: 8
PERMAFROST: NOT MENTIONED
SURVEYED: N, MAPS: Y, PHOTOS: N
TYPES OF POTENTIAL SOURCES:
TYPES OF POTENTIAL CONTAMINANTS:
REPORT INCLUDES SUBSURFACE SOIL CHEMISTRY DATA: N
REPORT INCLUDES SURFICIAL SOIL CHEMISTRY DATA: N
REPORT INCLUDES GROUNDWATER CHEMISTRY DATA: N
REPORT INCLUDES BULK EXCAVATION DATA: N
REPORT INCLUDES INTERPRETATIVE HYDROLOGY: N
REPORT INCLUDES QUALITY ASSURANCE PROCEDURES: N,
SURFACE STAINS: U
STAINED SOILS: N
OILY SOIL ODOR: U
SHEEN ON WATER: U
FLOATING PRODUCT: U
REVIEWER: JIM VOHDEN

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 12)

SITE REPORT

REPORT NUMBER: 2 , SITE NUMBER: 02.08.01, REPORT DATE: 12/01/90
REPORT TITLE: FINAL REPORT ILLINOIS STREET AND MINNIE STREET CONNECTOR, HA
REPORT BY: SHANNON & WILSON, INC.
REPORT LOCATION: ALASKA RAILROAD-EIELSON BRANCH
PRIOR OWNERSHIP: NOT MENTIONED
WATER LEVELS ONLY: N
NUMBER OF WELLS: 0
NUMBER OF BORINGS: 0
NUMBER OF SURFACE SAMPLES: 6
NUMBER OF GROUNDWATER LEVELS: 0
PERMAFROST: NOT MENTIONED
SURVEYED: N, MAPS: Y, PHOTOS: N
TYPES OF POTENTIAL SOURCES: P
TYPES OF POTENTIAL CONTAMINANTS:
REPORT INCLUDES SUBSURFACE SOIL CHEMISTRY DATA: N
REPORT INCLUDES SURFICIAL SOIL CHEMISTRY DATA: Y
REPORT INCLUDES GROUNDWATER CHEMISTRY DATA: N
REPORT INCLUDES BULK EXCAVATION DATA: N
REPORT INCLUDES INTERPRETATIVE HYDROLOGY: N
REPORT INCLUDES QUALITY ASSURANCE PROCEDURES: Y,
SURFACE STAINS: U
STAINED SOILS: U
OILY SOIL ODOR: U
SHEEN ON WATER: U
FLOATING PRODUCT: U
REVIEWER: MARY MAURER

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 12)

CHEMISTRY DATA - SURFACE SOIL

REPORT NUMBER: 2 , SITE NUMBER: 02.08.01, REPORT DATE: 12/01/90
REPORT TITLE: FINAL REPORT ILLINOIS STREET AND MINNIE STREET CONNECTOR, HA
SAMPLE #? SS-1 SAMPLING DATE? 08/28/90 USGS #?
CONTAMINANTS

	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	45
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	<0.01
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.01-0.02
TOTAL BTEX SUM.....	0.02
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

(Key # 12)

CHEMISTRY DATA - SURFACE SOIL

REPORT NUMBER: 2 , SITE NUMBER: 02.08.01, REPORT DATE: 12/01/90
REPORT TITLE: FINAL REPORT ILLINOIS STREET AND MINNIE STREET CONNECTOR, HA
SAMPLE #? SS-2 SAMPLING DATE? 08/28/90 USGS #?
CONTAMINANTS

	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	
TOTAL BTEX SUM.....	
PCB'S.....	
HERBICIDES.....	<0.0005-<0.1
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

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(Key # 12)

CHEMISTRY DATA - SURFACE SOIL

REPORT NUMBER: 2 , SITE NUMBER: 02.08.01, REPORT DATE: 12/01/90
REPORT TITLE: FINAL REPORT ILLINOIS STREET AND MINNIE STREET CONNECTOR, HA
SAMPLE #? SS-3 SAMPLING DATE? 08/28/90 USGS #?
CONTAMINANTS

	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	50
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	<0.01
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.01-0.03
TOTAL BTEX SUM.....	0.03
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

(Key # 12)

CHEMISTRY DATA - SURFACE SOIL

REPORT NUMBER: 2 , SITE NUMBER: 02.08.01, REPORT DATE: 12/01/90
REPORT TITLE: FINAL REPORT ILLINOIS STREET AND MINNIE STREET CONNECTOR, HA
SAMPLE #? SS-4 SAMPLING DATE? 08/28/90 USGS #?
CONTAMINANTS

	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	
TOTAL BTEX SUM.....	
PCB'S.....	
HERBICIDES.....	<0.0005-<0.1
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

Alaska DNR, Div. of Mining & Water Management
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(Key # 12)

CHEMISTRY DATA - SURFACE SOIL

REPORT NUMBER: 2 , SITE NUMBER: 02.08.01, REPORT DATE: 12/01/90
REPORT TITLE: FINAL REPORT ILLINOIS STREET AND MINNIE STREET CONNECTOR, HA
SAMPLE #? SS-5 SAMPLING DATE? 08/28/90 USGS #?

CONTAMINANTS	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	39
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	<0.01
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.01-0.04
TOTAL BTEX SUM.....	0.09
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

(Key # 12)

CHEMISTRY DATA - SURFACE SOIL

REPORT NUMBER: 2 , SITE NUMBER: 02.08.01, REPORT DATE: 12/01/90
REPORT TITLE: FINAL REPORT ILLINOIS STREET AND MINNIE STREET CONNECTOR, HA
SAMPLE #? SS-6 SAMPLING DATE? 08/28/90 USGS #?

CONTAMINANTS	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	
TOTAL BTEX SUM.....	
PCB'S.....	
HERBICIDES.....	0.00002
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

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(Key # 11)

SITE REPORT

REPORT NUMBER: 2 , SITE NUMBER: 02.08.02, REPORT DATE: 12/01/90
REPORT TITLE: FINAL REPORT ILLINOIS STREET AND MINNIE STREET CONNECTOR, HA
REPORT BY: SHANNON & WILSON, INC.
REPORT LOCATION: ALASKA RAILROAD ROW-OIL AVE.
PRIOR OWNERSHIP: NOT MENTIONED
WATER LEVELS ONLY: N
NUMBER OF WELLS: 0
NUMBER OF BORINGS: 1
NUMBER OF SURFACE SAMPLES: 0
NUMBER OF GROUNDWATER LEVELS: 1
PERMAFROST: NOT MENTIONED
SURVEYED: N, MAPS: Y, PHOTOS: N
TYPES OF POTENTIAL SOURCES:
TYPES OF POTENTIAL CONTAMINANTS:
REPORT INCLUDES SUBSURFACE SOIL CHEMISTRY DATA: Y
REPORT INCLUDES SURFICIAL SOIL CHEMISTRY DATA: N
REPORT INCLUDES GROUNDWATER CHEMISTRY DATA: N
REPORT INCLUDES BULK EXCAVATION DATA: N
REPORT INCLUDES INTERPRETATIVE HYDROLOGY: N
REPORT INCLUDES QUALITY ASSURANCE PROCEDURES: Y, SURFACE STAINS: Y
STAINED SOILS: Y
OILY SOIL ODOR: Y
SHEEN ON WATER: Y
FLOATING PRODUCT: U
REVIEWER: MARY MAURER

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 11)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 2 , SITE NUMBER: 02.08.02, REPORT DATE: 12/01/90
REPORT TITLE: FINAL REPORT ILLINOIS STREET AND MINNIE STREET CONNECTOR, HA
SAMPLE #? SB-125 SAMPLING DATE? 08/17/90 USGS #? ARB6
CONTAMINANTS

CONTAMINANTS	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	<50-<125
EPH = TPH, DIESEL (8100).....	610-10000
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	<0.05-1.10
BENZENE.....	<0.05-10
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.05-670
TOTAL BTEX SUM.....	25-904
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 10)

SITE REPORT

REPORT NUMBER: 2 , SITE NUMBER: 02.08.03, REPORT DATE: 12/01/90
REPORT TITLE: FINAL REPORT ILLINOIS STREET AND MINNIE STREET CONNECTOR, HA
REPORT BY: SHANNON & WILSON, INC.
REPORT LOCATION: ALASKA RAILROAD ROW-CHARLES ST
PRIOR OWNERSHIP: NOT MENTIONED
WATER LEVELS ONLY: N
NUMBER OF WELLS: 1
NUMBER OF BORINGS: 0
NUMBER OF SURFACE SAMPLES: 4
NUMBER OF GROUNDWATER LEVELS: 3
PERMAFROST: NOT MENTIONED
SURVEYED: N, MAPS: Y, PHOTOS: N
TYPES OF POTENTIAL SOURCES:
TYPES OF POTENTIAL CONTAMINANTS:
REPORT INCLUDES SUBSURFACE SOIL CHEMISTRY DATA: Y
REPORT INCLUDES SURFICIAL SOIL CHEMISTRY DATA: Y
REPORT INCLUDES GROUNDWATER CHEMISTRY DATA: Y
REPORT INCLUDES BULK EXCAVATION DATA: N
REPORT INCLUDES INTERPRETATIVE HYDROLOGY: N
REPORT INCLUDES QUALITY ASSURANCE PROCEDURES: Y, SURFACE STAINS: U
STAINED SOILS: Y
OILY SOIL ODOR: Y
SHEEN ON WATER: Y
FLOATING PRODUCT: U
REVIEWER: MARY MAURER

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 10)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 2 , SITE NUMBER: 02.08.03, REPORT DATE: 12/01/90
REPORT TITLE: FINAL REPORT ILLINOIS STREET AND MINNIE STREET CONNECTOR, HA
SAMPLE #? PW-108 SAMPLING DATE? 08/10/90 USGS #? AR11
CONTAMINANTS

	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	24-4630
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	<0.01-0.05
BENZENE.....	<0.01-0.15
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.01-2.4
TOTAL BTEX SUM.....	<0.01-4.18
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

(Key # 10)

CHEMISTRY DATA - SURFACE SOIL

REPORT NUMBER: 2 , SITE NUMBER: 02.08.03, REPORT DATE: 12/01/90
REPORT TITLE: FINAL REPORT ILLINOIS STREET AND MINNIE STREET CONNECTOR, HA
SAMPLE #? SS-26 SAMPLING DATE? 08/29/90 USGS #?
CONTAMINANTS

	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	23
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	0.04
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.01-0.65
TOTAL BTEX SUM.....	1.11
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 10)

CHEMISTRY DATA - SURFACE SOIL

REPORT NUMBER: 2 , SITE NUMBER: 02.08.03, REPORT DATE: 12/01/90
REPORT TITLE: FINAL REPORT ILLINOIS STREET AND MINNIE STREET CONNECTOR, HA
SAMPLE #? SS-27 SAMPLING DATE? 08/29/90 USGS #?
CONTAMINANTS

	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	
TOTAL BTEX SUM.....	
PCB'S.....	
HERBICIDES.....	<0.0005-<0.1
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

(Key # 10)

CHEMISTRY DATA - SURFACE SOIL

REPORT NUMBER: 2 , SITE NUMBER: 02.08.03, REPORT DATE: 12/01/90
REPORT TITLE: FINAL REPORT ILLINOIS STREET AND MINNIE STREET CONNECTOR, HA
SAMPLE #? SS-28 SAMPLING DATE? 08/29/90 USGS #?
CONTAMINANTS

	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	49
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	<0.01
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.01-0.04
TOTAL BTEX SUM.....	0.04
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 10)

CHEMISTRY DATA - SURFACE SOIL

REPORT NUMBER: 2 , SITE NUMBER: 02.08.03, REPORT DATE: 12/01/90
REPORT TITLE: FINAL REPORT ILLINOIS STREET AND MINNIE STREET CONNECTOR, HA
SAMPLE #? SS-29 SAMPLING DATE? 08/29/90 USGS #?
CONTAMINANTS

	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	
TOTAL BTEX SUM.....	
PCB'S.....	
HERBICIDES.....	<0.0005-<0.1
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

(Key # 10)

CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 2 , SITE NUMBER: 02.08.03, REPORT DATE: 12/01/90
REPORT TITLE: FINAL REPORT ILLINOIS STREET AND MINNIE STREET CONNECTOR, HA
SAMPLE #? PW-108 SAMPLING DATE? 08/10/90 USGS #? AR11
CONTAMINANTS

	VALUES -PPB
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
PURGEABLE HALOCARBONS (601).....	
BENZENE.....	0.7
PURGEABLE AROMATICS, BTEX (602).....	<0.2-1.8
TOTAL BTEX SUM.....	4.1
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

Alaska DNR, Div. of Mining & Water Management
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(Key # 29)

SITE REPORT

REPORT NUMBER: 1 , SITE NUMBER: 01.09.00, REPORT DATE: 05/01/89
REPORT TITLE: PRELIMINARY HAZARDOUS WASTE SITE EVALUATION, PROPOSED MINNIE
REPORT BY: SHANNON & WILSON, INC.
REPORT LOCATION: CITY STREETS
PRIOR OWNERSHIP: NOT MENTIONED
WATER LEVELS ONLY: N
NUMBER OF WELLS: 0
NUMBER OF BORINGS: 0
NUMBER OF SURFACE SAMPLES: 0
NUMBER OF GROUNDWATER LEVELS: 0
PERMAFROST: NOT MENTIONED
SURVEYED: N, MAPS: Y, PHOTOS: Y
TYPES OF POTENTIAL SOURCES: W
TYPES OF POTENTIAL CONTAMINANTS: W
REPORT INCLUDES SUBSURFACE SOIL CHEMISTRY DATA: N
REPORT INCLUDES SURFICIAL SOIL CHEMISTRY DATA: N
REPORT INCLUDES GROUNDWATER CHEMISTRY DATA: N
REPORT INCLUDES BULK EXCAVATION DATA: N
REPORT INCLUDES INTERPRETATIVE HYDROLOGY: N
REPORT INCLUDES QUALITY ASSURANCE PROCEDURES: N,
SURFACE STAINS: U
STAINED SOILS: U
OILY SOIL ODOR: U
SHEEN ON WATER: U
FLOATING PRODUCT: U
REVIEWER: MARY MAURER

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 14)

SITE REPORT

REPORT NUMBER: 2 , SITE NUMBER: 02.09.01, REPORT DATE: 12/01/90
REPORT TITLE: FINAL REPORT ILLINOIS STREET AND MINNIE STREET CONNECTOR, HA
REPORT BY: SHANNON & WILSON, INC.
REPORT LOCATION: CITY STREETS-DRIVEWAY STREET
PRIOR OWNERSHIP: NOT MENTIONED
WATER LEVELS ONLY: N
NUMBER OF WELLS: 0
NUMBER OF BORINGS: 1
NUMBER OF SURFACE SAMPLES: 3
NUMBER OF GROUNDWATER LEVELS: 1
PERMAFROST: NOT MENTIONED
SURVEYED: N, MAPS: Y, PHOTOS: N
TYPES OF POTENTIAL SOURCES:
TYPES OF POTENTIAL CONTAMINANTS:
REPORT INCLUDES SUBSURFACE SOIL CHEMISTRY DATA: Y
REPORT INCLUDES SURFICIAL SOIL CHEMISTRY DATA: Y
REPORT INCLUDES GROUNDWATER CHEMISTRY DATA: N
REPORT INCLUDES BULK EXCAVATION DATA: N
REPORT INCLUDES INTERPRETATIVE HYDROLOGY: N
REPORT INCLUDES QUALITY ASSURANCE PROCEDURES: Y, SURFACE STAINS: U
STAINED SOILS: N
OILY SOIL ODOR: N
SHEEN ON WATER: N
FLOATING PRODUCT: U

REVIEWER: MARY MAURER

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 14)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 2 , SITE NUMBER: 02.09.01, REPORT DATE: 12/01/90
REPORT TITLE: FINAL REPORT ILLINOIS STREET AND MINNIE STREET CONNECTOR, HA
SAMPLE #? SB-103 SAMPLING DATE? 08/08/90 USGS #? ARB13
CONTAMINANTS VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	20-222
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	<0.01-<0.12
BENZENE.....	<0.01-<0.01
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.01-0.05
TOTAL BTEX SUM.....	<0.01-0.05
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

(Key # 14)

CHEMISTRY DATA - SURFACE SOIL

REPORT NUMBER: 2 , SITE NUMBER: 02.09.01, REPORT DATE: 12/01/90
REPORT TITLE: FINAL REPORT ILLINOIS STREET AND MINNIE STREET CONNECTOR, HA
SAMPLE #? SS-13 SAMPLING DATE? 08/28/90 USGS #?
CONTAMINANTS VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	
TOTAL BTEX SUM.....	
PCB'S.....	<0.1-0.065
HERBICIDES.....	
ARSENIC.....	145.1
MERCURY.....	0.8109
LEAD.....	76.4
METALS.....	

Alaska DNR, Div. of Mining & Water Management
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(Key # 14)

CHEMISTRY DATA - SURFACE SOIL

REPORT NUMBER: 2 , SITE NUMBER: 02.09.01, REPORT DATE: 12/01/90
REPORT TITLE: FINAL REPORT ILLINOIS STREET AND MINNIE STREET CONNECTOR, HA
SAMPLE #? SS-14 SAMPLING DATE? 08/28/90 USGS #?

CONTAMINANTS	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	178-329
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	<0.01-0.05
BENZENE.....	
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	
TOTAL BTEX SUM.....	
PCB'S.....	<0.1-0.5
HERBICIDES.....	
ARSENIC.....	136.7-155.5
MERCURY.....	
LEAD.....	72.9-144.5
METALS.....	2.7-43.8

(Key # 14)

CHEMISTRY DATA - SURFACE SOIL

REPORT NUMBER: 2 , SITE NUMBER: 02.09.01, REPORT DATE: 12/01/90
REPORT TITLE: FINAL REPORT ILLINOIS STREET AND MINNIE STREET CONNECTOR, HA
SAMPLE #? SS-21 SAMPLING DATE? 08/29/90 USGS #?

CONTAMINANTS	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	3450
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	<0.10-0.80
BENZENE.....	
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	
TOTAL BTEX SUM.....	
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	62.0
MERCURY.....	
LEAD.....	39.3
METALS.....	1.5-24.8

Alaska DNR, Div. of Mining & Water Management
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(Key # 16)

SITE REPORT

REPORT NUMBER: 2 , SITE NUMBER: 02.09.02, REPORT DATE: 12/01/90
REPORT TITLE: FINAL REPORT ILLINOIS STREET AND MINNIE STREET CONNECTOR, HA
REPORT BY: SHANNON & WILSON, INC.
REPORT LOCATION: CITY STREETS-OIL AVENUE
PRIOR OWNERSHIP: NOT MENTIONED
WATER LEVELS ONLY: N
NUMBER OF WELLS: 0
NUMBER OF BORINGS: 0
NUMBER OF SURFACE SAMPLES: 2
NUMBER OF GROUNDWATER LEVELS: 0
PERMAFROST: NOT MENTIONED
SURVEYED: N, MAPS: Y, PHOTOS: N
TYPES OF POTENTIAL SOURCES:
TYPES OF POTENTIAL CONTAMINANTS:
REPORT INCLUDES SUBSURFACE SOIL CHEMISTRY DATA: N
REPORT INCLUDES SURFICIAL SOIL CHEMISTRY DATA: Y
REPORT INCLUDES GROUNDWATER CHEMISTRY DATA: N
REPORT INCLUDES BULK EXCAVATION DATA: N
REPORT INCLUDES INTERPRETATIVE HYDROLOGY: N
REPORT INCLUDES QUALITY ASSURANCE PROCEDURES: Y, SURFACE STAINS: U
STAINED SOILS: U
OILY SOIL ODOR: U
SHEEN ON WATER: U
FLOATING PRODUCT: U

REVIEWER: MARY MAURER

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 16)

CHEMISTRY DATA - SURFACE SOIL

REPORT NUMBER: 2 , SITE NUMBER: 02.09.02, REPORT DATE: 12/01/90
REPORT TITLE: FINAL REPORT ILLINOIS STREET AND MINNIE STREET CONNECTOR, HA
SAMPLE #? SS-39 SAMPLING DATE? 08/30/90 USGS #?

CONTAMINANTS	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	1180
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	<0.01-0.06
BENZENE.....	
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	
TOTAL BTEX SUM.....	
PCB'S.....	<0.1-<0.1
HERBICIDES.....	
ARSENIC.....	32.1
MERCURY.....	
LEAD.....	37.2
METALS.....	0.6-13.4

(Key # 16)

CHEMISTRY DATA - SURFACE SOIL

REPORT NUMBER: 2 , SITE NUMBER: 02.09.02, REPORT DATE: 12/01/90
REPORT TITLE: FINAL REPORT ILLINOIS STREET AND MINNIE STREET CONNECTOR, HA
SAMPLE #? SS-40 SAMPLING DATE? 08/30/90 USGS #?

CONTAMINANTS	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	488
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	<0.01-<0.12
BENZENE.....	
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	
TOTAL BTEX SUM.....	
PCB'S.....	<0.1-<0.1
HERBICIDES.....	
ARSENIC.....	25.7
MERCURY.....	
LEAD.....	35.3
METALS.....	0.5-11.2

Alaska DNR, Div. of Mining & Water Management
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(Key # 15)

SITE REPORT

REPORT NUMBER: 2 , SITE NUMBER: 02.09.03, REPORT DATE: 12/01/90
REPORT TITLE: FINAL REPORT ILLINOIS STREET AND MINNIE STREET CONNECTOR, HA
REPORT BY: SHANNON & WILSON, INC.
REPORT LOCATION: CITY STREETS-CHARLES STREET
PRIOR OWNERSHIP: NOT MENTIONED
WATER LEVELS ONLY: N
NUMBER OF WELLS: 0
NUMBER OF BORINGS: 0
NUMBER OF SURFACE SAMPLES: 1
NUMBER OF GROUNDWATER LEVELS: 0
PERMAFROST: NOT MENTIONED
SURVEYED: N, MAPS: Y, PHOTOS: N
TYPES OF POTENTIAL SOURCES:
TYPES OF POTENTIAL CONTAMINANTS:
REPORT INCLUDES SUBSURFACE SOIL CHEMISTRY DATA: N
REPORT INCLUDES SURFICIAL SOIL CHEMISTRY DATA: Y
REPORT INCLUDES GROUNDWATER CHEMISTRY DATA: N
REPORT INCLUDES BULK EXCAVATION DATA: N
REPORT INCLUDES INTERPRETATIVE HYDROLOGY: N
REPORT INCLUDES QUALITY ASSURANCE PROCEDURES: Y,
SURFACE STAINS: U
STAINED SOILS: U
OILY SOIL ODOR: U
SHEEN ON WATER: U
FLOATING PRODUCT: U
REVIEWER: MARY MAURER

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 15)

CHEMISTRY DATA - SURFACE SOIL

REPORT NUMBER: 2 , SITE NUMBER: 02.09.03, REPORT DATE: 12/01/90
REPORT TITLE: FINAL REPORT ILLINOIS STREET AND MINNIE STREET CONNECTOR, HA
SAMPLE #? SS-37 SAMPLING DATE? 08/30/90 USGS #?
CONTAMINANTS

VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	270
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	<0.01-0.28
BENZENE.....	
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	
TOTAL BTEX SUM.....	
PCB'S.....	<0.1-<0.1
HERBICIDES.....	
ARSENIC.....	37.4
MERCURY.....	
LEAD.....	18.1
METALS.....	0.8-15.5

Alaska DNR, Div. of Mining & Water Management
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(Key # 42)

SITE REPORT

REPORT NUMBER: 24 , SITE NUMBER: 24.09.04, REPORT DATE: 11/07/91
REPORT TITLE: CONTAMINATED SOIL REMOVAL, ILLINOIS STREET RIGHT OF WAY, FAI
REPORT BY: SHANNON & WILSON, INC.
REPORT LOCATION: CITY STREETS-ILLINOIS STREET
PRIOR OWNERSHIP: SERVICE STATION (OWNER NOT MENTIONED)
WATER LEVELS ONLY: N
NUMBER OF WELLS: 0
NUMBER OF BORINGS: 0
NUMBER OF SURFACE SAMPLES: 0
NUMBER OF GROUNDWATER LEVELS: 0
PERMAFROST: NOT MENTIONED
SURVEYED: N, MAPS: Y, PHOTOS: N
TYPES OF POTENTIAL SOURCES: F
TYPES OF POTENTIAL CONTAMINANTS: G,W,S
REPORT INCLUDES SUBSURFACE SOIL CHEMISTRY DATA: N
REPORT INCLUDES SURFICIAL SOIL CHEMISTRY DATA: N
REPORT INCLUDES GROUNDWATER CHEMISTRY DATA: N
REPORT INCLUDES BULK EXCAVATION DATA: Y
REPORT INCLUDES INTERPRETATIVE HYDROLOGY: N
REPORT INCLUDES QUALITY ASSURANCE PROCEDURES: Y, SURFACE STAINS: U
STAINED SOILS: N
OILY SOIL ODOR: U
SHEEN ON WATER: N
FLOATING PRODUCT: U
REVIEWER: MARY MAURER

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 42)

CHEMISTRY DATA - EXCAVATED SOILS

REPORT NUMBER: 24 , SITE NUMBER: 24.09.04, REPORT DATE: 11/07/91
REPORT TITLE: CONTAMINATED SOIL REMOVAL, ILLINOIS STREET RIGHT OF WAY, FAI
SAMPLE #? 1 SAMPLING DATE? 09/08/91 USGS #?
CONTAMINANTS

CONTAMINANTS	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	7.72
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	<0.02-<0.02
BENZENE.....	<0.02-<0.02
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.02-0.527
TOTAL BTEX SUM.....	0.991
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

(Key # 42)

CHEMISTRY DATA - EXCAVATED SOILS

REPORT NUMBER: 24 , SITE NUMBER: 24.09.04, REPORT DATE: 11/07/91
REPORT TITLE: CONTAMINATED SOIL REMOVAL, ILLINOIS STREET RIGHT OF WAY, FAI
SAMPLE #? 2 SAMPLING DATE? 09/08/91 USGS #?
CONTAMINANTS

CONTAMINANTS	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	0.548
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	<0.02-<0.02
BENZENE.....	<0.02
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.02-<0.02
TOTAL BTEX SUM.....	<0.020
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

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CHEMISTRY DATA - EXCAVATED SOILS

REPORT NUMBER: 24 , SITE NUMBER: 24.09.04, REPORT DATE: 11/07/91
REPORT TITLE: CONTAMINATED SOIL REMOVAL, ILLINOIS STREET RIGHT OF WAY, FAI
SAMPLE #? 3 SAMPLING DATE? 09/08/91 USGS #?
CONTAMINANTS

VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	0.793
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	<0.02-<0.02
BENZENE.....	<0.02
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.02-<0.02
TOTAL BTEX SUM.....	<0.020
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

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CHEMISTRY DATA - EXCAVATED SOILS

REPORT NUMBER: 24 , SITE NUMBER: 24.09.04, REPORT DATE: 11/07/91
REPORT TITLE: CONTAMINATED SOIL REMOVAL, ILLINOIS STREET RIGHT OF WAY, FAI
SAMPLE #? 4 SAMPLING DATE? 09/08/91 USGS #?
CONTAMINANTS

VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	<0.400
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	<0.02-<0.02
BENZENE.....	<0.02
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.02-<0.02
TOTAL BTEX SUM.....	<0.020
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

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CHEMISTRY DATA - EXCAVATED SOILS

REPORT NUMBER: 24 , SITE NUMBER: 24.09.04, REPORT DATE: 11/07/91
REPORT TITLE: CONTAMINATED SOIL REMOVAL, ILLINOIS STREET RIGHT OF WAY, FAI
SAMPLE #? 5 SAMPLING DATE? 09/08/91 USGS #?
CONTAMINANTS

VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	<0.400
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	<0.02-<0.02
BENZENE.....	<0.02
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.02-<0.02
TOTAL BTEX SUM.....	<0.020
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

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CHEMISTRY DATA - EXCAVATED SOILS

REPORT NUMBER: 24 , SITE NUMBER: 24.09.04, REPORT DATE: 11/07/91
REPORT TITLE: CONTAMINATED SOIL REMOVAL, ILLINOIS STREET RIGHT OF WAY, FAI
SAMPLE #? 6 SAMPLING DATE? 09/08/91 USGS #?
CONTAMINANTS

VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	0.589
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	<0.02-<0.02
BENZENE.....	<0.02
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.02-<0.02
TOTAL BTEX SUM.....	<0.020
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

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CHEMISTRY DATA - EXCAVATED SOILS

REPORT NUMBER: 24 , SITE NUMBER: 24.09.04, REPORT DATE: 11/07/91
REPORT TITLE: CONTAMINATED SOIL REMOVAL, ILLINOIS STREET RIGHT OF WAY, FAI
SAMPLE #? 8 SAMPLING DATE? 09/09/91 USGS #?
CONTAMINANTS

CONTAMINANTS	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	<0.400
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	<0.02-<0.02
BENZENE.....	<0.02
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.02-<0.02
TOTAL BTEX SUM.....	<0.020
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

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CHEMISTRY DATA - EXCAVATED SOILS

REPORT NUMBER: 24 , SITE NUMBER: 24.09.04, REPORT DATE: 11/07/91
REPORT TITLE: CONTAMINATED SOIL REMOVAL, ILLINOIS STREET RIGHT OF WAY, FAI
SAMPLE #? 9 SAMPLING DATE? 09/09/91 USGS #?
CONTAMINANTS

CONTAMINANTS	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	<0.40-<0.40
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	<0.02-<0.02
BENZENE.....	<0.02-<0.02
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.02-<0.02
TOTAL BTEX SUM.....	<0.02-<0.02
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

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CHEMISTRY DATA - EXCAVATED SOILS

REPORT NUMBER: 24 , SITE NUMBER: 24.09.04, REPORT DATE: 11/07/91
REPORT TITLE: CONTAMINATED SOIL REMOVAL, ILLINOIS STREET RIGHT OF WAY, FAI
SAMPLE #? 11 SAMPLING DATE? 09/09/91 USGS #?
CONTAMINANTS

VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	<0.400
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	<0.02-<0.02
BENZENE.....	<0.02
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.02-<0.02
TOTAL BTEX SUM.....	<0.020
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

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CHEMISTRY DATA - EXCAVATED SOILS

REPORT NUMBER: 24 , SITE NUMBER: 24.09.04, REPORT DATE: 11/07/91
REPORT TITLE: CONTAMINATED SOIL REMOVAL, ILLINOIS STREET RIGHT OF WAY, FAI
SAMPLE #? 12 SAMPLING DATE? 09/09/91 USGS #?
CONTAMINANTS

VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	<0.400
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	<0.02-<0.02
BENZENE.....	<0.02
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.02-<0.02
TOTAL BTEX SUM.....	<0.020
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

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CHEMISTRY DATA - EXCAVATED SOILS

REPORT NUMBER: 24 , SITE NUMBER: 24.09.04, REPORT DATE: 11/07/91
REPORT TITLE: CONTAMINATED SOIL REMOVAL, ILLINOIS STREET RIGHT OF WAY, FAI
SAMPLE #? 13 SAMPLING DATE? 09/09/91 USGS #?
CONTAMINANTS

VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	<0.400
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	<0.02-<0.02
BENZENE.....	<0.02
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.02-<0.02
TOTAL BTEX SUM.....	<0.020
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

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CHEMISTRY DATA - EXCAVATED SOILS

REPORT NUMBER: 24 , SITE NUMBER: 24.09.04, REPORT DATE: 11/07/91
REPORT TITLE: CONTAMINATED SOIL REMOVAL, ILLINOIS STREET RIGHT OF WAY, FAI
SAMPLE #? 14 SAMPLING DATE? 09/09/91 USGS #?
CONTAMINANTS

VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	0.776-1.51
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	<0.02-<0.02
BENZENE.....	<0.02-<0.02
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.02-0.128
TOTAL BTEX SUM.....	0.115-0.214
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

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CHEMISTRY DATA - EXCAVATED SOILS

REPORT NUMBER: 24 , SITE NUMBER: 24.09.04, REPORT DATE: 11/07/91
REPORT TITLE: CONTAMINATED SOIL REMOVAL, ILLINOIS STREET RIGHT OF WAY, FAI
SAMPLE #? 15 SAMPLING DATE? 09/09/91 USGS #?

CONTAMINANTS	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	<0.400
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	<0.02-<0.02
BENZENE.....	<0.02
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.02-<0.02
TOTAL BTEX SUM.....	<0.020
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

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CHEMISTRY DATA - EXCAVATED SOILS

REPORT NUMBER: 24 , SITE NUMBER: 24.09.04, REPORT DATE: 11/07/91
REPORT TITLE: CONTAMINATED SOIL REMOVAL, ILLINOIS STREET RIGHT OF WAY, FAI
SAMPLE #? 16 SAMPLING DATE? 09/09/91 USGS #?

CONTAMINANTS	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	<0.400
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	<0.02-<0.02
BENZENE.....	<0.02
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.02-<0.02
TOTAL BTEX SUM.....	<0.020
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

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CHEMISTRY DATA - EXCAVATED SOILS

REPORT NUMBER: 24 , SITE NUMBER: 24.09.04, REPORT DATE: 11/07/91
REPORT TITLE: CONTAMINATED SOIL REMOVAL, ILLINOIS STREET RIGHT OF WAY, FAI
SAMPLE #? 17 SAMPLING DATE? 09/09/91 USGS #?
CONTAMINANTS VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	<0.400
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	<0.02-<0.02
BENZENE.....	<0.02
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.02-<0.02
TOTAL BTEX SUM.....	<0.020
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

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CHEMISTRY DATA - EXCAVATED SOILS

REPORT NUMBER: 24 , SITE NUMBER: 24.09.04, REPORT DATE: 11/07/91
REPORT TITLE: CONTAMINATED SOIL REMOVAL, ILLINOIS STREET RIGHT OF WAY, FAI
SAMPLE #? 19 SAMPLING DATE? 09/09/91 USGS #?
CONTAMINANTS VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	3.69
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	<0.02-<0.02
BENZENE.....	<0.02
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.02-<0.02
TOTAL BTEX SUM.....	<0.020
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

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CHEMISTRY DATA - EXCAVATED SOILS

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REPORT TITLE: CONTAMINATED SOIL REMOVAL, ILLINOIS STREET RIGHT OF WAY, FAI
SAMPLE #? 20 SAMPLING DATE? 09/09/91 USGS #?
CONTAMINANTS

	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	3.86
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	<0.02-<0.02
BENZENE.....	<0.02
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.02-0.02
TOTAL BTEX SUM.....	<0.020
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

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CHEMISTRY DATA - EXCAVATED SOILS

REPORT NUMBER: 24 , SITE NUMBER: 24.09.04, REPORT DATE: 11/07/91
REPORT TITLE: CONTAMINATED SOIL REMOVAL, ILLINOIS STREET RIGHT OF WAY, FAI
SAMPLE #? SP1 SAMPLING DATE? 09/11/91 USGS #?
CONTAMINANTS

	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	70.1
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	<0.02-<0.02
BENZENE.....	0.122
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.02-7.25
TOTAL BTEX SUM.....	13.875
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

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CHEMISTRY DATA - EXCAVATED SOILS

REPORT NUMBER: 24 , SITE NUMBER: 24.09.04, REPORT DATE: 11/07/91
REPORT TITLE: CONTAMINATED SOIL REMOVAL, ILLINOIS STREET RIGHT OF WAY, FAI
SAMPLE #? SP2 SAMPLING DATE? 09/11/91 USGS #?
CONTAMINANTS

VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	30.1
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	<0.02-0.047
BENZENE.....	0.143
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.02-4.60
TOTAL BTEX SUM.....	9.812
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

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CHEMISTRY DATA - EXCAVATED SOILS

REPORT NUMBER: 24 , SITE NUMBER: 24.09.04, REPORT DATE: 11/07/91
REPORT TITLE: CONTAMINATED SOIL REMOVAL, ILLINOIS STREET RIGHT OF WAY, FAI
SAMPLE #? SP3 SAMPLING DATE? 09/11/91 USGS #?
CONTAMINANTS

VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	41.3
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	<0.02-0.035
BENZENE.....	0.313
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.02-1.93
TOTAL BTEX SUM.....	4.734
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

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CHEMISTRY DATA - EXCAVATED SOILS

REPORT NUMBER: 24 , SITE NUMBER: 24.09.04, REPORT DATE: 11/07/91
REPORT TITLE: CONTAMINATED SOIL REMOVAL, ILLINOIS STREET RIGHT OF WAY, FAI
SAMPLE #? SP4 SAMPLING DATE? 09/11/91 USGS #?
CONTAMINANTS

	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	8.57
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	<0.025-0.141
BENZENE.....	0.064
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.025-0.493
TOTAL BTEX SUM.....	1.165
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

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CHEMISTRY DATA - EXCAVATED SOILS

REPORT NUMBER: 24 , SITE NUMBER: 24.09.04, REPORT DATE: 11/07/91
REPORT TITLE: CONTAMINATED SOIL REMOVAL, ILLINOIS STREET RIGHT OF WAY, FAI
SAMPLE #? SP5 SAMPLING DATE? 09/11/91 USGS #?
CONTAMINANTS

	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	8.34
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	<0.02-0.054
BENZENE.....	0.190
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.02-9.86
TOTAL BTEX SUM.....	22.945
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

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CHEMISTRY DATA - EXCAVATED SOILS

REPORT NUMBER: 24 , SITE NUMBER: 24.09.04, REPORT DATE: 11/07/91
REPORT TITLE: CONTAMINATED SOIL REMOVAL, ILLINOIS STREET RIGHT OF WAY, FAI
SAMPLE #? SP6 SAMPLING DATE? 09/11/91 USGS #?
CONTAMINANTS

	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	6.25
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	<0.025-0.069
BENZENE.....	0.043
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.025-0.681
TOTAL BTEX SUM.....	1.469
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

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CHEMISTRY DATA - EXCAVATED SOILS

REPORT NUMBER: 24 , SITE NUMBER: 24.09.04, REPORT DATE: 11/07/91
REPORT TITLE: CONTAMINATED SOIL REMOVAL, ILLINOIS STREET RIGHT OF WAY, FAI
SAMPLE #? SP7 SAMPLING DATE? 09/11/91 USGS #?
CONTAMINANTS

	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	13.2
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	<0.025-0.296
BENZENE.....	0.044
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.025-0.875
TOTAL BTEX SUM.....	1.909
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

Alaska DNR, Div. of Mining & Water Management
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(Key # 42)

CHEMISTRY DATA - EXCAVATED SOILS

REPORT NUMBER: 24 , SITE NUMBER: 24.09.04, REPORT DATE: 11/07/91
REPORT TITLE: CONTAMINATED SOIL REMOVAL, ILLINOIS STREET RIGHT OF WAY, FAI
SAMPLE #? SP9 SAMPLING DATE? 09/11/90 USGS #?
CONTAMINANTS

CONTAMINANTS	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	6.14
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	<0.025-0.106
BENZENE.....	0.045
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.025-0.608
TOTAL BTEX SUM.....	1.294
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

(Key # 42)

CHEMISTRY DATA - EXCAVATED SOILS

REPORT NUMBER: 24 , SITE NUMBER: 24.09.04, REPORT DATE: 11/07/91
REPORT TITLE: CONTAMINATED SOIL REMOVAL, ILLINOIS STREET RIGHT OF WAY, FAI
SAMPLE #? SP10 SAMPLING DATE? 09/11/91 USGS #?
CONTAMINANTS

CONTAMINANTS	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	10.7
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	<0.020-0.142
BENZENE.....	0.085
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.020-0.862
TOTAL BTEX SUM.....	1.850
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

Alaska DNR, Div. of Mining & Water Management
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(Key # 42)

CHEMISTRY DATA - EXCAVATED SOILS

REPORT NUMBER: 24 , SITE NUMBER: 24.09.04, REPORT DATE: 11/07/91
REPORT TITLE: CONTAMINATED SOIL REMOVAL, ILLINOIS STREET RIGHT OF WAY, FAI
SAMPLE #? SP11 SAMPLING DATE? 09/11/91 USGS #?
CONTAMINANTS

	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	16.1
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	<0.020-0.093
BENZENE.....	0.117
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.020-1.75
TOTAL BTEX SUM.....	3.629
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

(Key # 42)

CHEMISTRY DATA - EXCAVATED SOILS

REPORT NUMBER: 24 , SITE NUMBER: 24.09.04, REPORT DATE: 11/07/91
REPORT TITLE: CONTAMINATED SOIL REMOVAL, ILLINOIS STREET RIGHT OF WAY, FAI
SAMPLE #? SP11 SAMPLING DATE? 09/11/91 USGS #?
CONTAMINANTS

	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	28.0
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	<0.02-<0.02
BENZENE.....	0.142
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.020-3.04
TOTAL BTEX SUM.....	6.255
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

Alaska DNR, Div. of Mining & Water Management
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(Key # 42)

CHEMISTRY DATA - EXCAVATED SOILS

REPORT NUMBER: 24 , SITE NUMBER: 24.09.04, REPORT DATE: 11/07/91
REPORT TITLE: CONTAMINATED SOIL REMOVAL, ILLINOIS STREET RIGHT OF WAY, FAI
SAMPLE #? SP13 SAMPLING DATE? 09/11/91 USGS #?
CONTAMINANTS

CONTAMINANTS	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	31.1
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	<0.020-0.029
BENZENE.....	0.134
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.020-5.76
TOTAL BTEX SUM.....	11.169
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

(Key # 42)

CHEMISTRY DATA - EXCAVATED SOILS

REPORT NUMBER: 24 , SITE NUMBER: 24.09.04, REPORT DATE: 11/07/91
REPORT TITLE: CONTAMINATED SOIL REMOVAL, ILLINOIS STREET RIGHT OF WAY, FAI
SAMPLE #? SP14 SAMPLING DATE? 09/11/91 USGS #?
CONTAMINANTS

CONTAMINANTS	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	17.4
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	<0.020-0.022
BENZENE.....	0.248
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.020-1.85
TOTAL BTEX SUM.....	3.950
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

Alaska DNR, Div. of Mining & Water Management
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(Key # 42)

CHEMISTRY DATA - EXCAVATED SOILS

REPORT NUMBER: 24 , SITE NUMBER: 24.09.04, REPORT DATE: 11/07/91
REPORT TITLE: CONTAMINATED SOIL REMOVAL, ILLINOIS STREET RIGHT OF WAY, FAI
SAMPLE #? SP15 SAMPLING DATE? 09/11/90 USGS #?
CONTAMINANTS

	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	26.0
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	<0.020-0.025
BENZENE.....	0.184
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.020-3.58
TOTAL BTEX SUM.....	7.434
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

(Key # 42)

CHEMISTRY DATA - EXCAVATED SOILS

REPORT NUMBER: 24 , SITE NUMBER: 24.09.04, REPORT DATE: 11/07/91
REPORT TITLE: CONTAMINATED SOIL REMOVAL, ILLINOIS STREET RIGHT OF WAY, FAI
SAMPLE #? SP16 SAMPLING DATE? 09/11/91 USGS #?
CONTAMINANTS

	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	64.3
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	<0.020-0.042
BENZENE.....	0.194
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.020-10.0
TOTAL BTEX SUM.....	20.704
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

Alaska DNR, Div. of Mining & Water Management
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(Key # 43)

SITE REPORT

REPORT NUMBER: 25 , SITE NUMBER: 25.09.04, REPORT DATE: 08/01/91
REPORT TITLE: PROJECT WORK PLANS ILLINOIS STREET CONTAMINATED SOIL REMOVAL
REPORT BY: SHANNON & WILSON, INC.
REPORT LOCATION: CITY STREETS-ILLINOIS STREET
PRIOR OWNERSHIP: NOT MENTIONED
WATER LEVELS ONLY: N
NUMBER OF WELLS: 0
NUMBER OF BORINGS: 0
NUMBER OF SURFACE SAMPLES: 0
NUMBER OF GROUNDWATER LEVELS: 0
PERMAFROST: NOT MENTIONED
SURVEYED: N, MAPS: Y, PHOTOS: N
TYPES OF POTENTIAL SOURCES:
TYPES OF POTENTIAL CONTAMINANTS: G,D,S
REPORT INCLUDES SUBSURFACE SOIL CHEMISTRY DATA: N
REPORT INCLUDES SURFICIAL SOIL CHEMISTRY DATA: N
REPORT INCLUDES GROUNDWATER CHEMISTRY DATA: N
REPORT INCLUDES BULK EXCAVATION DATA: N
REPORT INCLUDES INTERPRETATIVE HYDROLOGY: N
REPORT INCLUDES QUALITY ASSURANCE PROCEDURES: N,
SURFACE STAINS: U
STAINED SOILS: U
OILY SOIL ODOR: U
SHEEN ON WATER: U
FLOATING PRODUCT: U
REVIEWER: MARY MAURER

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 70)

SITE REPORT

REPORT NUMBER: 48 , SITE NUMBER: 48.09.04, REPORT DATE: 11/01/90
REPORT TITLE: HISTORICAL RESOURCES ALONG ILLINOIS STREET. FAIRBANKS ALASKA
REPORT BY: UAF DEPT OF ANTHROPOLOGY
REPORT LOCATION: ILLINOIS STREET
PRIOR OWNERSHIP: VARIOUS
WATER LEVELS ONLY: N
NUMBER OF WELLS: 0
NUMBER OF BORINGS: 0
NUMBER OF SURFACE SAMPLES: 0
NUMBER OF GROUNDWATER LEVELS: 0
PERMAFROST: NOT MENTIONED
SURVEYED: N, MAPS: Y, PHOTOS: Y
TYPES OF POTENTIAL SOURCES: 0
TYPES OF POTENTIAL CONTAMINANTS: 0
REPORT INCLUDES SUBSURFACE SOIL CHEMISTRY DATA: N
REPORT INCLUDES SURFICIAL SOIL CHEMISTRY DATA: N
REPORT INCLUDES GROUNDWATER CHEMISTRY DATA: N
REPORT INCLUDES BULK EXCAVATION DATA: N
REPORT INCLUDES INTERPRETATIVE HYDROLOGY: N
REPORT INCLUDES QUALITY ASSURANCE PROCEDURES: N,
SURFACE STAINS: U
STAINED SOILS: U
OILY SOIL ODOR: U
SHEEN ON WATER: U
FLOATING PRODUCT: U
REVIEWER: JIM VOHDEN

Alaska DNR, Div. of Mining & Water Management
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(Key # 66)

SITE REPORT

REPORT NUMBER: 43 , SITE NUMBER: 43.09.05, REPORT DATE: 03/23/67
REPORT TITLE: MATERIALS REPORT COLLEGE ROAD PROJECT NO. F-037-1(20) FAIRBA
REPORT BY: STATE OF AK DEPT OF HIGHW
REPORT LOCATION: COLLEGE ROAD
PRIOR OWNERSHIP: NONE MENTIONED
WATER LEVELS ONLY: N
NUMBER OF WELLS: 0
NUMBER OF BORINGS: 0
NUMBER OF SURFACE SAMPLES: 0
NUMBER OF GROUNDWATER LEVELS: 0
PERMAFROST: NOT MENTIONED
SURVEYED: N, MAPS: N, PHOTOS: N
TYPES OF POTENTIAL SOURCES:
TYPES OF POTENTIAL CONTAMINANTS:
REPORT INCLUDES SUBSURFACE SOIL CHEMISTRY DATA: N
REPORT INCLUDES SURFICIAL SOIL CHEMISTRY DATA: N
REPORT INCLUDES GROUNDWATER CHEMISTRY DATA: N
REPORT INCLUDES BULK EXCAVATION DATA: N
REPORT INCLUDES INTERPRETATIVE HYDROLOGY: N
REPORT INCLUDES QUALITY ASSURANCE PROCEDURES: N,
SURFACE STAINS: U
STAINED SOILS: U
OILY SOIL ODOR: U
SHEEN ON WATER: U
FLOATING PRODUCT: U
REVIEWER: JIM VOHDEN

Alaska DNR, Div. of Mining & Water Management
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(Key # 82)

SITE REPORT

REPORT NUMBER: 74 , SITE NUMBER: 74.09.06, REPORT DATE: 03/01/94
REPORT TITLE: WORK PLAN PRELIMINARY SITE INVESTIGATION PHILLIPS FIELD ROAD
REPORT BY: SHANNON & WILSON, INC.
REPORT LOCATION: CITY STREETS-PHILLIPS FIELD RD
PRIOR OWNERSHIP: NOT MENTIONED
WATER LEVELS ONLY: N
NUMBER OF WELLS: 0
NUMBER OF BORINGS: 0
NUMBER OF SURFACE SAMPLES: 0
NUMBER OF GROUNDWATER LEVELS: 0
PERMAFROST: NOT MENTIONED
SURVEYED: N, MAPS: Y, PHOTOS: N
TYPES OF POTENTIAL SOURCES:
TYPES OF POTENTIAL CONTAMINANTS:
REPORT INCLUDES SUBSURFACE SOIL CHEMISTRY DATA: N
REPORT INCLUDES SURFICIAL SOIL CHEMISTRY DATA: N
REPORT INCLUDES GROUNDWATER CHEMISTRY DATA: N
REPORT INCLUDES BULK EXCAVATION DATA: N
REPORT INCLUDES INTERPRETATIVE HYDROLOGY: Y
REPORT INCLUDES QUALITY ASSURANCE PROCEDURES: N,
SURFACE STAINS: U
STAINED SOILS: U
OILY SOIL ODOR: U
SHEEN ON WATER: U
FLOATING PRODUCT: U
REVIEWER: MARY MAURER

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 5)

SITE REPORT

REPORT NUMBER: 2 , SITE NUMBER: 02.10.00, REPORT DATE: 12/01/90
REPORT TITLE: FINAL REPORT ILLINOIS STREET AND MINNIE STREET CONNECTOR, HA
REPORT BY: SHANNON & WILSON, INC.
REPORT LOCATION: ALASKA CHEVRON
PRIOR OWNERSHIP: NOT MENTIONED
WATER LEVELS ONLY: N
NUMBER OF WELLS: 1
NUMBER OF BORINGS: 2
NUMBER OF SURFACE SAMPLES: 0
NUMBER OF GROUNDWATER LEVELS: 5
PERMAFROST: NOT MENTIONED
SURVEYED: N, MAPS: Y, PHOTOS: N
TYPES OF POTENTIAL SOURCES:
TYPES OF POTENTIAL CONTAMINANTS:
REPORT INCLUDES SUBSURFACE SOIL CHEMISTRY DATA: Y
REPORT INCLUDES SURFICIAL SOIL CHEMISTRY DATA: N
REPORT INCLUDES GROUNDWATER CHEMISTRY DATA: Y
REPORT INCLUDES BULK EXCAVATION DATA: N
REPORT INCLUDES INTERPRETATIVE HYDROLOGY: N
REPORT INCLUDES QUALITY ASSURANCE PROCEDURES: Y,
SURFACE STAINS: U
STAINED SOILS: U
OILY SOIL ODOR: Y
SHEEN ON WATER: Y
FLOATING PRODUCT: U
REVIEWER: MARY MAURER

Alaska DNR, Div. of Mining & Water Management
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(Key # 5)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 2 , SITE NUMBER: 02.10.00, REPORT DATE: 12/01/90
REPORT TITLE: FINAL REPORT ILLINOIS STREET AND MINNIE STREET CONNECTOR, HA
SAMPLE #? GW-128 SAMPLING DATE? 08/17/90 USGS #? AR2
CONTAMINANTS

VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	<1-2
EPH = TPH, DIESEL (8100).....	<1-<1
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	<0.01-0.04
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.01-0.26
TOTAL BTEX SUM.....	0.13-0.52
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

(Key # 5)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 2 , SITE NUMBER: 02.10.00, REPORT DATE: 12/01/90
REPORT TITLE: FINAL REPORT ILLINOIS STREET AND MINNIE STREET CONNECTOR, HA
SAMPLE #? SB-129 SAMPLING DATE? 08/18/90 USGS #? ARB4
CONTAMINANTS

VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	<1-24
EPH = TPH, DIESEL (8100).....	<1-<1
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	<0.01-0.29
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.01-4.7
TOTAL BTEX SUM.....	0.09-8.04
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

Alaska DNR, Div. of Mining & Water Management
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(Key # 5)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 2 , SITE NUMBER: 02.10.00, REPORT DATE: 12/01/90
REPORT TITLE: FINAL REPORT ILLINOIS STREET AND MINNIE STREET CONNECTOR, HA
SAMPLE #? SB-130 SAMPLING DATE? 08/18/90 USGS #? ARB2
CONTAMINANTS

VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	<1-360
EPH = TPH, DIESEL (8100).....	<1-<125
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	<0.01-<0.50
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.01-80
TOTAL BTEX SUM.....	0.25-108
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

(Key # 5)

CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 2 , SITE NUMBER: 02.10.00, REPORT DATE: 12/01/90
REPORT TITLE: FINAL REPORT ILLINOIS STREET AND MINNIE STREET CONNECTOR, HA
SAMPLE #? GW-128 SAMPLING DATE? 08/17/90 USGS #? AR2
CONTAMINANTS

VALUES -PPB

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
PURGEABLE HALOCARBONS (601).....	<0.2-27
BENZENE.....	8200
PURGEABLE AROMATICS, BTEX (602).....	<0.2-20000
TOTAL BTEX SUM.....	37400
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

Alaska DNR, Div. of Mining & Water Management
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(Key # 40)

SITE REPORT

REPORT NUMBER: 16 , SITE NUMBER: 16.10.00, REPORT DATE: 01/01/92
REPORT TITLE: ALASKA CHEVRON, SITE CHARACTERIZATION WORK PLAN, FAIRBANKS,
REPORT BY: ALASKA PETROLEUM ENV. ENG
REPORT LOCATION: ALASKA CHEVRON
PRIOR OWNERSHIP: NOT MENTIONED
WATER LEVELS ONLY: N
NUMBER OF WELLS: 0
NUMBER OF BORINGS: 0
NUMBER OF SURFACE SAMPLES: 0
NUMBER OF GROUNDWATER LEVELS: 0
PERMAFROST: NOT MENTIONED
SURVEYED: N, MAPS: Y, PHOTOS: N
TYPES OF POTENTIAL SOURCES:
TYPES OF POTENTIAL CONTAMINANTS:
REPORT INCLUDES SUBSURFACE SOIL CHEMISTRY DATA: N
REPORT INCLUDES SURFICIAL SOIL CHEMISTRY DATA: N
REPORT INCLUDES GROUNDWATER CHEMISTRY DATA: N
REPORT INCLUDES BULK EXCAVATION DATA: N
REPORT INCLUDES INTERPRETATIVE HYDROLOGY: N
REPORT INCLUDES QUALITY ASSURANCE PROCEDURES: N,
SURFACE STAINS: U
STAINED SOILS: U
OILY SOIL ODOR: U
SHEEN ON WATER: U
FLOATING PRODUCT: Y
REVIEWER: MARY MAURER

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 2)

SITE REPORT

REPORT NUMBER: 23 , SITE NUMBER: 23.10.00, REPORT DATE: 05/22/89
REPORT TITLE: SOIL CONTAMINATION INVESTIGATION, GEIST ROAD EXTENSION: ILLI
REPORT BY: SHANNON & WILSON, INC.
REPORT LOCATION: ALASKA CHEVRON
PRIOR OWNERSHIP: NOT MENTIONED
WATER LEVELS ONLY: N
NUMBER OF WELLS: 2
NUMBER OF BORINGS: 2
NUMBER OF SURFACE SAMPLES: 0
NUMBER OF GROUNDWATER LEVELS: 8
PERMAFROST: NOT MENTIONED
SURVEYED: N, MAPS: Y, PHOTOS: N
TYPES OF POTENTIAL SOURCES: P
TYPES OF POTENTIAL CONTAMINANTS: S
REPORT INCLUDES SUBSURFACE SOIL CHEMISTRY DATA: Y
REPORT INCLUDES SURFICIAL SOIL CHEMISTRY DATA: N
REPORT INCLUDES GROUNDWATER CHEMISTRY DATA: N
REPORT INCLUDES BULK EXCAVATION DATA: N
REPORT INCLUDES INTERPRETATIVE HYDROLOGY: N
REPORT INCLUDES QUALITY ASSURANCE PROCEDURES: Y,
SURFACE STAINS: U
STAINED SOILS: U
OILY SOIL ODOR: Y
SHEEN ON WATER: Y
FLOATING PRODUCT: Y
REVIEWER: MARY MAURER

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 2)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 23 , SITE NUMBER: 23.10.00, REPORT DATE: 05/22/89
REPORT TITLE: SOIL CONTAMINATION INVESTIGATION, GEIST ROAD EXTENSION: ILLI
SAMPLE #? B-9 SAMPLING DATE? 04/20/89 USGS #? AR32
CONTAMINANTS VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	<26.4-<38.7
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	<0.1-1.3
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.1-30
TOTAL BTEX SUM.....	<0.1-50.5
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

(Key # 2)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 23 , SITE NUMBER: 23.10.00, REPORT DATE: 05/22/89
REPORT TITLE: SOIL CONTAMINATION INVESTIGATION, GEIST ROAD EXTENSION: ILLI
SAMPLE #? B-10 SAMPLING DATE? 04/20/89 USGS #? AR33
CONTAMINANTS VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	<26.3-3390
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	<0.1-4.8
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.1-670
TOTAL BTEX SUM.....	<0.1-1034.2
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 2)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 23 , SITE NUMBER: 23.10.00, REPORT DATE: 05/22/89
REPORT TITLE: SOIL CONTAMINATION INVESTIGATION, GEIST ROAD EXTENSION: ILLI
SAMPLE #? B-11 SAMPLING DATE? 04/21/89 USGS #? ARB38
CONTAMINANTS VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	<26.1-<30.4
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	<0.1-<0.1
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.1-0.3
TOTAL BTEX SUM.....	<0.1-0.3
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

(Key # 2)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 23 , SITE NUMBER: 23.10.00, REPORT DATE: 05/22/89
REPORT TITLE: SOIL CONTAMINATION INVESTIGATION, GEIST ROAD EXTENSION: ILLI
SAMPLE #? B-12 SAMPLING DATE? 04/21/89 USGS #? ARB39
CONTAMINANTS VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	<24.9-<29.2
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	<0.1-<0.1
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.1-<0.4
TOTAL BTEX SUM.....	<0.1-<0.4
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 52)

SITE REPORT

REPORT NUMBER: 35 , SITE NUMBER: 35.10.00, REPORT DATE: 02/01/91
REPORT TITLE: ALASKA CHEVRON STATION UNDERGROUND STORAGE TANK SITE REMEDIA
REPORT BY: ALASKA PETROLEUM ENVIRONM
REPORT LOCATION: ALASKA CHEVRON, CNR ILLINOIS S
PRIOR OWNERSHIP: CHEVRON USA, CURRENTLY MR. DALE MILLER
WATER LEVELS ONLY: N
NUMBER OF WELLS: 0
NUMBER OF BORINGS: 0
NUMBER OF SURFACE SAMPLES: 0
NUMBER OF GROUNDWATER LEVELS: 0
PERMAFROST: NOT MENTIONED
SURVEYED: N, MAPS: N, PHOTOS: N
TYPES OF POTENTIAL SOURCES:
TYPES OF POTENTIAL CONTAMINANTS:
REPORT INCLUDES SUBSURFACE SOIL CHEMISTRY DATA: N
REPORT INCLUDES SURFICIAL SOIL CHEMISTRY DATA: N
REPORT INCLUDES GROUNDWATER CHEMISTRY DATA: N
REPORT INCLUDES BULK EXCAVATION DATA: N
REPORT INCLUDES INTERPRETATIVE HYDROLOGY: N
REPORT INCLUDES QUALITY ASSURANCE PROCEDURES: N,
SURFACE STAINS: U
STAINED SOILS: U
OILY SOIL ODOR: U
SHEEN ON WATER: U
FLOATING PRODUCT: U
REVIEWER: ROY IRELAND

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 55)

SITE REPORT

REPORT NUMBER: 36 , SITE NUMBER: 36.10.00, REPORT DATE: 05/01/92
REPORT TITLE: RESULTS OF PHASE II ENVIRONMENTAL SITE INVESTIGATION CONDUCT
REPORT BY: ALASKA PETROLEUM ENVIRONM
REPORT LOCATION: ALASKA CHEVRON, INC
PRIOR OWNERSHIP: NOT MENTIONED
WATER LEVELS ONLY: N
NUMBER OF WELLS: 4
NUMBER OF BORINGS: 0
NUMBER OF SURFACE SAMPLES: 0
NUMBER OF GROUNDWATER LEVELS: 9
PERMAFROST: NOT MENTIONED
SURVEYED: Y, MAPS: Y, PHOTOS: N
TYPES OF POTENTIAL SOURCES: G
TYPES OF POTENTIAL CONTAMINANTS: G
REPORT INCLUDES SUBSURFACE SOIL CHEMISTRY DATA: Y
REPORT INCLUDES SURFICIAL SOIL CHEMISTRY DATA: N
REPORT INCLUDES GROUNDWATER CHEMISTRY DATA: Y
REPORT INCLUDES BULK EXCAVATION DATA: N
REPORT INCLUDES INTERPRETATIVE HYDROLOGY: Y
REPORT INCLUDES QUALITY ASSURANCE PROCEDURES: Y, SURFACE STAINS: U
STAINED SOILS: U
OILY SOIL ODOR: Y
SHEEN ON WATER: Y
FLOATING PRODUCT: N

REVIEWER: JIM VOHDEN

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 55)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 36 , SITE NUMBER: 36.10.00, REPORT DATE: 05/01/92
REPORT TITLE: RESULTS OF PHASE II ENVIRONMENTAL SITE INVESTIGATION CONDUCT
SAMPLE #? AKC-B1 SAMPLING DATE? 04/02/92 USGS #? AR34
CONTAMINANTS

VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	<DL
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	0.025
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	0.0085-0.048
TOTAL BTEX SUM.....	0.082-0.104
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

(Key # 55)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 36 , SITE NUMBER: 36.10.00, REPORT DATE: 05/01/92
REPORT TITLE: RESULTS OF PHASE II ENVIRONMENTAL SITE INVESTIGATION CONDUCT
SAMPLE #? AKC-B2 SAMPLING DATE? 04/02/92 USGS #? AR35
CONTAMINANTS

VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	<DL-<DL
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	<DL-<DL
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<DL-0.025
TOTAL BTEX SUM.....	0.013-0.025
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

Alaska DNR, Div. of Mining & Water Management
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(Key # 55)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 36 , SITE NUMBER: 36.10.00, REPORT DATE: 05/01/92
REPORT TITLE: RESULTS OF PHASE II ENVIRONMENTAL SITE INVESTIGATION CONDUCT
SAMPLE #? AKC-B3 SAMPLING DATE? 04/03/92 USGS #? AR36
CONTAMINANTS

	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	1.0-1.0
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	<DL-<DL
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<DL-0.036
TOTAL BTEX SUM.....	<DL-0.061
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

(Key # 55)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 36 , SITE NUMBER: 36.10.00, REPORT DATE: 05/01/92
REPORT TITLE: RESULTS OF PHASE II ENVIRONMENTAL SITE INVESTIGATION CONDUCT
SAMPLE #? AKC-B4 SAMPLING DATE? 04/03/92 USGS #? AR37
CONTAMINANTS

	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	<DL-<DL
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	<DL-<DL
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<DL-<DL
TOTAL BTEX SUM.....	<DL-<DL
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

Alaska DNR, Div. of Mining & Water Management
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(Key # 55)

CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 36 , SITE NUMBER: 36.10.00, REPORT DATE: 05/01/92
REPORT TITLE: RESULTS OF PHASE II ENVIRONMENTAL SITE INVESTIGATION CONDUCT
SAMPLE #? AKCMW1 SAMPLING DATE? 04/08/92 USGS #? AR34
CONTAMINANTS VALUES -PPB

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
PURGEABLE HALOCARBONS (601).....	
BENZENE.....	<DL
PURGEABLE AROMATICS, BTEX (602).....	<DL
TOTAL BTEX SUM.....	<DL
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

(Key # 55)

CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 36 , SITE NUMBER: 36.10.00, REPORT DATE: 05/01/92
REPORT TITLE: RESULTS OF PHASE II ENVIRONMENTAL SITE INVESTIGATION CONDUCT
SAMPLE #? AKCMW2 SAMPLING DATE? 04/08/92 USGS #? AR35
CONTAMINANTS VALUES -PPB

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	44000
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
PURGEABLE HALOCARBONS (601).....	
BENZENE.....	3300
PURGEABLE AROMATICS, BTEX (602).....	370-3800
TOTAL BTEX SUM.....	8570
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

Alaska DNR, Div. of Mining & Water Management
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(Key # 55)

CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 36 , SITE NUMBER: 36.10.00, REPORT DATE: 05/01/92
REPORT TITLE: RESULTS OF PHASE II ENVIRONMENTAL SITE INVESTIGATION CONDUCT
SAMPLE #? AKCMW3 SAMPLING DATE? 04/08/92 USGS #? AR36
CONTAMINANTS

VALUES -PPB

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	28000 GAS.
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
PURGEABLE HALOCARBONS (601).....	
BENZENE.....	3300
PURGEABLE AROMATICS, BTEX (602).....	3300-33000
TOTAL BTEX SUM.....	60400
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

(Key # 55)

CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 36 , SITE NUMBER: 36.10.00, REPORT DATE: 05/01/92
REPORT TITLE: RESULTS OF PHASE II ENVIRONMENTAL SITE INVESTIGATION CONDUCT
SAMPLE #? AKCMW4 SAMPLING DATE? 04/08/92 USGS #? AR37
CONTAMINANTS

VALUES -PPB

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	52 GAS.
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
PURGEABLE HALOCARBONS (601).....	
BENZENE.....	0.3
PURGEABLE AROMATICS, BTEX (602).....	<DL-2.4
TOTAL BTEX SUM.....	3.5
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

Alaska DNR, Div. of Mining & Water Management
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(Key # 55)

CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 36 , SITE NUMBER: 36.10.00, REPORT DATE: 05/01/92
REPORT TITLE: RESULTS OF PHASE II ENVIRONMENTAL SITE INVESTIGATION CONDUCT
SAMPLE #? B9 SAMPLING DATE? 04/09/92 USGS #? AR32
CONTAMINANTS

CONTAMINANTS	VALUES -PPB
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	21000 GAS.
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
PURGEABLE HALOCARBONS (601).....	
BENZENE.....	5800
PURGEABLE AROMATICS, BTEX (602).....	3400-27000
TOTAL BTEX SUM.....	48200
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

(Key # 55)

CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 36 , SITE NUMBER: 36.10.00, REPORT DATE: 05/01/92
REPORT TITLE: RESULTS OF PHASE II ENVIRONMENTAL SITE INVESTIGATION CONDUCT
SAMPLE #? B10 SAMPLING DATE? 04/09/92 USGS #? AR33
CONTAMINANTS

CONTAMINANTS	VALUES -PPB
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	41000 GAS.
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
PURGEABLE HALOCARBONS (601).....	
BENZENE.....	3300
PURGEABLE AROMATICS, BTEX (602).....	3300-39000
TOTAL BTEX SUM.....	78000
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

Alaska DNR, Div. of Mining & Water Management
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(Key # 55)

CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 36 , SITE NUMBER: 36.10.00, REPORT DATE: 05/01/92
REPORT TITLE: RESULTS OF PHASE II ENVIRONMENTAL SITE INVESTIGATION CONDUCT
SAMPLE #? GW-115 SAMPLING DATE? 04/08/92 USGS #? AR4
CONTAMINANTS

VALUES -PPB

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
PURGEABLE HALOCARBONS (601).....	
BENZENE.....	<DL
PURGEABLE AROMATICS, BTEX (602).....	<DL
TOTAL BTEX SUM.....	<DL
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

(Key # 55)

CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 36 , SITE NUMBER: 36.10.00, REPORT DATE: 05/01/92
REPORT TITLE: RESULTS OF PHASE II ENVIRONMENTAL SITE INVESTIGATION CONDUCT
SAMPLE #? GW-128 SAMPLING DATE? 04/08/92 USGS #? AR2
CONTAMINANTS

VALUES -PPB

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	<DL
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
PURGEABLE HALOCARBONS (601).....	
BENZENE.....	690
PURGEABLE AROMATICS, BTEX (602).....	79-1500
TOTAL BTEX SUM.....	3079
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

Alaska DNR, Div. of Mining & Water Management
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(Key # 55)

CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 36 , SITE NUMBER: 36.10.00, REPORT DATE: 05/01/92
REPORT TITLE: RESULTS OF PHASE II ENVIRONMENTAL SITE INVESTIGATION CONDUCT
SAMPLE #? AKCMW3 SAMPLING DATE? 04/08/92 USGS #? AR36
CONTAMINANTS

	VALUES -PPB
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	28000
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
PURGEABLE HALOCARBONS (601).....	
BENZENE.....	3300
PURGEABLE AROMATICS, BTEX (602).....	3300-33000
TOTAL BTEX SUM.....	60400
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

Alaska DNR, Div. of Mining & Water Management
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(Key # 74)

SITE REPORT

REPORT NUMBER: 37A , SITE NUMBER: 37.10.00, REPORT DATE: 04/02/93

REPORT TITLE: AIR SPARGING/VAPOR EXTRACTION SYSTEM WORK PLAN

REPORT BY: ALASKA PETROLEUM ENV. ENG

REPORT LOCATION: ALASKA CHEVRON

PRIOR OWNERSHIP: NOT MENTIONED

WATER LEVELS ONLY: N

NUMBER OF WELLS: 0

NUMBER OF BORINGS: 0

NUMBER OF SURFACE SAMPLES: 0

NUMBER OF GROUNDWATER LEVELS: 0

PERMAFROST: NOT MENTIONED

SURVEYED: N, MAPS: Y, PHOTOS: N

TYPES OF POTENTIAL SOURCES:

TYPES OF POTENTIAL CONTAMINANTS:

REPORT INCLUDES SUBSURFACE SOIL CHEMISTRY DATA: N

REPORT INCLUDES SURFICIAL SOIL CHEMISTRY DATA: N

REPORT INCLUDES GROUNDWATER CHEMISTRY DATA: N

REPORT INCLUDES BULK EXCAVATION DATA: N

REPORT INCLUDES INTERPRETATIVE HYDROLOGY: N

REPORT INCLUDES QUALITY ASSURANCE PROCEDURES: N,

SURFACE STAINS: U

STAINED SOILS: U

OILY SOIL ODOR: U

SHEEN ON WATER: U

FLOATING PRODUCT: U

REVIEWER: MARY MAURER

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 75)

SITE REPORT

REPORT NUMBER: 37B , SITE NUMBER: 37.10.00, REPORT DATE: 03/12/92

REPORT TITLE: ALASKA CHEVRON

REPORT BY: ALASKA PETROLEUM ENV. ENG

REPORT LOCATION: ALASKA CHEVRON

PRIOR OWNERSHIP: NOT MENTIONED

WATER LEVELS ONLY: N

NUMBER OF WELLS: 0

NUMBER OF BORINGS: 0

NUMBER OF SURFACE SAMPLES: 0

NUMBER OF GROUNDWATER LEVELS: 0

PERMAFROST: NOT MENTIONED

SURVEYED: N, MAPS: N, PHOTOS: N

TYPES OF POTENTIAL SOURCES:

TYPES OF POTENTIAL CONTAMINANTS:

REPORT INCLUDES SUBSURFACE SOIL CHEMISTRY DATA: N

REPORT INCLUDES SURFICIAL SOIL CHEMISTRY DATA: N

REPORT INCLUDES GROUNDWATER CHEMISTRY DATA: N

REPORT INCLUDES BULK EXCAVATION DATA: N

REPORT INCLUDES INTERPRETATIVE HYDROLOGY: N

REPORT INCLUDES QUALITY ASSURANCE PROCEDURES: N,

SURFACE STAINS: U

STAINED SOILS: U

OILY SOIL ODOR: U

SHEEN ON WATER: U

FLOATING PRODUCT: U

REVIEWER: MARY MAURER

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 76)

SITE REPORT

REPORT NUMBER: 37C , SITE NUMBER: 37.10.00, REPORT DATE: 03/24/92

REPORT TITLE: ALASKA CHEVRON

REPORT BY: ALASKA PETROLEUM ENV. ENG

REPORT LOCATION: ALASKA CHEVRON

PRIOR OWNERSHIP: NOT MENTIONED

WATER LEVELS ONLY: N

NUMBER OF WELLS: 0

NUMBER OF BORINGS: 0

NUMBER OF SURFACE SAMPLES: 0

NUMBER OF GROUNDWATER LEVELS: 0

PERMAFROST: NOT MENTIONED

SURVEYED: N, MAPS: N, PHOTOS: N

TYPES OF POTENTIAL SOURCES:

TYPES OF POTENTIAL CONTAMINANTS:

REPORT INCLUDES SUBSURFACE SOIL CHEMISTRY DATA: N

REPORT INCLUDES SURFICIAL SOIL CHEMISTRY DATA: N

REPORT INCLUDES GROUNDWATER CHEMISTRY DATA: N

REPORT INCLUDES BULK EXCAVATION DATA: N

REPORT INCLUDES INTERPRETATIVE HYDROLOGY: N

REPORT INCLUDES QUALITY ASSURANCE PROCEDURES: N,

SURFACE STAINS: U

STAINED SOILS: U

OILY SOIL ODOR: U

SHEEN ON WATER: U

FLOATING PRODUCT: U

REVIEWER: MARY MAURER

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 77)

SITE REPORT

REPORT NUMBER: 37D , SITE NUMBER: 37.10.00, REPORT DATE: 01/01/92
REPORT TITLE: SITE CHARACTERIZATION WORK PLAN
REPORT BY: ALASKA PETROLEUM ENV. ENG
REPORT LOCATION: ALASKA CHEVRON
PRIOR OWNERSHIP: NOT MENTIONED
WATER LEVELS ONLY: N
NUMBER OF WELLS: 0
NUMBER OF BORINGS: 0
NUMBER OF SURFACE SAMPLES: 0
NUMBER OF GROUNDWATER LEVELS: 0
PERMAFROST: NOT MENTIONED
SURVEYED: N, MAPS: Y, PHOTOS: N
TYPES OF POTENTIAL SOURCES:
TYPES OF POTENTIAL CONTAMINANTS:
REPORT INCLUDES SUBSURFACE SOIL CHEMISTRY DATA: N
REPORT INCLUDES SURFICIAL SOIL CHEMISTRY DATA: N
REPORT INCLUDES GROUNDWATER CHEMISTRY DATA: N
REPORT INCLUDES BULK EXCAVATION DATA: N
REPORT INCLUDES INTERPRETATIVE HYDROLOGY: N
REPORT INCLUDES QUALITY ASSURANCE PROCEDURES: N,
SURFACE STAINS: U
STAINED SOILS: U
OILY SOIL ODOR: U
SHEEN ON WATER: U
FLOATING PRODUCT: Y
REVIEWER: MARY MAURER

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 78)

SITE REPORT

REPORT NUMBER: 37E , SITE NUMBER: 37.10.00, REPORT DATE: 02/05/92
REPORT TITLE: DALE MILLER'S ALASKA CHEVRON RETAIL SERVICE STATION
REPORT BY: ALASKA DEPT. ENV. CONSERV
REPORT LOCATION: ALASKA CHEVRON
PRIOR OWNERSHIP: NOT MENTIONED
WATER LEVELS ONLY: N
NUMBER OF WELLS: 0
NUMBER OF BORINGS: 0
NUMBER OF SURFACE SAMPLES: 0
NUMBER OF GROUNDWATER LEVELS: 0
PERMAFROST: NOT MENTIONED
SURVEYED: N, MAPS: N, PHOTOS: N
TYPES OF POTENTIAL SOURCES:
TYPES OF POTENTIAL CONTAMINANTS:
REPORT INCLUDES SUBSURFACE SOIL CHEMISTRY DATA: N
REPORT INCLUDES SURFICIAL SOIL CHEMISTRY DATA: N
REPORT INCLUDES GROUNDWATER CHEMISTRY DATA: N
REPORT INCLUDES BULK EXCAVATION DATA: N
REPORT INCLUDES INTERPRETATIVE HYDROLOGY: N
REPORT INCLUDES QUALITY ASSURANCE PROCEDURES: N,
SURFACE STAINS: U
STAINED SOILS: U
OILY SOIL ODOR: U
SHEEN ON WATER: U
FLOATING PRODUCT: U
REVIEWER: MARY MAURER

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 79)

SITE REPORT

REPORT NUMBER: 37F , SITE NUMBER: 37.10.00, REPORT DATE: 01/13/92

REPORT TITLE: ALASKA CHEVRON

REPORT BY: ALASKA DEPT. ENV. CONSERV

REPORT LOCATION: ALASKA CHEVRON

PRIOR OWNERSHIP: NOT MENTIONED

WATER LEVELS ONLY: N

NUMBER OF WELLS: 0

NUMBER OF BORINGS: 0

NUMBER OF SURFACE SAMPLES: 0

NUMBER OF GROUNDWATER LEVELS: 0

PERMAFROST: NOT MENTIONED

SURVEYED: N, MAPS: N, PHOTOS: N

TYPES OF POTENTIAL SOURCES:

TYPES OF POTENTIAL CONTAMINANTS:

REPORT INCLUDES SUBSURFACE SOIL CHEMISTRY DATA: N

REPORT INCLUDES SURFICIAL SOIL CHEMISTRY DATA: N

REPORT INCLUDES GROUNDWATER CHEMISTRY DATA: N

REPORT INCLUDES BULK EXCAVATION DATA: N

REPORT INCLUDES INTERPRETATIVE HYDROLOGY: N

REPORT INCLUDES QUALITY ASSURANCE PROCEDURES: N,

SURFACE STAINS: U

STAINED SOILS: U

OILY SOIL ODOR: U

SHEEN ON WATER: U

FLOATING PRODUCT: U

REVIEWER: MARY MAURER

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 80)

SITE REPORT

REPORT NUMBER: 37H , SITE NUMBER: 37.10.00, REPORT DATE: 06/09/92

REPORT TITLE: ALASKA CHEVRON

REPORT BY: ALASKA PETROLEUM ENV. ENG

REPORT LOCATION: ALASKA CHEVRON

PRIOR OWNERSHIP: NOT MENTIONED

WATER LEVELS ONLY: N

NUMBER OF WELLS: 0

NUMBER OF BORINGS: 0

NUMBER OF SURFACE SAMPLES: 0

NUMBER OF GROUNDWATER LEVELS: 12

PERMAFROST: NOT MENTIONED

SURVEYED: N, MAPS: Y, PHOTOS: N

TYPES OF POTENTIAL SOURCES:

TYPES OF POTENTIAL CONTAMINANTS:

REPORT INCLUDES SUBSURFACE SOIL CHEMISTRY DATA: N

REPORT INCLUDES SURFICIAL SOIL CHEMISTRY DATA: N

REPORT INCLUDES GROUNDWATER CHEMISTRY DATA: N

REPORT INCLUDES BULK EXCAVATION DATA: N

REPORT INCLUDES INTERPRETATIVE HYDROLOGY: Y

REPORT INCLUDES QUALITY ASSURANCE PROCEDURES: N,

SURFACE STAINS: U

STAINED SOILS: U

OILY SOIL ODOR: U

SHEEN ON WATER: U

FLOATING PRODUCT: N

REVIEWER: MARY MAURER

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 59)

SITE REPORT

REPORT NUMBER: 45 , SITE NUMBER: 45.10.00, REPORT DATE: 10/07/91
REPORT TITLE: ALASKA CHEVRON SITE CHARACTERIZATION WORK PLAN 91-10013
REPORT BY: ALASKA PETROLEUM ENV. ENG
REPORT LOCATION: ALASKA CHEVRON
PRIOR OWNERSHIP: CHEVRON U.S.A.
WATER LEVELS ONLY: N
NUMBER OF WELLS: 0
NUMBER OF BORINGS: 0
NUMBER OF SURFACE SAMPLES: 0
NUMBER OF GROUNDWATER LEVELS: 0
PERMAFROST: NOT MENTIONED
SURVEYED: N, MAPS: N, PHOTOS: N
TYPES OF POTENTIAL SOURCES: G
TYPES OF POTENTIAL CONTAMINANTS: G
REPORT INCLUDES SUBSURFACE SOIL CHEMISTRY DATA: N
REPORT INCLUDES SURFICIAL SOIL CHEMISTRY DATA: N
REPORT INCLUDES GROUNDWATER CHEMISTRY DATA: N
REPORT INCLUDES BULK EXCAVATION DATA: N
REPORT INCLUDES INTERPRETATIVE HYDROLOGY: N
REPORT INCLUDES QUALITY ASSURANCE PROCEDURES: Y,
SURFACE STAINS: U
STAINED SOILS: U
OILY SOIL ODOR: U
SHEEN ON WATER: U
FLOATING PRODUCT: U
REVIEWER: JIM VOHDEN

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 60)

SITE REPORT

REPORT NUMBER: 46 , SITE NUMBER: 46.10.00, REPORT DATE: 04/02/93
REPORT TITLE: ALASKA CHEVRON, INC. CORRECTIVE ACTION PLAN, AIR SPARGING/VA
REPORT BY: ALASKA PETROLEUM ENV. ENG
REPORT LOCATION: ALASKA CHEVRON
PRIOR OWNERSHIP: NOT MENTIONED
WATER LEVELS ONLY: N
NUMBER OF WELLS: 0
NUMBER OF BORINGS: 0
NUMBER OF SURFACE SAMPLES: 0
NUMBER OF GROUNDWATER LEVELS: 0
PERMAFROST: NOT MENTIONED
SURVEYED: N, MAPS: Y, PHOTOS: N
TYPES OF POTENTIAL SOURCES:
TYPES OF POTENTIAL CONTAMINANTS:
REPORT INCLUDES SUBSURFACE SOIL CHEMISTRY DATA: N
REPORT INCLUDES SURFICIAL SOIL CHEMISTRY DATA: N
REPORT INCLUDES GROUNDWATER CHEMISTRY DATA: N
REPORT INCLUDES BULK EXCAVATION DATA: N
REPORT INCLUDES INTERPRETATIVE HYDROLOGY: N
REPORT INCLUDES QUALITY ASSURANCE PROCEDURES: N,
SURFACE STAINS: U
STAINED SOILS: U
OILY SOIL ODOR: U
SHEEN ON WATER: U
FLOATING PRODUCT: U
REVIEWER: JIM VOHDEN

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 61)

SITE REPORT

REPORT NUMBER: 47 , SITE NUMBER: 47.10.00, REPORT DATE: 01/21/92
REPORT TITLE: ALASKA CHEVRON REVISED SITE CHARACTERIZATION WORK PLAN A-110
REPORT BY: ALASKA PETROLEUM ENV. ENG
REPORT LOCATION: ALASKA CHEVRON
PRIOR OWNERSHIP: NOT MENTIONED
WATER LEVELS ONLY: N
NUMBER OF WELLS: 0
NUMBER OF BORINGS: 0
NUMBER OF SURFACE SAMPLES: 0
NUMBER OF GROUNDWATER LEVELS: 0
PERMAFROST: NOT MENTIONED
SURVEYED: N, MAPS: Y, PHOTOS: N
TYPES OF POTENTIAL SOURCES:
TYPES OF POTENTIAL CONTAMINANTS:
REPORT INCLUDES SUBSURFACE SOIL CHEMISTRY DATA: N
REPORT INCLUDES SURFICIAL SOIL CHEMISTRY DATA: N
REPORT INCLUDES GROUNDWATER CHEMISTRY DATA: N
REPORT INCLUDES BULK EXCAVATION DATA: N
REPORT INCLUDES INTERPRETATIVE HYDROLOGY: N
REPORT INCLUDES QUALITY ASSURANCE PROCEDURES: Y,
SURFACE STAINS: U
STAINED SOILS: U
OILY SOIL ODOR: U
SHEEN ON WATER: U
FLOATING PRODUCT: U
REVIEWER: JIM VOHDEN

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 95)

SITE REPORT

REPORT NUMBER: 65 , SITE NUMBER: 65.10.00, REPORT DATE: 11/30/93
REPORT TITLE: PROPOSED CORRECTIVE ACTION PLAN FOR 1995 AT ALASKA CHEVRON
REPORT BY: GILFILIAN ENGINEERING INC
REPORT LOCATION: ALASKA CHEVRON
PRIOR OWNERSHIP: NOT MENTIONED
WATER LEVELS ONLY: N
NUMBER OF WELLS: 0
NUMBER OF BORINGS: 0
NUMBER OF SURFACE SAMPLES: 0
NUMBER OF GROUNDWATER LEVELS: 0
PERMAFROST: NOT MENTIONED
SURVEYED: N, MAPS: N, PHOTOS: N
TYPES OF POTENTIAL SOURCES: W
TYPES OF POTENTIAL CONTAMINANTS: W
REPORT INCLUDES SUBSURFACE SOIL CHEMISTRY DATA: N
REPORT INCLUDES SURFICIAL SOIL CHEMISTRY DATA: N
REPORT INCLUDES GROUNDWATER CHEMISTRY DATA: N
REPORT INCLUDES BULK EXCAVATION DATA: N
REPORT INCLUDES INTERPRETATIVE HYDROLOGY: N
REPORT INCLUDES QUALITY ASSURANCE PROCEDURES: N,
SURFACE STAINS: U
STAINED SOILS: U
OILY SOIL ODOR: U
SHEEN ON WATER: U
FLOATING PRODUCT: U
REVIEWER: MARY MAURER

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 102)

SITE REPORT

REPORT NUMBER: 66 , SITE NUMBER: 66.10.00, REPORT DATE: 11/22/93
REPORT TITLE: CAP-TASK1-SITE ASSESSMENT FOR UST REMOVAL ON ALASKA CHEVRON
REPORT BY: GILFILIAN ENGINEERING INC
REPORT LOCATION: ALASKA CHEVRON
PRIOR OWNERSHIP: NOT MENTIONED
WATER LEVELS ONLY: N
NUMBER OF WELLS: 0
NUMBER OF BORINGS: 0
NUMBER OF SURFACE SAMPLES: 0
NUMBER OF GROUNDWATER LEVELS: 0
PERMAFROST: NOT MENTIONED
SURVEYED: N, MAPS: N, PHOTOS: N
TYPES OF POTENTIAL SOURCES: G
TYPES OF POTENTIAL CONTAMINANTS: G
REPORT INCLUDES SUBSURFACE SOIL CHEMISTRY DATA: N
REPORT INCLUDES SURFICIAL SOIL CHEMISTRY DATA: N
REPORT INCLUDES GROUNDWATER CHEMISTRY DATA: N
REPORT INCLUDES BULK EXCAVATION DATA: Y
REPORT INCLUDES INTERPRETATIVE HYDROLOGY: N
REPORT INCLUDES QUALITY ASSURANCE PROCEDURES: Y, SURFACE STAINS: U
STAINED SOILS: Y
OILY SOIL ODOR: U
SHEEN ON WATER: U
FLOATING PRODUCT: U
REVIEWER: JIM VOHDEN

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 102)

CHEMISTRY DATA - EXCAVATED SOILS

REPORT NUMBER: 66 , SITE NUMBER: 66.10.00, REPORT DATE: 11/22/93
REPORT TITLE: CAP-TASK1-SITE ASSESSMENT FOR UST REMOVAL ON ALASKA CHEVRON
SAMPLE #? S1 SAMPLING DATE? 09/03/93 USGS #?
CONTAMINANTS

VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	1300
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	<2
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<2-132
TOTAL BTEX SUM.....	234
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

(Key # 102)

CHEMISTRY DATA - EXCAVATED SOILS

REPORT NUMBER: 66 , SITE NUMBER: 66.10.00, REPORT DATE: 11/22/93
REPORT TITLE: CAP-TASK1-SITE ASSESSMENT FOR UST REMOVAL ON ALASKA CHEVRON
SAMPLE #? S2 SAMPLING DATE? 09/09/93 USGS #?
CONTAMINANTS

VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	88.7
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	0.114
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	0.114-7.78
TOTAL BTEX SUM.....	13.326
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

Alaska DNR, Div. of Mining & Water Management
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(Key # 102)

CHEMISTRY DATA - EXCAVATED SOILS

REPORT NUMBER: 66 , SITE NUMBER: 66.10.00, REPORT DATE: 11/22/93
REPORT TITLE: CAP-TASK1-SITE ASSESSMENT FOR UST REMOVAL ON ALASKA CHEVRON
SAMPLE #? S3 SAMPLING DATE? 09/03/93 USGS #?
CONTAMINANTS

	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	2140
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	<2
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<2-270
TOTAL BTEX SUM.....	491.32
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

(Key # 102)

CHEMISTRY DATA - EXCAVATED SOILS

REPORT NUMBER: 66 , SITE NUMBER: 66.10.00, REPORT DATE: 11/22/93
REPORT TITLE: CAP-TASK1-SITE ASSESSMENT FOR UST REMOVAL ON ALASKA CHEVRON
SAMPLE #? S41 SAMPLING DATE? 09/17/93 USGS #?
CONTAMINANTS

	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	6.38
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	0.024
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	0.024-0.231
TOTAL BTEX SUM.....	0.529
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

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(Key # 102)

CHEMISTRY DATA - EXCAVATED SOILS

REPORT NUMBER: 66 , SITE NUMBER: 66.10.00, REPORT DATE: 11/22/93
REPORT TITLE: CAP-TASK1-SITE ASSESSMENT FOR UST REMOVAL ON ALASKA CHEVRON
SAMPLE #? S43 SAMPLING DATE? 09/17/93 USGS #?

CONTAMINANTS	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	15.3
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	<0.02
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.02-0.854
TOTAL BTEX SUM.....	1.872
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

(Key # 102)

CHEMISTRY DATA - EXCAVATED SOILS

REPORT NUMBER: 66 , SITE NUMBER: 66.10.00, REPORT DATE: 11/22/93
REPORT TITLE: CAP-TASK1-SITE ASSESSMENT FOR UST REMOVAL ON ALASKA CHEVRON
SAMPLE #? S42 SAMPLING DATE? 09/17/93 USGS #?

CONTAMINANTS	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	66.2
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	0.074
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	0.074-3.56
TOTAL BTEX SUM.....	7.851
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

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(Key # 102)

CHEMISTRY DATA - EXCAVATED SOILS

REPORT NUMBER: 66 , SITE NUMBER: 66.10.00, REPORT DATE: 11/22/93
REPORT TITLE: CAP-TASK1-SITE ASSESSMENT FOR UST REMOVAL ON ALASKA CHEVRON
SAMPLE #? S1-1 SAMPLING DATE? 09/16/93 USGS #?
CONTAMINANTS

	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	84.4
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	0.15
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	0.150-15.6
TOTAL BTEX SUM.....	30.18
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

(Key # 102)

CHEMISTRY DATA - EXCAVATED SOILS

REPORT NUMBER: 66 , SITE NUMBER: 66.10.00, REPORT DATE: 11/22/93
REPORT TITLE: CAP-TASK1-SITE ASSESSMENT FOR UST REMOVAL ON ALASKA CHEVRON
SAMPLE #? S2-2 SAMPLING DATE? 09/16/93 USGS #?
CONTAMINANTS

	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	8.72
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	3.80
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	0.036-3.80
TOTAL BTEX SUM.....	4.371
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

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CHEMISTRY DATA - EXCAVATED SOILS

REPORT NUMBER: 66 , SITE NUMBER: 66.10.00, REPORT DATE: 11/22/93
REPORT TITLE: CAP-TASK1-SITE ASSESSMENT FOR UST REMOVAL ON ALASKA CHEVRON
SAMPLE #? S21 SAMPLING DATE? 09/17/93 USGS #?
CONTAMINANTS

	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	1030
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	<2
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<2-177
TOTAL BTEX SUM.....	435.32
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

(Key # 102)

CHEMISTRY DATA - EXCAVATED SOILS

REPORT NUMBER: 66 , SITE NUMBER: 66.10.00, REPORT DATE: 11/22/93
REPORT TITLE: CAP-TASK1-SITE ASSESSMENT FOR UST REMOVAL ON ALASKA CHEVRON
SAMPLE #? S22 SAMPLING DATE? 09/17/93 USGS #?
CONTAMINANTS

	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	276
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	<2
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<2-50.9
TOTAL BTEX SUM.....	108.7
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

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(Key # 102)

CHEMISTRY DATA - EXCAVATED SOILS

REPORT NUMBER: 66 , SITE NUMBER: 66.10.00, REPORT DATE: 11/22/93
REPORT TITLE: CAP-TASK1-SITE ASSESSMENT FOR UST REMOVAL ON ALASKA CHEVRON
SAMPLE #? S36 SAMPLING DATE? 09/17/93 USGS #?
CONTAMINANTS

	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	6890
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	17.5
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	17.5-900
TOTAL BTEX SUM.....	1529.1
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

(Key # 102)

CHEMISTRY DATA - EXCAVATED SOILS

REPORT NUMBER: 66 , SITE NUMBER: 66.10.00, REPORT DATE: 11/22/93
REPORT TITLE: CAP-TASK1-SITE ASSESSMENT FOR UST REMOVAL ON ALASKA CHEVRON
SAMPLE #? S37 SAMPLING DATE? 09/17/93 USGS #?
CONTAMINANTS

	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	2340
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	3.78
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	3.78-355
TOTAL BTEX SUM.....	586.38
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

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CHEMISTRY DATA - EXCAVATED SOILS

REPORT NUMBER: 66 , SITE NUMBER: 66.10.00, REPORT DATE: 11/22/93
REPORT TITLE: CAP-TASK1-SITE ASSESSMENT FOR UST REMOVAL ON ALASKA CHEVRON
SAMPLE #? S29 SAMPLING DATE? 09/17/93 USGS #?
CONTAMINANTS

VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	171
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	2
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	1.25-6.65
TOTAL BTEX SUM.....	12.77
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

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(Key # 94)

SITE REPORT

REPORT NUMBER: 68 , SITE NUMBER: 68.10.00, REPORT DATE: 09/08/93
REPORT TITLE: PROPOSED PILOT TEST OF AIR SPARGING AND SOIL VAPOR EXTRACTION
REPORT BY: GILFILIAN ENGINEERING INC
REPORT LOCATION: ALASKA CHEVRON
PRIOR OWNERSHIP: NOT MENTIONED
WATER LEVELS ONLY: N
NUMBER OF WELLS: 0
NUMBER OF BORINGS: 0
NUMBER OF SURFACE SAMPLES: 0
NUMBER OF GROUNDWATER LEVELS: 0
PERMAFROST: NOT MENTIONED
SURVEYED: N, MAPS: Y, PHOTOS: N
TYPES OF POTENTIAL SOURCES:
TYPES OF POTENTIAL CONTAMINANTS:
REPORT INCLUDES SUBSURFACE SOIL CHEMISTRY DATA: N
REPORT INCLUDES SURFICIAL SOIL CHEMISTRY DATA: N
REPORT INCLUDES GROUNDWATER CHEMISTRY DATA: N
REPORT INCLUDES BULK EXCAVATION DATA: N
REPORT INCLUDES INTERPRETATIVE HYDROLOGY: N
REPORT INCLUDES QUALITY ASSURANCE PROCEDURES: N,
SURFACE STAINS: U
STAINED SOILS: U
OILY SOIL ODOR: U
SHEEN ON WATER: U
FLOATING PRODUCT: U
REVIEWER: MARY MAURER

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 79)

SITE REPORT

REPORT NUMBER: 72 , SITE NUMBER: 72.10.00, REPORT DATE: 01/28/94
REPORT TITLE: QUARTERLY GROUND-WATER CHARACTERIZATION REPORT
REPORT BY: GILFILIAN ENGINEERING INC
REPORT LOCATION: ALASKA CHEVRON
PRIOR OWNERSHIP: NOT MENTIONED
WATER LEVELS ONLY: N
NUMBER OF WELLS: 0
NUMBER OF BORINGS: 0
NUMBER OF SURFACE SAMPLES: 0
NUMBER OF GROUNDWATER LEVELS: 8
PERMAFROST: NOT MENTIONED
SURVEYED: N, MAPS: Y, PHOTOS: N
TYPES OF POTENTIAL SOURCES:
TYPES OF POTENTIAL CONTAMINANTS:
REPORT INCLUDES SUBSURFACE SOIL CHEMISTRY DATA: N
REPORT INCLUDES SURFICIAL SOIL CHEMISTRY DATA: N
REPORT INCLUDES GROUNDWATER CHEMISTRY DATA: Y
REPORT INCLUDES BULK EXCAVATION DATA: N
REPORT INCLUDES INTERPRETATIVE HYDROLOGY: Y
REPORT INCLUDES QUALITY ASSURANCE PROCEDURES: Y,
SURFACE STAINS: U
STAINED SOILS: U
OILY SOIL ODOR: U
SHEEN ON WATER: N
FLOATING PRODUCT: N
REVIEWER: MARY MAURER

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 79)

CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 72 , SITE NUMBER: 84.10.00, REPORT DATE: 01/28/94
REPORT TITLE: QUARTERLY GROUND-WATER CHARACTERIZATION REPORT
SAMPLE #? AKC-1 SAMPLING DATE? 12/21/93 USGS #? AR34
CONTAMINANTS

VALUES -PPB

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
PURGEABLE HALOCARBONS (601).....	
BENZENE.....	<1
PURGEABLE AROMATICS, BTEX (602).....	<1-1.4
TOTAL BTEX SUM.....	1.4
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

(Key # 79)

CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 72 , SITE NUMBER: 84.10.00, REPORT DATE: 01/28/94
REPORT TITLE: QUARTERLY GROUND-WATER CHARACTERIZATION REPORT
SAMPLE #? AKC-2 SAMPLING DATE? 12/21/93 USGS #? AR35
CONTAMINANTS

VALUES -PPB

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
PURGEABLE HALOCARBONS (601).....	
BENZENE.....	1990
PURGEABLE AROMATICS, BTEX (602).....	1550-4780
TOTAL BTEX SUM.....	11141
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

Alaska DNR, Div. of Mining & Water Management
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(Key # 79)

CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 72 , SITE NUMBER: 84.10.00, REPORT DATE: 01/28/94

REPORT TITLE: QUARTERLY GROUND-WATER CHARACTERIZATION REPORT

SAMPLE #? AKC-3 SAMPLING DATE? 12/21/93 USGS #? AR36

CONTAMINANTS

VALUES -PPB

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
PURGEABLE HALOCARBONS (601).....	
BENZENE.....	1390
PURGEABLE AROMATICS, BTEX (602).....	1390-22500
TOTAL BTEX SUM.....	48190
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

(Key # 79)

CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 72 , SITE NUMBER: 84.10.00, REPORT DATE: 01/28/94

REPORT TITLE: QUARTERLY GROUND-WATER CHARACTERIZATION REPORT

SAMPLE #? AKC-4 SAMPLING DATE? 12/21/93 USGS #? AR37

CONTAMINANTS

VALUES -PPB

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
PURGEABLE HALOCARBONS (601).....	
BENZENE.....	<1
PURGEABLE AROMATICS, BTEX (602).....	<1-<1
TOTAL BTEX SUM.....	<1
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

Alaska DNR, Div. of Mining & Water Management
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(Key # 79)

CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 72 , SITE NUMBER: 84.10.00, REPORT DATE: 01/28/94
REPORT TITLE: QUARTERLY GROUND-WATER CHARACTERIZATION REPORT
SAMPLE #? GW-128 SAMPLING DATE? 12/21/93 USGS #? AR2

CONTAMINANTS	VALUES -PPB
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
PURGEABLE HALOCARBONS (601).....	
BENZENE.....	965
PURGEABLE AROMATICS, BTEX (602).....	965-4077
TOTAL BTEX SUM.....	7760
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

(Key # 79)

CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 72 , SITE NUMBER: 84.10.00, REPORT DATE: 01/28/94
REPORT TITLE: QUARTERLY GROUND-WATER CHARACTERIZATION REPORT
SAMPLE #? K-3 SAMPLING DATE? 12/21/93 USGS #? AR44

CONTAMINANTS	VALUES -PPB
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
PURGEABLE HALOCARBONS (601).....	
BENZENE.....	714
PURGEABLE AROMATICS, BTEX (602).....	714-6260
TOTAL BTEX SUM.....	11022
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

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CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 72 , SITE NUMBER: 84.10.00, REPORT DATE: 01/28/94
REPORT TITLE: QUARTERLY GROUND-WATER CHARACTERIZATION REPORT
SAMPLE #? K-4 SAMPLING DATE? 12/21/93 USGS #? AR29

CONTAMINANTS	VALUES -PPB
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
PURGEABLE HALOCARBONS (601).....	
BENZENE.....	24
PURGEABLE AROMATICS, BTEX (602).....	14-130
TOTAL BTEX SUM.....	202
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

(Key # 79)

CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 72 , SITE NUMBER: 84.10.00, REPORT DATE: 01/28/94
REPORT TITLE: QUARTERLY GROUND-WATER CHARACTERIZATION REPORT
SAMPLE #? GW-115 SAMPLING DATE? 12/21/93 USGS #? AR4

CONTAMINANTS	VALUES -PPB
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
PURGEABLE HALOCARBONS (601).....	
BENZENE.....	<1
PURGEABLE AROMATICS, BTEX (602).....	<1-<1
TOTAL BTEX SUM.....	<1
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

Alaska DNR, Div. of Mining & Water Management
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(Key # 4)

SITE REPORT

REPORT NUMBER: 2 , SITE NUMBER: 02.11.00, REPORT DATE: 12/01/90
REPORT TITLE: FINAL REPORT ILLINOIS STREET AND MINNIE STREET CONNECTOR, HA
REPORT BY: SHANNON & WILSON, INC.
REPORT LOCATION: KELLY'S FIRESTONE
PRIOR OWNERSHIP: NOT MENTIONED
WATER LEVELS ONLY: N
NUMBER OF WELLS: 1
NUMBER OF BORINGS: 4
NUMBER OF SURFACE SAMPLES: 0
NUMBER OF GROUNDWATER LEVELS: 8
PERMAFROST: NOT MENTIONED
SURVEYED: N, MAPS: Y, PHOTOS: N
TYPES OF POTENTIAL SOURCES:
TYPES OF POTENTIAL CONTAMINANTS:
REPORT INCLUDES SUBSURFACE SOIL CHEMISTRY DATA: Y
REPORT INCLUDES SURFICIAL SOIL CHEMISTRY DATA: N
REPORT INCLUDES GROUNDWATER CHEMISTRY DATA: Y
REPORT INCLUDES BULK EXCAVATION DATA: N
REPORT INCLUDES INTERPRETATIVE HYDROLOGY: N
REPORT INCLUDES QUALITY ASSURANCE PROCEDURES: Y,
SURFACE STAINS: Y
STAINED SOILS: Y
OILY SOIL ODOR: Y
SHEEN ON WATER: Y
FLOATING PRODUCT: Y
REVIEWER: MARY MAURER

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 4)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 2 , SITE NUMBER: 02.11.00, REPORT DATE: 12/01/90
REPORT TITLE: FINAL REPORT ILLINOIS STREET AND MINNIE STREET CONNECTOR, HA
SAMPLE #? SB-122 SAMPLING DATE? 08/16/90 USGS #? ARB7
CONTAMINANTS VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	<1-1270
EPH = TPH, DIESEL (8100).....	<125-2
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	<0.01-2.50
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.01-200
TOTAL BTEX SUM.....	0.27-291
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

(Key # 4)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 2 , SITE NUMBER: 02.11.00, REPORT DATE: 12/01/90
REPORT TITLE: FINAL REPORT ILLINOIS STREET AND MINNIE STREET CONNECTOR, HA
SAMPLE #? GW-123 SAMPLING DATE? 08/16/90 USGS #? AR1
CONTAMINANTS VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	<1-230
EPH = TPH, DIESEL (8100).....	<125-2
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	<0.01-0.55
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.01-37
TOTAL BTEX SUM.....	0.32-51.1
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

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(Key # 4)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 2 , SITE NUMBER: 02.11.00, REPORT DATE: 12/01/90
REPORT TITLE: FINAL REPORT ILLINOIS STREET AND MINNIE STREET CONNECTOR, HA
SAMPLE #? SB-124 SAMPLING DATE? 08/16/90 USGS #? ARB1
CONTAMINANTS VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	<1-<3
EPH = TPH, DIESEL (8100).....	<1-<3
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	<0.01-<0.03
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.01-1.1
TOTAL BTEX SUM.....	<0.01-1.55
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

(Key # 4)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 2 , SITE NUMBER: 02.11.00, REPORT DATE: 12/01/90
REPORT TITLE: FINAL REPORT ILLINOIS STREET AND MINNIE STREET CONNECTOR, HA
SAMPLE #? SB-126 SAMPLING DATE? 08/17/90 USGS #? ARB5
CONTAMINANTS VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	130
VPH = TPH, GASOLINE (8015-V).....	2-170
EPH = TPH, DIESEL (8100).....	<1-<13
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	<0.01-1.30
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.01-23
TOTAL BTEX SUM.....	0.24-40.1
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

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(Key # 4)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 2 , SITE NUMBER: 02.11.00, REPORT DATE: 12/01/90
REPORT TITLE: FINAL REPORT ILLINOIS STREET AND MINNIE STREET CONNECTOR, HA
SAMPLE #? SB-127 SAMPLING DATE? 08/17/90 USGS #? ARB3
CONTAMINANTS VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	<0.01-0.04
BENZENE.....	
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	
TOTAL BTEX SUM.....	
PCB'S.....	<0.1-0.09
HERBICIDES.....	
ARSENIC.....	83.8-103.6
MERCURY.....	
LEAD.....	39.7-520.2
METALS.....	2.1-28.6

(Key # 4)

CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 2 , SITE NUMBER: 02.11.00, REPORT DATE: 12/01/90
REPORT TITLE: FINAL REPORT ILLINOIS STREET AND MINNIE STREET CONNECTOR, HA
SAMPLE #? GW-123 SAMPLING DATE? 08/16/90 USGS #? AR1
CONTAMINANTS VALUES -PPB

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
PURGEABLE HALOCARBONS (601).....	<2.0-<40.0
BENZENE.....	190
PURGEABLE AROMATICS, BTEX (602).....	<4.0-1600
TOTAL BTEX SUM.....	2730
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

Alaska DNR, Div. of Mining & Water Management
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(Key # 46)

SITE REPORT

REPORT NUMBER: 20 , SITE NUMBER: 20.11.00, REPORT DATE: 03/01/93
REPORT TITLE: SITE ASSESSMENT REPORT FOR KELLY'S TIRE & WHEEL, 269 ILLINOI
REPORT BY: GILFILIAN ENGINEERING, INC
REPORT LOCATION: KELLY'S TIRE & WHEEL, 269 ILLI
PRIOR OWNERSHIP: NOT MENTIONED
WATER LEVELS ONLY: N
NUMBER OF WELLS: 1
NUMBER OF BORINGS: 4
NUMBER OF SURFACE SAMPLES: 0
NUMBER OF GROUNDWATER LEVELS: 5
PERMAFROST: NOT MENTIONED
SURVEYED: N, MAPS: Y, PHOTOS: N
TYPES OF POTENTIAL SOURCES: U
TYPES OF POTENTIAL CONTAMINANTS: G
REPORT INCLUDES SUBSURFACE SOIL CHEMISTRY DATA: Y
REPORT INCLUDES SURFICIAL SOIL CHEMISTRY DATA: N
REPORT INCLUDES GROUNDWATER CHEMISTRY DATA: Y
REPORT INCLUDES BULK EXCAVATION DATA: Y
REPORT INCLUDES INTERPRETATIVE HYDROLOGY: Y
REPORT INCLUDES QUALITY ASSURANCE PROCEDURES: Y, SURFACE STAINS: U
STAINED SOILS: U
OILY SOIL ODOR: Y
SHEEN ON WATER: U
FLOATING PRODUCT: U
REVIEWER: ROY IRELAND

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 46)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 20 , SITE NUMBER: 20.11.00, REPORT DATE: 03/01/93
REPORT TITLE: SITE ASSESSMENT REPORT FOR KELLY'S TIRE & WHEEL, 269 ILLINOI
SAMPLE #? TB-4 SAMPLING DATE? 06/25/92 USGS #? AR29
CONTAMINANTS

	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	<0.4-164
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	<0.02-0.076
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.02-20.8
TOTAL BTEX SUM.....	<.02-33.816
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

(Key # 46)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 20 , SITE NUMBER: 20.11.00, REPORT DATE: 03/01/93
REPORT TITLE: SITE ASSESSMENT REPORT FOR KELLY'S TIRE & WHEEL, 269 ILLINOI
SAMPLE #? TB-5 SAMPLING DATE? 06/26/92 USGS #? ARB18
CONTAMINANTS

	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	<0.4-60.3
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	<0.02-<0.250
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.02-1.94
TOTAL BTEX SUM.....	<.02-4.37
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

Alaska DNR, Div. of Mining & Water Management
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CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 20 , SITE NUMBER: 20.11.00, REPORT DATE: 03/01/93
REPORT TITLE: SITE ASSESSMENT REPORT FOR KELLY'S TIRE & WHEEL, 269 ILLINOI
SAMPLE #? TB-6 SAMPLING DATE? 07/08/92 USGS #? ARB17
CONTAMINANTS

CONTAMINANTS	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	<0.4-0.691
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	<0.02
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.02-.096
TOTAL BTEX SUM.....	<.02-.172
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

(Key # 46)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 20 , SITE NUMBER: 20.11.00, REPORT DATE: 03/01/93
REPORT TITLE: SITE ASSESSMENT REPORT FOR KELLY'S TIRE & WHEEL, 269 ILLINOI
SAMPLE #? TB-7 SAMPLING DATE? 07/08/92 USGS #? ARB16
CONTAMINANTS

CONTAMINANTS	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	0.669-898
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	<0.025-.914
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.025-158
TOTAL BTEX SUM.....	<.02-315.014
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

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CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 20 , SITE NUMBER: 20.11.00, REPORT DATE: 03/01/93
REPORT TITLE: SITE ASSESSMENT REPORT FOR KELLY'S TIRE & WHEEL, 269 ILLINOI
SAMPLE #? TB-8 SAMPLING DATE? 07/08/92 USGS #? ARB15
CONTAMINANTS VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	0.835-2.61
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	<0.02-.045
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.02-.562
TOTAL BTEX SUM.....	<.02-1.145
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

(Key # 46)

CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 20 , SITE NUMBER: 20.11.00, REPORT DATE: 03/01/93
REPORT TITLE: SITE ASSESSMENT REPORT FOR KELLY'S TIRE & WHEEL, 269 ILLINOI
SAMPLE #? MW-K4 SAMPLING DATE? 07/26/92 USGS #? AR29
CONTAMINANTS VALUES -PPB

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
PURGEABLE HALOCARBONS (601).....	
BENZENE.....	2220
PURGEABLE AROMATICS, BTEX (602).....	<100-23000
TOTAL BTEX SUM.....	48670
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

Alaska DNR, Div. of Mining & Water Management
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CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 20 , SITE NUMBER: 20.11.00, REPORT DATE: 03/01/93
REPORT TITLE: SITE ASSESSMENT REPORT FOR KELLY'S TIRE & WHEEL, 269 ILLINOI
SAMPLE #? K-2 SAMPLING DATE? 08/14/92 USGS #? AR43
CONTAMINANTS VALUES -PPB

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
PURGEABLE HALOCARBONS (601).....	
BENZENE.....	<1
PURGEABLE AROMATICS, BTEX (602).....	<1
TOTAL BTEX SUM.....	<1
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

(Key # 46)

CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 20 , SITE NUMBER: 20.11.00, REPORT DATE: 03/01/93
REPORT TITLE: SITE ASSESSMENT REPORT FOR KELLY'S TIRE & WHEEL, 269 ILLINOI
SAMPLE #? K-3 SAMPLING DATE? 08/14/92 USGS #? AR44
CONTAMINANTS VALUES -PPB

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
PURGEABLE HALOCARBONS (601).....	
BENZENE.....	1100
PURGEABLE AROMATICS, BTEX (602).....	<100-9000
TOTAL BTEX SUM.....	22090
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

Alaska DNR, Div. of Mining & Water Management
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(Key # 46)

CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 20 , SITE NUMBER: 20.11.00, REPORT DATE: 03/01/93
REPORT TITLE: SITE ASSESSMENT REPORT FOR KELLY'S TIRE & WHEEL, 269 ILLINOI
SAMPLE #? MW-K4 SAMPLING DATE? 08/14/92 USGS #? AR29
CONTAMINANTS VALUES -PPB

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
PURGEABLE HALOCARBONS (601).....	
BENZENE.....	<100
PURGEABLE AROMATICS, BTEX (602).....	<100-8850
TOTAL BTEX SUM.....	17260
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

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CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 20 , SITE NUMBER: 20.11.00, REPORT DATE: 03/01/93
REPORT TITLE: SITE ASSESSMENT REPORT FOR KELLY'S TIRE & WHEEL, 269 ILLINOI
SAMPLE #? AKCMW1 SAMPLING DATE? 08/14/92 USGS #? AR34
CONTAMINANTS VALUES -PPB

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
PURGEABLE HALOCARBONS (601).....	
BENZENE.....	<1
PURGEABLE AROMATICS, BTEX (602).....	<1
TOTAL BTEX SUM.....	<1
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

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CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 20 , SITE NUMBER: 20.11.00, REPORT DATE: 03/01/93
REPORT TITLE: SITE ASSESSMENT REPORT FOR KELLY'S TIRE & WHEEL, 269 ILLINOI
SAMPLE #? MW-123 SAMPLING DATE? 08/13/92 USGS #? AR1
CONTAMINANTS VALUES -PPB

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
PURGEABLE HALOCARBONS (601).....	
BENZENE.....	596
PURGEABLE AROMATICS, BTEX (602).....	<10-596
TOTAL BTEX SUM.....	1664
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

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CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 20 , SITE NUMBER: 20.11.00, REPORT DATE: 03/01/93
REPORT TITLE: SITE ASSESSMENT REPORT FOR KELLY'S TIRE & WHEEL, 269 ILLINOI
SAMPLE #? AKCMW1 SAMPLING DATE? 08/14/92 USGS #? AR34
CONTAMINANTS VALUES -PPB

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
PURGEABLE HALOCARBONS (601).....	
BENZENE.....	<1
PURGEABLE AROMATICS, BTEX (602).....	<1
TOTAL BTEX SUM.....	<1
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

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CHEMISTRY DATA - EXCAVATED SOILS

REPORT NUMBER: 20 , SITE NUMBER: 20.11.00, REPORT DATE: 03/01/93
REPORT TITLE: SITE ASSESSMENT REPORT FOR KELLY'S TIRE & WHEEL, 269 ILLINOI
SAMPLE #? 2 SAMPLING DATE? 08/13/92 USGS #?
CONTAMINANTS

	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	<.4
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	<.02
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<.02
TOTAL BTEX SUM.....	<.02
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

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CHEMISTRY DATA - EXCAVATED SOILS

REPORT NUMBER: 20 , SITE NUMBER: 20.11.00, REPORT DATE: 03/01/93
REPORT TITLE: SITE ASSESSMENT REPORT FOR KELLY'S TIRE & WHEEL, 269 ILLINOI
SAMPLE #? 3 SAMPLING DATE? 08/13/92 USGS #?
CONTAMINANTS

	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	1.06
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	.026
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<.02-.253
TOTAL BTEX SUM.....	.488
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

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CHEMISTRY DATA - EXCAVATED SOILS

REPORT NUMBER: 20 , SITE NUMBER: 20.11.00, REPORT DATE: 03/01/93
REPORT TITLE: SITE ASSESSMENT REPORT FOR KELLY'S TIRE & WHEEL, 269 ILLINOI
SAMPLE #? 4 SAMPLING DATE? 08/13/92 USGS #?
CONTAMINANTS

VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	1.60
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	.024
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<.02-.16
TOTAL BTEX SUM.....	.395
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

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CHEMISTRY DATA - EXCAVATED SOILS

REPORT NUMBER: 20 , SITE NUMBER: 20.11.00, REPORT DATE: 03/01/93
REPORT TITLE: SITE ASSESSMENT REPORT FOR KELLY'S TIRE & WHEEL, 269 ILLINOI
SAMPLE #? 5 SAMPLING DATE? 08/13/92 USGS #?
CONTAMINANTS

VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	200
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	.06
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<.02-35.3
TOTAL BTEX SUM.....	68.15
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

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CHEMISTRY DATA - EXCAVATED SOILS

REPORT NUMBER: 20 , SITE NUMBER: 20.11.00, REPORT DATE: 03/01/93
REPORT TITLE: SITE ASSESSMENT REPORT FOR KELLY'S TIRE & WHEEL, 269 ILLINOI
SAMPLE #? 6 SAMPLING DATE? 08/13/92 USGS #?
CONTAMINANTS

CONTAMINANTS	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	<.6
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	<.03
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<.03-.048
TOTAL BTEX SUM.....	.048
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

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CHEMISTRY DATA - EXCAVATED SOILS

REPORT NUMBER: 20 , SITE NUMBER: 20.11.00, REPORT DATE: 03/01/93
REPORT TITLE: SITE ASSESSMENT REPORT FOR KELLY'S TIRE & WHEEL, 269 ILLINOI
SAMPLE #? 7 SAMPLING DATE? 08/13/92 USGS #?
CONTAMINANTS

CONTAMINANTS	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	1.66
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	.021
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<.02-.320
TOTAL BTEX SUM.....	.636
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

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CHEMISTRY DATA - EXCAVATED SOILS

REPORT NUMBER: 20 , SITE NUMBER: 20.11.00, REPORT DATE: 03/01/93
REPORT TITLE: SITE ASSESSMENT REPORT FOR KELLY'S TIRE & WHEEL, 269 ILLINOI
SAMPLE #? 8 SAMPLING DATE? 08/13/92 USGS #?
CONTAMINANTS

	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	<.5
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	<.025
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<.025-.112
TOTAL BTEX SUM.....	.137
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

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CHEMISTRY DATA - EXCAVATED SOILS

REPORT NUMBER: 20 , SITE NUMBER: 20.11.00, REPORT DATE: 03/01/93
REPORT TITLE: SITE ASSESSMENT REPORT FOR KELLY'S TIRE & WHEEL, 269 ILLINOI
SAMPLE #? 9 SAMPLING DATE? 08/13/92 USGS #?
CONTAMINANTS

	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	<.4
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	<.02
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<.02-.096
TOTAL BTEX SUM.....	.116
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

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CHEMISTRY DATA - EXCAVATED SOILS

REPORT NUMBER: 20 , SITE NUMBER: 20.11.00, REPORT DATE: 03/01/93
REPORT TITLE: SITE ASSESSMENT REPORT FOR KELLY'S TIRE & WHEEL, 269 ILLINOI
SAMPLE #? 10 SAMPLING DATE? 08/13/92 USGS #?
CONTAMINANTS

CONTAMINANTS	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	<.5
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	<.025
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<.025
TOTAL BTEX SUM.....	<.025
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

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CHEMISTRY DATA - EXCAVATED SOILS

REPORT NUMBER: 20 , SITE NUMBER: 20.11.00, REPORT DATE: 03/01/93
REPORT TITLE: SITE ASSESSMENT REPORT FOR KELLY'S TIRE & WHEEL, 269 ILLINOI
SAMPLE #? 11 SAMPLING DATE? 08/13/92 USGS #?
CONTAMINANTS

CONTAMINANTS	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	.543
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	.069
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<.025-.089
TOTAL BTEX SUM.....	.183
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

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CHEMISTRY DATA - EXCAVATED SOILS

REPORT NUMBER: 20 , SITE NUMBER: 20.11.00, REPORT DATE: 03/01/93
REPORT TITLE: SITE ASSESSMENT REPORT FOR KELLY'S TIRE & WHEEL, 269 ILLINOI
SAMPLE #? 12 SAMPLING DATE? 08/13/92 USGS #?
CONTAMINANTS

CONTAMINANTS	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	6.98
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	.121
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<.02-.756
TOTAL BTEX SUM.....	1.278
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

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CHEMISTRY DATA - EXCAVATED SOILS

REPORT NUMBER: 20 , SITE NUMBER: 20.11.00, REPORT DATE: 03/01/93
REPORT TITLE: SITE ASSESSMENT REPORT FOR KELLY'S TIRE & WHEEL, 269 ILLINOI
SAMPLE #? 13 SAMPLING DATE? 08/13/92 USGS #?
CONTAMINANTS

CONTAMINANTS	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	1.19
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	.024
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<.02-.217
TOTAL BTEX SUM.....	.452
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

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CHEMISTRY DATA - EXCAVATED SOILS

REPORT NUMBER: 20 , SITE NUMBER: 20.11.00, REPORT DATE: 03/01/93
REPORT TITLE: SITE ASSESSMENT REPORT FOR KELLY'S TIRE & WHEEL, 269 ILLINOI
SAMPLE #? 14 SAMPLING DATE? 08/13/92 USGS #?
CONTAMINANTS

CONTAMINANTS	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	<.4
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	<.02
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<.02-.029
TOTAL BTEX SUM.....	.029
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

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CHEMISTRY DATA - EXCAVATED SOILS

REPORT NUMBER: 20 , SITE NUMBER: 20.11.00, REPORT DATE: 03/01/93
REPORT TITLE: SITE ASSESSMENT REPORT FOR KELLY'S TIRE & WHEEL, 269 ILLINOI
SAMPLE #? 15 SAMPLING DATE? 08/13/92 USGS #?
CONTAMINANTS

CONTAMINANTS	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	<.4
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	<.02
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<.02-.033
TOTAL BTEX SUM.....	.033
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

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CHEMISTRY DATA - EXCAVATED SOILS

REPORT NUMBER: 20 , SITE NUMBER: 20.11.00, REPORT DATE: 03/01/93
REPORT TITLE: SITE ASSESSMENT REPORT FOR KELLY'S TIRE & WHEEL, 269 ILLINOI
SAMPLE #? 16 SAMPLING DATE? 08/13/92 USGS #?
CONTAMINANTS

CONTAMINANTS	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	.967
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	<.02
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<.02-.146
TOTAL BTEX SUM.....	.277
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

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CHEMISTRY DATA - EXCAVATED SOILS

REPORT NUMBER: 20 , SITE NUMBER: 20.11.00, REPORT DATE: 03/01/93
REPORT TITLE: SITE ASSESSMENT REPORT FOR KELLY'S TIRE & WHEEL, 269 ILLINOI
SAMPLE #? 17 SAMPLING DATE? 08/13/92 USGS #?
CONTAMINANTS

CONTAMINANTS	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	2.70
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	<.02
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<.02-.134
TOTAL BTEX SUM.....	.422
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

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SITE REPORT

REPORT NUMBER: 22 , SITE NUMBER: 22.11.00, REPORT DATE: 11/27/91
REPORT TITLE: UST REMOVAL ENVIRONMENTAL SITE ASSESSMENT/GROUNDWATER CHARAC
REPORT BY: GILFILIAN ENGINEERING, INC
REPORT LOCATION: KELLY'S TIRE & WHEEL 269 ILLIN
PRIOR OWNERSHIP: NOT MENTIONED
WATER LEVELS ONLY: N
NUMBER OF WELLS: 0
NUMBER OF BORINGS: 0
NUMBER OF SURFACE SAMPLES: 0
NUMBER OF GROUNDWATER LEVELS: 1
PERMAFROST: NOT MENTIONED
SURVEYED: N, MAPS: Y, PHOTOS: N
TYPES OF POTENTIAL SOURCES: UG,W
TYPES OF POTENTIAL CONTAMINANTS: G,W
REPORT INCLUDES SUBSURFACE SOIL CHEMISTRY DATA: N
REPORT INCLUDES SURFICIAL SOIL CHEMISTRY DATA: N
REPORT INCLUDES GROUNDWATER CHEMISTRY DATA: Y
REPORT INCLUDES BULK EXCAVATION DATA: Y
REPORT INCLUDES INTERPRETATIVE HYDROLOGY: Y
REPORT INCLUDES QUALITY ASSURANCE PROCEDURES: Y,
SURFACE STAINS: Y
STAINED SOILS: Y
OILY SOIL ODOR: Y
SHEEN ON WATER: Y
FLOATING PRODUCT: N
REVIEWER: ROY IRELAND

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CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 22 , SITE NUMBER: 22.11.00, REPORT DATE: 11/27/91
REPORT TITLE: UST REMOVAL ENVIRONMENTAL SITE ASSESSMENT/GROUNDWATER CHARAC
SAMPLE #? B-7 SAMPLING DATE? 09/26/91 USGS #? AR31
CONTAMINANTS VALUES -PPB

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
PURGEABLE HALOCARBONS (601).....	
BENZENE.....	146
PURGEABLE AROMATICS, BTEX (602).....	<10-1350
TOTAL BTEX SUM.....	3270
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

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CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 22 , SITE NUMBER: 22.11.00, REPORT DATE: 11/27/91
REPORT TITLE: UST REMOVAL ENVIRONMENTAL SITE ASSESSMENT/GROUNDWATER CHARAC
SAMPLE #? GW-128 SAMPLING DATE? 09/26/91 USGS #? AR1
CONTAMINANTS VALUES -PPB

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
PURGEABLE HALOCARBONS (601).....	
BENZENE.....	1300
PURGEABLE AROMATICS, BTEX (602).....	<1-2960
TOTAL BTEX SUM.....	4874
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

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CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 22 , SITE NUMBER: 22.11.00, REPORT DATE: 11/27/91
REPORT TITLE: UST REMOVAL ENVIRONMENTAL SITE ASSESSMENT/GROUNDWATER CHARAC
SAMPLE #? GW-115 SAMPLING DATE? 09/26/91 USGS #? AR4
CONTAMINANTS VALUES -PPB

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1)	
VPH = TPH, GASOLINE (8015-V)	
EPH = TPH, DIESEL (8100)	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E)	
EPH = TPH, RESIDUALS (CRUDE OIL)	
PURGEABLE HALOCARBONS (601)	
BENZENE	<1
PURGEABLE AROMATICS, BTEX (602)	<1
TOTAL BTEX SUM	<1
PCB'S	
HERBICIDES	
ARSENIC	
MERCURY	
LEAD	
METALS	

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CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 22 , SITE NUMBER: 22.11.00, REPORT DATE: 11/27/91
REPORT TITLE: UST REMOVAL ENVIRONMENTAL SITE ASSESSMENT/GROUNDWATER CHARAC
SAMPLE #? GW-111 SAMPLING DATE? 09/26/91 USGS #? AR8
CONTAMINANTS VALUES -PPB

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1)	
VPH = TPH, GASOLINE (8015-V)	
EPH = TPH, DIESEL (8100)	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E)	
EPH = TPH, RESIDUALS (CRUDE OIL)	
PURGEABLE HALOCARBONS (601)	
BENZENE	31
PURGEABLE AROMATICS, BTEX (602)	<1-31
TOTAL BTEX SUM	31
PCB'S	
HERBICIDES	
ARSENIC	
MERCURY	
LEAD	
METALS	

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CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 22 , SITE NUMBER: 22.11.00, REPORT DATE: 11/27/91
REPORT TITLE: UST REMOVAL ENVIRONMENTAL SITE ASSESSMENT/GROUNDWATER CHARAC
SAMPLE #? GW-123 SAMPLING DATE? 09/26/91 USGS #? AR1
CONTAMINANTS

	VALUES -PPB
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
PURGEABLE HALOCARBONS (601).....	
BENZENE.....	1370
PURGEABLE AROMATICS, BTEX (602).....	100-1370
TOTAL BTEX SUM.....	3546
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

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CHEMISTRY DATA - EXCAVATED SOILS

REPORT NUMBER: 22 , SITE NUMBER: 22.11.00, REPORT DATE: 11/27/91
REPORT TITLE: UST REMOVAL ENVIRONMENTAL SITE ASSESSMENT/GROUNDWATER CHARAC
SAMPLE #? 1 SAMPLING DATE? 09/24/91 USGS #?
CONTAMINANTS

	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	<.4
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	<.02
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<.02-.032
TOTAL BTEX SUM.....	.082
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

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CHEMISTRY DATA - EXCAVATED SOILS

REPORT NUMBER: 22 , SITE NUMBER: 22.11.00, REPORT DATE: 11/27/91
REPORT TITLE: UST REMOVAL ENVIRONMENTAL SITE ASSESSMENT/GROUNDWATER CHARAC
SAMPLE #? 2 SAMPLING DATE? 09/24/91 USGS #?
CONTAMINANTS

CONTAMINANTS	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	<.4
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	<.02
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<.02-.034
TOTAL BTEX SUM.....	.083
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

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CHEMISTRY DATA - EXCAVATED SOILS

REPORT NUMBER: 22 , SITE NUMBER: 22.11.00, REPORT DATE: 11/27/91
REPORT TITLE: UST REMOVAL ENVIRONMENTAL SITE ASSESSMENT/GROUNDWATER CHARAC
SAMPLE #? 3 SAMPLING DATE? 09/24/91 USGS #?
CONTAMINANTS

CONTAMINANTS	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	3.49
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	.063
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<.025-.312
TOTAL BTEX SUM.....	.850
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

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CHEMISTRY DATA - EXCAVATED SOILS

REPORT NUMBER: 22 , SITE NUMBER: 22.11.00, REPORT DATE: 11/27/91
REPORT TITLE: UST REMOVAL ENVIRONMENTAL SITE ASSESSMENT/GROUNDWATER CHARAC
SAMPLE #? 4 SAMPLING DATE? 09/24/91 USGS #?
CONTAMINANTS

	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	6.72
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	<.02
BENZENE.....	
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	
TOTAL BTEX SUM.....	
PCB'S.....	<.02
HERBICIDES.....	
ARSENIC.....	<.005
MERCURY.....	
LEAD.....	.005
METALS.....	<.005

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CHEMISTRY DATA - EXCAVATED SOILS

REPORT NUMBER: 22 , SITE NUMBER: 22.11.00, REPORT DATE: 11/27/91
REPORT TITLE: UST REMOVAL ENVIRONMENTAL SITE ASSESSMENT/GROUNDWATER CHARAC
SAMPLE #? 5 SAMPLING DATE? 09/24/91 USGS #?
CONTAMINANTS

	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	8.82
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	<.02
BENZENE.....	
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	
TOTAL BTEX SUM.....	
PCB'S.....	<.02
HERBICIDES.....	
ARSENIC.....	<.005
MERCURY.....	
LEAD.....	<.005
METALS.....	<.005

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CHEMISTRY DATA - EXCAVATED SOILS

REPORT NUMBER: 22 , SITE NUMBER: 22.11.00, REPORT DATE: 11/27/91
REPORT TITLE: UST REMOVAL ENVIRONMENTAL SITE ASSESSMENT/GROUNDWATER CHARAC
SAMPLE #? 6 SAMPLING DATE? 09/26/91 USGS #?
CONTAMINANTS

CONTAMINANTS	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	6330
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	30
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<10-1100
TOTAL BTEX SUM.....	2280
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

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CHEMISTRY DATA - EXCAVATED SOILS

REPORT NUMBER: 22 , SITE NUMBER: 22.11.00, REPORT DATE: 11/27/91
REPORT TITLE: UST REMOVAL ENVIRONMENTAL SITE ASSESSMENT/GROUNDWATER CHARAC
SAMPLE #? 7 SAMPLING DATE? 09/26/91 USGS #?
CONTAMINANTS

CONTAMINANTS	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	6000
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	3.15
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<2.5-829
TOTAL BTEX SUM.....	1552.15
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

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CHEMISTRY DATA - EXCAVATED SOILS

REPORT NUMBER: 22 , SITE NUMBER: 22.11.00, REPORT DATE: 11/27/91
REPORT TITLE: UST REMOVAL ENVIRONMENTAL SITE ASSESSMENT/GROUNDWATER CHARAC
SAMPLE #? 8 SAMPLING DATE? 09/26/91 USGS #?
CONTAMINANTS

VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	3.94
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	.024
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<.02-.355
TOTAL BTEX SUM.....	.828
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

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CHEMISTRY DATA - EXCAVATED SOILS

REPORT NUMBER: 22 , SITE NUMBER: 22.11.00, REPORT DATE: 11/27/91
REPORT TITLE: UST REMOVAL ENVIRONMENTAL SITE ASSESSMENT/GROUNDWATER CHARAC
SAMPLE #? 9 SAMPLING DATE? 09/26/91 USGS #?
CONTAMINANTS

VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	13700
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	71
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<7-2340
TOTAL BTEX SUM.....	4525
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

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CHEMISTRY DATA - EXCAVATED SOILS

REPORT NUMBER: 22 , SITE NUMBER: 22.11.00, REPORT DATE: 11/27/91
REPORT TITLE: UST REMOVAL ENVIRONMENTAL SITE ASSESSMENT/GROUNDWATER CHARAC
SAMPLE #? 10 SAMPLING DATE? 09/26/91 USGS #?
CONTAMINANTS

	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	3320
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	20.4
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<2-513
TOTAL BTEX SUM.....	1085.7
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

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CHEMISTRY DATA - EXCAVATED SOILS

REPORT NUMBER: 22 , SITE NUMBER: 22.11.00, REPORT DATE: 11/27/91
REPORT TITLE: UST REMOVAL ENVIRONMENTAL SITE ASSESSMENT/GROUNDWATER CHARAC
SAMPLE #? 11 SAMPLING DATE? 09/26/91 USGS #?
CONTAMINANTS

	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	7090
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	1.89
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<2.5-978
TOTAL BTEX SUM.....	1750.89
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

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CHEMISTRY DATA - EXCAVATED SOILS

REPORT NUMBER: 22 , SITE NUMBER: 22.11.00, REPORT DATE: 11/27/91
REPORT TITLE: UST REMOVAL ENVIRONMENTAL SITE ASSESSMENT/GROUNDWATER CHARAC
SAMPLE #? 12 SAMPLING DATE? 09/26/91 USGS #?
CONTAMINANTS

	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	41.4
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	<.02
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<.02-3.21
TOTAL BTEX SUM.....	5.814
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

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CHEMISTRY DATA - EXCAVATED SOILS

REPORT NUMBER: 22 , SITE NUMBER: 22.11.00, REPORT DATE: 11/27/91
REPORT TITLE: UST REMOVAL ENVIRONMENTAL SITE ASSESSMENT/GROUNDWATER CHARAC
SAMPLE #? 13 SAMPLING DATE? 09/26/91 USGS #?
CONTAMINANTS

	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	.567
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	<.02
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<.02-.071
TOTAL BTEX SUM.....	.138
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

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CHEMISTRY DATA - EXCAVATED SOILS

REPORT NUMBER: 22 , SITE NUMBER: 22.11.00, REPORT DATE: 11/27/91
REPORT TITLE: UST REMOVAL ENVIRONMENTAL SITE ASSESSMENT/GROUNDWATER CHARAC
SAMPLE #? 14 SAMPLING DATE? 09/26/91 USGS #?
CONTAMINANTS

VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	1710
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	3.71
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<1.5-267
TOTAL BTEX SUM.....	474.21
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

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CHEMISTRY DATA - EXCAVATED SOILS

REPORT NUMBER: 22 , SITE NUMBER: 22.11.00, REPORT DATE: 11/27/91
REPORT TITLE: UST REMOVAL ENVIRONMENTAL SITE ASSESSMENT/GROUNDWATER CHARAC
SAMPLE #? 15 SAMPLING DATE? 09/26/91 USGS #?
CONTAMINANTS

VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	3880
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	9.80
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<2-533
TOTAL BTEX SUM.....	993.2
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

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CHEMISTRY DATA - EXCAVATED SOILS

REPORT NUMBER: 22 , SITE NUMBER: 22.11.00, REPORT DATE: 11/27/91
REPORT TITLE: UST REMOVAL ENVIRONMENTAL SITE ASSESSMENT/GROUNDWATER CHARAC
SAMPLE #? 16 SAMPLING DATE? 09/26/91 USGS #?
CONTAMINANTS

	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	207
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	3.31
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<1.5 37.1
TOTAL BTEX SUM.....	59.705
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

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CHEMISTRY DATA - EXCAVATED SOILS

REPORT NUMBER: 22 , SITE NUMBER: 22.11.00, REPORT DATE: 11/27/91
REPORT TITLE: UST REMOVAL ENVIRONMENTAL SITE ASSESSMENT/GROUNDWATER CHARAC
SAMPLE #? 17 SAMPLING DATE? 09/27/91 USGS #?
CONTAMINANTS

	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	27400
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	<.02-.279
BENZENE.....	
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	
TOTAL BTEX SUM.....	
PCB'S.....	1.49-1242
HERBICIDES.....	
ARSENIC.....	.005
MERCURY.....	
LEAD.....	.178
METALS.....	<.005

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CHEMISTRY DATA - EXCAVATED SOILS

REPORT NUMBER: 22 , SITE NUMBER: 22.11.00, REPORT DATE: 11/27/91
REPORT TITLE: UST REMOVAL ENVIRONMENTAL SITE ASSESSMENT/GROUNDWATER CHARAC
SAMPLE #? 18 SAMPLING DATE? 09/27/91 USGS #?

CONTAMINANTS	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	13500
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	<.02
BENZENE.....	
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	
TOTAL BTEX SUM.....	
PCB'S.....	<.02
HERBICIDES.....	
ARSENIC.....	<.005
MERCURY.....	
LEAD.....	.0488
METALS.....	<.005

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CHEMISTRY DATA - EXCAVATED SOILS

REPORT NUMBER: 22 , SITE NUMBER: 22.11.00, REPORT DATE: 11/27/91
REPORT TITLE: UST REMOVAL ENVIRONMENTAL SITE ASSESSMENT/GROUNDWATER CHARAC
SAMPLE #? 19 SAMPLING DATE? 09/27/91 USGS #?

CONTAMINANTS	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	1380
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	1.17
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<2-265
TOTAL BTEX SUM.....	458.17
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

Alaska DNR, Div. of Mining & Water Management
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(Key # 49)

CHEMISTRY DATA - EXCAVATED SOILS

REPORT NUMBER: 22 , SITE NUMBER: 22.11.00, REPORT DATE: 11/27/91
REPORT TITLE: UST REMOVAL ENVIRONMENTAL SITE ASSESSMENT/GROUNDWATER CHARAC
SAMPLE #? 20 SAMPLING DATE? 09/27/91 USGS #?

CONTAMINANTS	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	7400
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	4.69
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<3-1350
TOTAL BTEX SUM.....	2361.69
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

(Key # 49)

CHEMISTRY DATA - EXCAVATED SOILS

REPORT NUMBER: 22 , SITE NUMBER: 22.11.00, REPORT DATE: 11/27/91
REPORT TITLE: UST REMOVAL ENVIRONMENTAL SITE ASSESSMENT/GROUNDWATER CHARAC
SAMPLE #? 21 SAMPLING DATE? 09/27/91 USGS #?

CONTAMINANTS	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	8670
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	22.8
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<14-1590
TOTAL BTEX SUM.....	3006.8
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 49)

CHEMISTRY DATA - EXCAVATED SOILS

REPORT NUMBER: 22 , SITE NUMBER: 22.11.00, REPORT DATE: 11/27/91
REPORT TITLE: UST REMOVAL ENVIRONMENTAL SITE ASSESSMENT/GROUNDWATER CHARAC
SAMPLE #? 22 SAMPLING DATE? 09/27/91 USGS #?
CONTAMINANTS

	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	2180
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	.255
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<2-370
TOTAL BTEX SUM.....	591.985
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

(Key # 49)

CHEMISTRY DATA - EXCAVATED SOILS

REPORT NUMBER: 22 , SITE NUMBER: 22.11.00, REPORT DATE: 11/27/91
REPORT TITLE: UST REMOVAL ENVIRONMENTAL SITE ASSESSMENT/GROUNDWATER CHARAC
SAMPLE #? 23 SAMPLING DATE? 09/27/91 USGS #?
CONTAMINANTS

	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	1200
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	.281
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<2-166
TOTAL BTEX SUM.....	278.091
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 49)

CHEMISTRY DATA - EXCAVATED SOILS

REPORT NUMBER: 22 , SITE NUMBER: 22.11.00, REPORT DATE: 11/27/91
REPORT TITLE: UST REMOVAL ENVIRONMENTAL SITE ASSESSMENT/GROUNDWATER CHARAC
SAMPLE #? 24 SAMPLING DATE? 09/27/91 USGS #?
CONTAMINANTS

	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	4.32
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	.061
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<.02-.862
TOTAL BTEX SUM.....	1.5
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

(Key # 49)

CHEMISTRY DATA - EXCAVATED SOILS

REPORT NUMBER: 22 , SITE NUMBER: 22.11.00, REPORT DATE: 11/27/91
REPORT TITLE: UST REMOVAL ENVIRONMENTAL SITE ASSESSMENT/GROUNDWATER CHARAC
SAMPLE #? 25 SAMPLING DATE? 09/27/91 USGS #?
CONTAMINANTS

	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	6.42
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	.021
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<.02-.243
TOTAL BTEX SUM.....	.516
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

Alaska DNR, Div. of Mining & Water Management
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(Key # 49)

CHEMISTRY DATA - EXCAVATED SOILS

REPORT NUMBER: 22 , SITE NUMBER: 22.11.00, REPORT DATE: 11/27/91
REPORT TITLE: UST REMOVAL ENVIRONMENTAL SITE ASSESSMENT/GROUNDWATER CHARAC
SAMPLE #? 26 SAMPLING DATE? 09/27/91 USGS #?

CONTAMINANTS	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	4.86
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	<.02
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<.02-.418
TOTAL BTEX SUM.....	.676
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 1)

SITE REPORT

REPORT NUMBER: 23 , SITE NUMBER: 23.11.00, REPORT DATE: 05/22/89
REPORT TITLE: SOIL CONTAMINATION INVESTIGATION, GEIST ROAD EXTENSION: ILLI
REPORT BY: SHANNON & WILSON, INC.
REPORT LOCATION: KELLY'S FIRESTONE
PRIOR OWNERSHIP: NOT MENTIONED
WATER LEVELS ONLY: N
NUMBER OF WELLS: 2
NUMBER OF BORINGS: 6
NUMBER OF SURFACE SAMPLES: 0
NUMBER OF GROUNDWATER LEVELS: 16
PERMAFROST: NOT MENTIONED
SURVEYED: N, MAPS: Y, PHOTOS: N
TYPES OF POTENTIAL SOURCES: P
TYPES OF POTENTIAL CONTAMINANTS: S
REPORT INCLUDES SUBSURFACE SOIL CHEMISTRY DATA: Y
REPORT INCLUDES SURFICIAL SOIL CHEMISTRY DATA: N
REPORT INCLUDES GROUNDWATER CHEMISTRY DATA: N
REPORT INCLUDES BULK EXCAVATION DATA: N
REPORT INCLUDES INTERPRETATIVE HYDROLOGY: N
REPORT INCLUDES QUALITY ASSURANCE PROCEDURES: Y,
SURFACE STAINS: U
STAINED SOILS: U
OILY SOIL ODOR: Y
SHEEN ON WATER: Y
FLOATING PRODUCT: N
REVIEWER: MARY MAURER

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 1)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 23 , SITE NUMBER: 23.11.00, REPORT DATE: 05/22/89
REPORT TITLE: SOIL CONTAMINATION INVESTIGATION, GEIST ROAD EXTENSION: ILLI
SAMPLE #? B-1 SAMPLING DATE? 04/17/89 USGS #? ARB32
CONTAMINANTS VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	<33.0-<39.0
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	0.1-0.1
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.1-5.6
TOTAL BTEX SUM.....	6.4-6.9
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

(Key # 1)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 23 , SITE NUMBER: 23.11.00, REPORT DATE: 05/22/89
REPORT TITLE: SOIL CONTAMINATION INVESTIGATION, GEIST ROAD EXTENSION: ILLI
SAMPLE #? B-2 SAMPLING DATE? 04/17/89 USGS #? ARB33
CONTAMINANTS VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	<26.7-<33.7
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	<0.1-<0.1
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.1-0.3
TOTAL BTEX SUM.....	0.1-0.5
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

Alaska DNR, Div. of Mining & Water Management
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(Key # 1)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 23 , SITE NUMBER: 23.11.00, REPORT DATE: 05/22/89
REPORT TITLE: SOIL CONTAMINATION INVESTIGATION, GEIST ROAD EXTENSION: ILLI
SAMPLE #? B-3 SAMPLING DATE? 04/18/89 USGS #? ARB34
CONTAMINANTS VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	<25.7-<29.9
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	<0.1-<0.1
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.1-<0.4
TOTAL BTEX SUM.....	<0.1-<0.4
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

(Key # 1)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 23 , SITE NUMBER: 23.11.00, REPORT DATE: 05/22/89
REPORT TITLE: SOIL CONTAMINATION INVESTIGATION, GEIST ROAD EXTENSION: ILLI
SAMPLE #? B-4 SAMPLING DATE? 04/18/89 USGS #? ARB35
CONTAMINANTS VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	<28.2-<29.0
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	<0.1-0.1
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.1-0.5
TOTAL BTEX SUM.....	<0.1-0.6
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

Alaska DNR, Div. of Mining & Water Management
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(Key # 1)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 23 , SITE NUMBER: 23.11.00, REPORT DATE: 05/22/89
REPORT TITLE: SOIL CONTAMINATION INVESTIGATION, GEIST ROAD EXTENSION: ILLI
SAMPLE #? B-5 SAMPLING DATE? 04/18/89 USGS #? ARB36
CONTAMINANTS VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	<26.6-<30.5
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	<0.1-<0.1
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.1-<0.4
TOTAL BTEX SUM.....	<0.1-<0.4
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

(Key # 1)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 23 , SITE NUMBER: 23.11.00, REPORT DATE: 05/22/89
REPORT TITLE: SOIL CONTAMINATION INVESTIGATION, GEIST ROAD EXTENSION: ILLI
SAMPLE #? B-6 SAMPLING DATE? 04/18/89 USGS #? AR30
CONTAMINANTS VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	2800-8900
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	12-52
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<1.0-1600
TOTAL BTEX SUM.....	758-2079
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

Alaska DNR, Div. of Mining & Water Management
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(Key # 1)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 23 , SITE NUMBER: 23.11.00, REPORT DATE: 05/22/89
REPORT TITLE: SOIL CONTAMINATION INVESTIGATION, GEIST ROAD EXTENSION: ILLI
SAMPLE #? B-7 SAMPLING DATE? 04/19/89 USGS #? AR31
CONTAMINANTS VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	<27.4-1360
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	<0.1-<1.0
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.1-120
TOTAL BTEX SUM.....	<0.1-165
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

(Key # 1)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 23 , SITE NUMBER: 23.11.00, REPORT DATE: 05/22/89
REPORT TITLE: SOIL CONTAMINATION INVESTIGATION, GEIST ROAD EXTENSION: ILLI
SAMPLE #? B-8 SAMPLING DATE? 04/19/89 USGS #? ARB37
CONTAMINANTS VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	<28.2-<35.7
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	<0.1-<0.1
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.1-<0.4
TOTAL BTEX SUM.....	<0.1-<0.4
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

Alaska DNR, Div. of Mining & Water Management
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(Key # 48)

SITE REPORT

REPORT NUMBER: 32 , SITE NUMBER: 32.11.00, REPORT DATE: 11/08/91
REPORT TITLE: PRELIMINARY REPORT ON GROUNDWATER CONDITION AND PROPOSED LOC
REPORT BY: GILFILIAN ENGINEERING, INC
REPORT LOCATION: KELLY'S TIRE AND WHEEL, FBNKS
PRIOR OWNERSHIP: NOT MENTIONED
WATER LEVELS ONLY: N
NUMBER OF WELLS: 0
NUMBER OF BORINGS: 0
NUMBER OF SURFACE SAMPLES: 0
NUMBER OF GROUNDWATER LEVELS: 0
PERMAFROST: NOT MENTIONED
SURVEYED: N, MAPS: Y, PHOTOS: N
TYPES OF POTENTIAL SOURCES:
TYPES OF POTENTIAL CONTAMINANTS:
REPORT INCLUDES SUBSURFACE SOIL CHEMISTRY DATA: N
REPORT INCLUDES SURFICIAL SOIL CHEMISTRY DATA: N
REPORT INCLUDES GROUNDWATER CHEMISTRY DATA: N
REPORT INCLUDES BULK EXCAVATION DATA: N
REPORT INCLUDES INTERPRETATIVE HYDROLOGY: Y
REPORT INCLUDES QUALITY ASSURANCE PROCEDURES: N,
SURFACE STAINS: U
STAINED SOILS: U
OILY SOIL ODOR: U
SHEEN ON WATER: U
FLOATING PRODUCT: U
REVIEWER: ROY IRELAND

Alaska DNR, Div. of Mining & Water Management
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(Key # 47)

SITE REPORT

REPORT NUMBER: 33 , SITE NUMBER: 33.11.00, REPORT DATE: 01/14/92
REPORT TITLE: ENVIRONMENTAL SITE ASSESSMENT/GROUNDWATER CHARACTERIZATION S
REPORT BY: GILFILIAN ENGINEERING, INC
REPORT LOCATION: KELLY'S TIRE & WHEEL, 269 ILLI
PRIOR OWNERSHIP: NOT MENTIONED
WATER LEVELS ONLY: N
NUMBER OF WELLS: 3
NUMBER OF BORINGS: 0
NUMBER OF SURFACE SAMPLES: 0
NUMBER OF GROUNDWATER LEVELS: 8
PERMAFROST: NOT MENTIONED
SURVEYED: N, MAPS: Y, PHOTOS: N
TYPES OF POTENTIAL SOURCES: UG,W
TYPES OF POTENTIAL CONTAMINANTS: G,W
REPORT INCLUDES SUBSURFACE SOIL CHEMISTRY DATA: Y
REPORT INCLUDES SURFICIAL SOIL CHEMISTRY DATA: N
REPORT INCLUDES GROUNDWATER CHEMISTRY DATA: Y
REPORT INCLUDES BULK EXCAVATION DATA: N
REPORT INCLUDES INTERPRETATIVE HYDROLOGY: Y
REPORT INCLUDES QUALITY ASSURANCE PROCEDURES: Y, SURFACE STAINS: U
STAINED SOILS: U
OILY SOIL ODOR: Y
SHEEN ON WATER: U
FLOATING PRODUCT: U
REVIEWER: ROY IRELAND

Alaska DNR, Div. of Mining & Water Management
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(Key # 47)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 18 , SITE NUMBER: 18.11.00, REPORT DATE: 01/14/92
REPORT TITLE: ENVIRONMENTAL SITE ASSESSMENT/GROUNDWATER CHARACTERIZATION S
SAMPLE #? TB-3 SAMPLING DATE? 11/23/91 USGS #? AR44
CONTAMINANTS VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	4.71-6.51
EPH = TPH, DIESEL (8100).....	<10
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	<0.02-.065
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.02-.171
TOTAL BTEX SUM.....	.277-.541
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

(Key # 47)

CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 18 , SITE NUMBER: 18.11.00, REPORT DATE: 01/14/92
REPORT TITLE: ENVIRONMENTAL SITE ASSESSMENT/GROUNDWATER CHARACTERIZATION S
SAMPLE #? K-1 SAMPLING DATE? 11/23/91 USGS #? AR42
CONTAMINANTS VALUES -PPB

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
PURGEABLE HALOCARBONS (601).....	
BENZENE.....	<1
PURGEABLE AROMATICS, BTEX (602).....	<1-1.7
TOTAL BTEX SUM.....	3
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

Alaska DNR, Div. of Mining & Water Management
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CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 18 , SITE NUMBER: 18.11.00, REPORT DATE: 01/14/92
REPORT TITLE: ENVIRONMENTAL SITE ASSESSMENT/GROUNDWATER CHARACTERIZATION S
SAMPLE #? K-2 SAMPLING DATE? 11/23/91 USGS #? AR43
CONTAMINANTS VALUES -PPB

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
PURGEABLE HALOCARBONS (601).....	
BENZENE.....	<1
PURGEABLE AROMATICS, BTEX (602).....	<1-1.3
TOTAL BTEX SUM.....	1.3
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

(Key # 47)

CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 18 , SITE NUMBER: 18.11.00, REPORT DATE: 01/14/92
REPORT TITLE: ENVIRONMENTAL SITE ASSESSMENT/GROUNDWATER CHARACTERIZATION S
SAMPLE #? K-3 SAMPLING DATE? 11/23/91 USGS #? AR44
CONTAMINANTS VALUES -PPB

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
PURGEABLE HALOCARBONS (601).....	
BENZENE.....	7450
PURGEABLE AROMATICS, BTEX (602).....	<10-31500
TOTAL BTEX SUM.....	59680
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 47)

CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 18 , SITE NUMBER: 18.11.00, REPORT DATE: 01/14/92
REPORT TITLE: ENVIRONMENTAL SITE ASSESSMENT/GROUNDWATER CHARACTERIZATION S
SAMPLE #? B-7 SAMPLING DATE? 11/23/91 USGS #? AR31
CONTAMINANTS VALUES -PPB

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
PURGEABLE HALOCARBONS (601).....	
BENZENE.....	363
PURGEABLE AROMATICS, BTEX (602).....	<10-4410
TOTAL BTEX SUM.....	9349
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

(Key # 47)

CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 18 , SITE NUMBER: 18.11.00, REPORT DATE: 01/14/92
REPORT TITLE: ENVIRONMENTAL SITE ASSESSMENT/GROUNDWATER CHARACTERIZATION S
SAMPLE #? MW-123 SAMPLING DATE? 11/23/91 USGS #? AR1
CONTAMINANTS VALUES -PPB

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
PURGEABLE HALOCARBONS (601).....	
BENZENE.....	329
PURGEABLE AROMATICS, BTEX (602).....	<1-330
TOTAL BTEX SUM.....	1039
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 47)

CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 18 , SITE NUMBER: 18.11.00, REPORT DATE: 01/14/92
REPORT TITLE: ENVIRONMENTAL SITE ASSESSMENT/GROUNDWATER CHARACTERIZATION S
SAMPLE #? MW-115 SAMPLING DATE? 11/23/91 USGS #? AR4

CONTAMINANTS	VALUES -PPB
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
PURGEABLE HALOCARBONS (601).....	
BENZENE.....	1.7
PURGEABLE AROMATICS, BTEX (602).....	<1-14
TOTAL BTEX SUM.....	28.6
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 34)

SITE REPORT

REPORT NUMBER: 5 , SITE NUMBER: 05.12.00, REPORT DATE: 04/30/91
REPORT TITLE: INSTALLATION OF GROUNDWATER MONITORING WELLS, 1733 WELL STRE
REPORT BY: SHANNON & WILSON, INC.
REPORT LOCATION: CRAIG TAYLOR SALES/SERVICE/REN
PRIOR OWNERSHIP: NOT MENTIONED
WATER LEVELS ONLY: N
NUMBER OF WELLS: 2
NUMBER OF BORINGS: 0
NUMBER OF SURFACE SAMPLES: 0
NUMBER OF GROUNDWATER LEVELS: 2
PERMAFROST: NOT MENTIONED
SURVEYED: N, MAPS: Y, PHOTOS: N
TYPES OF POTENTIAL SOURCES:
TYPES OF POTENTIAL CONTAMINANTS:
REPORT INCLUDES SUBSURFACE SOIL CHEMISTRY DATA: Y
REPORT INCLUDES SURFICIAL SOIL CHEMISTRY DATA: N
REPORT INCLUDES GROUNDWATER CHEMISTRY DATA: Y
REPORT INCLUDES BULK EXCAVATION DATA: N
REPORT INCLUDES INTERPRETATIVE HYDROLOGY: N
REPORT INCLUDES QUALITY ASSURANCE PROCEDURES: N,
SURFACE STAINS: U
STAINED SOILS: U
OILY SOIL ODOR: Y
SHEEN ON WATER: U
FLOATING PRODUCT: Y
REVIEWER: MARY MAURER

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 34)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 5 , SITE NUMBER: 05.12.00, REPORT DATE: 04/30/91
REPORT TITLE: INSTALLATION OF GROUNDWATER MONITORING WELLS, 1733 WELL STRE
SAMPLE #? MW-1 SAMPLING DATE? 04/05/91 USGS #? AR69
CONTAMINANTS VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	<10
EPH = TPH, DIESEL (8100).....	1330
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	<0.10
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.10-1.80
TOTAL BTEX SUM.....	3.40
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

(Key # 34)

CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 5 , SITE NUMBER: 05.12.00, REPORT DATE: 04/30/91
REPORT TITLE: INSTALLATION OF GROUNDWATER MONITORING WELLS, 1733 WELL STRE
SAMPLE #? MW-1 SAMPLING DATE? 04/08/91 USGS #? AR69
CONTAMINANTS VALUES -PPB

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
PURGEABLE HALOCARBONS (601).....	
BENZENE.....	2.5
PURGEABLE AROMATICS, BTEX (602).....	<1.0-49
TOTAL BTEX SUM.....	67.8
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 34)

CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 5 , SITE NUMBER: 05.12.00, REPORT DATE: 04/30/91
REPORT TITLE: INSTALLATION OF GROUNDWATER MONITORING WELLS, 1733 WELL STRE
SAMPLE #? MW-2 SAMPLING DATE? 04/08/91 USGS #? AR79
CONTAMINANTS VALUES -PPB

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
PURGEABLE HALOCARBONS (601).....	
BENZENE.....	0.6
PURGEABLE AROMATICS, BTEX (602).....	<0.2-1.0
TOTAL BTEX SUM.....	1.6
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 45)

SITE REPORT

REPORT NUMBER: 34 , SITE NUMBER: 34.12.00, REPORT DATE: 09/17/90
REPORT TITLE: MONITORING OF UNDERGROUND TANK REMOVAL, 1733 WELL STR, FBNKS
REPORT BY: SHANNON & WILSON, INC.
REPORT LOCATION: 1733 WELL STREET, FAIRBANKS AK
PRIOR OWNERSHIP: NOT MENTIONED
WATER LEVELS ONLY: N
NUMBER OF WELLS: 1
NUMBER OF BORINGS: 0
NUMBER OF SURFACE SAMPLES: 0
NUMBER OF GROUNDWATER LEVELS: 3
PERMAFROST: NOT MENTIONED
SURVEYED: N, MAPS: Y, PHOTOS: N
TYPES OF POTENTIAL SOURCES: D,O
TYPES OF POTENTIAL CONTAMINANTS: D,O
REPORT INCLUDES SUBSURFACE SOIL CHEMISTRY DATA: N
REPORT INCLUDES SURFICIAL SOIL CHEMISTRY DATA: N
REPORT INCLUDES GROUNDWATER CHEMISTRY DATA: N
REPORT INCLUDES BULK EXCAVATION DATA: N
REPORT INCLUDES INTERPRETATIVE HYDROLOGY: Y
REPORT INCLUDES QUALITY ASSURANCE PROCEDURES: Y,
SURFACE STAINS: Y
STAINED SOILS: Y
OILY SOIL ODOR: Y
SHEEN ON WATER: Y
FLOATING PRODUCT: Y
REVIEWER: ROY IRELAND

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 32)

SITE REPORT

REPORT NUMBER: 21 , SITE NUMBER: 21.13.00, REPORT DATE: 10/01/92
REPORT TITLE: GEIST/JOHANSON EXPRESSWAY, ILLINOIS STREET HAZARDOUS WASTE
REPORT BY: SHANNON & WILSON, INC.
REPORT LOCATION: DOWNTOWN GAS
PRIOR OWNERSHIP: TENNESSEE GAS SERVICE STATION
WATER LEVELS ONLY: N
NUMBER OF WELLS: 0
NUMBER OF BORINGS: 7
NUMBER OF SURFACE SAMPLES: 0
NUMBER OF GROUNDWATER LEVELS: 7
PERMAFROST: NOT MENTIONED
SURVEYED: N, MAPS: Y, PHOTOS: N
TYPES OF POTENTIAL SOURCES: D
TYPES OF POTENTIAL CONTAMINANTS:
REPORT INCLUDES SUBSURFACE SOIL CHEMISTRY DATA: Y
REPORT INCLUDES SURFICIAL SOIL CHEMISTRY DATA: N
REPORT INCLUDES GROUNDWATER CHEMISTRY DATA: N
REPORT INCLUDES BULK EXCAVATION DATA: N
REPORT INCLUDES INTERPRETATIVE HYDROLOGY: N
REPORT INCLUDES QUALITY ASSURANCE PROCEDURES: Y,
SURFACE STAINS: U
STAINED SOILS: U
OILY SOIL ODOR: U
SHEEN ON WATER: U
FLOATING PRODUCT: U
REVIEWER: MARY MAURER

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 32)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 21 , SITE NUMBER: 21.13.00, REPORT DATE: 10/01/92
REPORT TITLE: GEIST\JOHANSON EXPRESSWAY, ILLINOIS STREET HAZARDOUS WASTE I
SAMPLE #? B-7 SAMPLING DATE? 09/08/92 USGS #? ARB25
CONTAMINANTS VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	11-550
EPH = TPH, DIESEL (8100).....	19000-29000
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	<0.02-4.2
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.02-35
TOTAL BTEX SUM.....	0.29-55.4
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

(Key # 32)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 21 , SITE NUMBER: 21.13.00, REPORT DATE: 10/01/92
REPORT TITLE: GEIST\JOHANSON EXPRESSWAY, ILLINOIS STREET HAZARDOUS WASTE I
SAMPLE #? B-8 SAMPLING DATE? 09/09/92 USGS #? ARB26
CONTAMINANTS VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	<2-<2
EPH = TPH, DIESEL (8100).....	<10-20
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	<0.02-<0.02
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.02-<0.04
TOTAL BTEX SUM.....	<0.02-<0.02
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

Alaska DNR, Div. of Mining & Water Management
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(Key # 32)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 21 , SITE NUMBER: 21.13.00, REPORT DATE: 10/01/92
REPORT TITLE: GEIST\JOHANSON EXPRESSWAY, ILLINOIS STREET HAZARDOUS WASTE I
SAMPLE #? B-9 SAMPLING DATE? 09/09/92 USGS #? ARB27
CONTAMINANTS

VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	<2-<2
EPH = TPH, DIESEL (8100).....	<10-<10
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	<0.02-<0.02
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.02-<0.04
TOTAL BTEX SUM.....	<0.02-<0.02
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

(Key # 32)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 21 , SITE NUMBER: 21.13.00, REPORT DATE: 10/01/92
REPORT TITLE: GEIST\JOHANSON EXPRESSWAY, ILLINOIS STREET HAZARDOUS WASTE I
SAMPLE #? B-10 SAMPLING DATE? 09/09/92 USGS #? ARB28
CONTAMINANTS

VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	<2
EPH = TPH, DIESEL (8100).....	<10
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	<0.02
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.02-<0.04
TOTAL BTEX SUM.....	<0.02
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

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(Key # 32)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 21 , SITE NUMBER: 21.13.00, REPORT DATE: 10/01/92
REPORT TITLE: GEIST\JOHANSON EXPRESSWAY, ILLINOIS STREET HAZARDOUS WASTE I
SAMPLE #? B-11 SAMPLING DATE? 09/09/92 USGS #? ARB29
CONTAMINANTS VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	<2-<2
EPH = TPH, DIESEL (8100).....	<10-<10
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	<0.02-<0.02
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.02-<0.04
TOTAL BTEX SUM.....	<0.02-<0.02
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

(Key # 32)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 21 , SITE NUMBER: 21.13.00, REPORT DATE: 10/01/92
REPORT TITLE: GEIST\JOHANSON EXPRESSWAY, ILLINOIS STREET HAZARDOUS WASTE I
SAMPLE #? B-12 SAMPLING DATE? 09/09/92 USGS #? ARB30
CONTAMINANTS VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	<2
EPH = TPH, DIESEL (8100).....	<10
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	<0.02
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.02-<0.04
TOTAL BTEX SUM.....	<0.02
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

Alaska DNR, Div. of Mining & Water Management
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(Key # 32)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 21 , SITE NUMBER: 21.13.00, REPORT DATE: 10/01/92
REPORT TITLE: GEIST\JOHANSON EXPRESSWAY, ILLINOIS STREET HAZARDOUS WASTE I
SAMPLE #? B-13 SAMPLING DATE? 09/09/92 USGS #? ARB31
CONTAMINANTS VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	<2-<2
EPH = TPH, DIESEL (8100).....	<10-<10
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	<0.02-<0.02
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.02-<0.04
TOTAL BTEX SUM.....	<0.02-<0.02
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 3)

SITE REPORT

REPORT NUMBER: 23 , SITE NUMBER: 23.13.00, REPORT DATE: 05/22/89
REPORT TITLE: SOIL CONTAMINATION INVESTIGATION, GEIST ROAD EXTENSION: ILLI
REPORT BY: SHANNON & WILSON, INC.
REPORT LOCATION: DOWNTOWN GAS
PRIOR OWNERSHIP: NOT MENTIONED
WATER LEVELS ONLY: N
NUMBER OF WELLS: 0
NUMBER OF BORINGS: 2
NUMBER OF SURFACE SAMPLES: 0
NUMBER OF GROUNDWATER LEVELS: 2
PERMAFROST: NOT MENTIONED
SURVEYED: N, MAPS: Y, PHOTOS: N
TYPES OF POTENTIAL SOURCES: P
TYPES OF POTENTIAL CONTAMINANTS: S
REPORT INCLUDES SUBSURFACE SOIL CHEMISTRY DATA: Y
REPORT INCLUDES SURFICIAL SOIL CHEMISTRY DATA: N
REPORT INCLUDES GROUNDWATER CHEMISTRY DATA: N
REPORT INCLUDES BULK EXCAVATION DATA: N
REPORT INCLUDES INTERPRETATIVE HYDROLOGY: N
REPORT INCLUDES QUALITY ASSURANCE PROCEDURES: Y,
SURFACE STAINS: N
STAINED SOILS: N
OILY SOIL ODOR: N
SHEEN ON WATER: N
FLOATING PRODUCT: N
REVIEWER: MARY MAURER

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 3)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 23 , SITE NUMBER: 23.13.00, REPORT DATE: 05/22/89
REPORT TITLE: SOIL CONTAMINATION INVESTIGATION, GEIST ROAD EXTENSION: ILLI
SAMPLE #? B-13 SAMPLING DATE? 07/26/89 USGS #? ARB40
CONTAMINANTS

VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	<24-341
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	<0.1-<0.1
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.1-0.1
TOTAL BTEX SUM.....	<0.1-0.1
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

(Key # 3)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 23 , SITE NUMBER: 23.13.00, REPORT DATE: 05/22/89
REPORT TITLE: SOIL CONTAMINATION INVESTIGATION, GEIST ROAD EXTENSION: ILLI
SAMPLE #? B-14 SAMPLING DATE? 07/26/89 USGS #? ARB41
CONTAMINANTS

VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	<23-<27
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	<0.1-<0.1
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.1-<0.4
TOTAL BTEX SUM.....	<0.1-<0.4
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

Alaska DNR, Div. of Mining & Water Management
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(Key # 103)

SITE REPORT

REPORT NUMBER: 18 , SITE NUMBER: 18.14.00, REPORT DATE: 06/07/93
REPORT TITLE: FINAL REPORT RESULTS OF GROUNDWATER SAMPLING NERLANDS LEASEH
REPORT BY: RZA AGRA ALASKA INC
REPORT LOCATION: GOLDEN VALLEY ELECTRIC ASSOC.
PRIOR OWNERSHIP: NONE MENTIONED
WATER LEVELS ONLY: N
NUMBER OF WELLS: 0
NUMBER OF BORINGS: 0
NUMBER OF SURFACE SAMPLES: 0
NUMBER OF GROUNDWATER LEVELS: 15
PERMAFROST: NOT MENTIONED
SURVEYED: N, MAPS: Y, PHOTOS: N
TYPES OF POTENTIAL SOURCES:
TYPES OF POTENTIAL CONTAMINANTS:
REPORT INCLUDES SUBSURFACE SOIL CHEMISTRY DATA: N
REPORT INCLUDES SURFICIAL SOIL CHEMISTRY DATA: N
REPORT INCLUDES GROUNDWATER CHEMISTRY DATA: N
REPORT INCLUDES BULK EXCAVATION DATA: N
REPORT INCLUDES INTERPRETATIVE HYDROLOGY: N
REPORT INCLUDES QUALITY ASSURANCE PROCEDURES: N,
SURFACE STAINS: U
STAINED SOILS: U
OILY SOIL ODOR: U
SHEEN ON WATER: U
FLOATING PRODUCT: U
REVIEWER: JIM VOHDEN

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 98)

SITE REPORT

REPORT NUMBER: 26 , SITE NUMBER: 26.14.00, REPORT DATE: 06/29/93

REPORT TITLE: GVEA RR/INDUSTRIAL COMPLEX. PRELIMINARY REPORT

REPORT BY: RZA/AGRA ENGINEERING & EN

REPORT LOCATION: GOLDEN VALLEY ELECTRIC ASSN

PRIOR OWNERSHIP: NONE MENTIONED

WATER LEVELS ONLY: N

NUMBER OF WELLS: 8

NUMBER OF BORINGS: 0

NUMBER OF SURFACE SAMPLES: 0

NUMBER OF GROUNDWATER LEVELS: 0

PERMAFROST: NOT MENTIONED

SURVEYED: N, MAPS: N, PHOTOS: N

TYPES OF POTENTIAL SOURCES:

TYPES OF POTENTIAL CONTAMINANTS:

REPORT INCLUDES SUBSURFACE SOIL CHEMISTRY DATA: Y

REPORT INCLUDES SURFICIAL SOIL CHEMISTRY DATA: N

REPORT INCLUDES GROUNDWATER CHEMISTRY DATA: Y

REPORT INCLUDES BULK EXCAVATION DATA: N

REPORT INCLUDES INTERPRETATIVE HYDROLOGY: N

REPORT INCLUDES QUALITY ASSURANCE PROCEDURES: Y,

SURFACE STAINS: U

STAINED SOILS: U

OILY SOIL ODOR: U

SHEEN ON WATER: U

FLOATING PRODUCT: U

REVIEWER: JIM VOHDEN

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 98)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 26 , SITE NUMBER: 26.14.00, REPORT DATE: 06/29/93
REPORT TITLE: GVEA RR/INDUSTRIAL COMPLEX. PRELIMINARY REPORT
SAMPLE #? MW4 SAMPLING DATE? 05/04/93 USGS #? AR55
CONTAMINANTS

VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	<0.05
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.05-<0.05
TOTAL BTEX SUM.....	<0.2
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

(Key # 98)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 26 , SITE NUMBER: 26.14.00, REPORT DATE: 06/29/93
REPORT TITLE: GVEA RR/INDUSTRIAL COMPLEX. PRELIMINARY REPORT
SAMPLE #? MW1 SAMPLING DATE? 05/04/93 USGS #? AR52
CONTAMINANTS

VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	<0.05
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.05-<0.05
TOTAL BTEX SUM.....	<0.2
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

Alaska DNR, Div. of Mining & Water Management
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(Key # 98)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 26 , SITE NUMBER: 26.14.00, REPORT DATE: 06/29/93
REPORT TITLE: GVEA RR/INDUSTRIAL COMPLEX. PRELIMINARY REPORT
SAMPLE #? MW2 SAMPLING DATE? 05/04/93 USGS #? AR53

CONTAMINANTS	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	<0.05
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.05-<0.05
TOTAL BTEX SUM.....	<0.2
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

(Key # 98)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 26 , SITE NUMBER: 26.14.00, REPORT DATE: 06/29/93
REPORT TITLE: GVEA RR/INDUSTRIAL COMPLEX. PRELIMINARY REPORT
SAMPLE #? MW3 SAMPLING DATE? 05/05/93 USGS #? AR54

CONTAMINANTS	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	<0.05
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.05-<0.05
TOTAL BTEX SUM.....	<0.2
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

Alaska DNR, Div. of Mining & Water Management
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CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 26 , SITE NUMBER: 26.14.00, REPORT DATE: 06/29/93
REPORT TITLE: GVEA RR/INDUSTRIAL COMPLEX. PRELIMINARY REPORT
SAMPLE #? MW7 SAMPLING DATE? 05/05/93 USGS #? AR58

CONTAMINANTS	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	<0.05
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.05-<0.05
TOTAL BTEX SUM.....	<0.2
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

(Key # 98)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 26 , SITE NUMBER: 26.14.00, REPORT DATE: 06/29/93
REPORT TITLE: GVEA RR/INDUSTRIAL COMPLEX. PRELIMINARY REPORT
SAMPLE #? MW5 SAMPLING DATE? 05/05/93 USGS #? AR56

CONTAMINANTS	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	<0.05
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.05-<0.05
TOTAL BTEX SUM.....	<0.2
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

Alaska DNR, Div. of Mining & Water Management
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CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 26 , SITE NUMBER: 26.14.00, REPORT DATE: 06/29/93
REPORT TITLE: GVEA RR/INDUSTRIAL COMPLEX. PRELIMINARY REPORT
SAMPLE #? MW6 SAMPLING DATE? 05/05/93 USGS #? AR57

CONTAMINANTS	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	<0.05
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.05-<0.05
TOTAL BTEX SUM.....	<0.2
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

(Key # 98)

CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 26 , SITE NUMBER: 26.14.00, REPORT DATE: 06/29/93
REPORT TITLE: GVEA RR/INDUSTRIAL COMPLEX. PRELIMINARY REPORT
SAMPLE #? GVMW1 SAMPLING DATE? 05/12/93 USGS #? AR52

CONTAMINANTS	VALUES -PPB
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
PURGEABLE HALOCARBONS (601).....	
BENZENE.....	<1
PURGEABLE AROMATICS, BTEX (602).....	<1-<1.5
TOTAL BTEX SUM.....	<1
PCB'S.....	<0.1
HERBICIDES.....	
ARSENIC.....	<10
MERCURY.....	<2
LEAD.....	<100
METALS.....	90 (Ba)

Alaska DNR, Div. of Mining & Water Management
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(Key # 98)

CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 26 , SITE NUMBER: 26.14.00, REPORT DATE: 06/29/93
REPORT TITLE: GVEA RR/INDUSTRIAL COMPLEX. PRELIMINARY REPORT
SAMPLE #? GVMW2 SAMPLING DATE? 05/12/93 USGS #? AR53

CONTAMINANTS	VALUES -PPB
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
PURGEABLE HALOCARBONS (601).....	
BENZENE.....	<1
PURGEABLE AROMATICS, BTEX (602).....	<1-<1.5
TOTAL BTEX SUM.....	<1
PCB'S.....	<0.1
HERBICIDES.....	
ARSENIC.....	<10
MERCURY.....	<2
LEAD.....	<100
METALS.....	130 (Ba)

(Key # 98)

CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 26 , SITE NUMBER: 26.14.00, REPORT DATE: 06/29/93
REPORT TITLE: GVEA RR/INDUSTRIAL COMPLEX. PRELIMINARY REPORT
SAMPLE #? GVMW3 SAMPLING DATE? 05/12/93 USGS #? AR54

CONTAMINANTS	VALUES -PPB
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
PURGEABLE HALOCARBONS (601).....	
BENZENE.....	<1
PURGEABLE AROMATICS, BTEX (602).....	<1-<1.5
TOTAL BTEX SUM.....	<1
PCB'S.....	<0.1
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

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(Key # 98)

CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 26 , SITE NUMBER: 26.14.00, REPORT DATE: 06/29/93
REPORT TITLE: GVEA RR/INDUSTRIAL COMPLEX. PRELIMINARY REPORT
SAMPLE #? GVMW4 SAMPLING DATE? 05/12/93 USGS #? AR55
CONTAMINANTS

VALUES -PPB

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
PURGEABLE HALOCARBONS (601).....	
BENZENE.....	<1
PURGEABLE AROMATICS, BTEX (602).....	<1-<1.5
TOTAL BTEX SUM.....	<1
PCB'S.....	<0.1
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

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CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 26 , SITE NUMBER: 26.14.00, REPORT DATE: 06/29/93
REPORT TITLE: GVEA RR/INDUSTRIAL COMPLEX. PRELIMINARY REPORT
SAMPLE #? GVMW5 SAMPLING DATE? 05/12/93 USGS #? AR56
CONTAMINANTS

VALUES -PPB

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
PURGEABLE HALOCARBONS (601).....	
BENZENE.....	<1
PURGEABLE AROMATICS, BTEX (602).....	<1-<1.5
TOTAL BTEX SUM.....	<1
PCB'S.....	<0.1
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

Alaska DNR, Div. of Mining & Water Management
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(Key # 98)

CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 26 , SITE NUMBER: 26.14.00, REPORT DATE: 06/29/93
REPORT TITLE: GVEA RR/INDUSTRIAL COMPLEX. PRELIMINARY REPORT
SAMPLE #? GVMW6 SAMPLING DATE? 05/12/93 USGS #? AR57
CONTAMINANTS VALUES -PPB

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
PURGEABLE HALOCARBONS (601).....	
BENZENE.....	<1
PURGEABLE AROMATICS, BTEX (602).....	<1-<1.5
TOTAL BTEX SUM.....	<1
PCB'S.....	<0.1
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

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CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 26 , SITE NUMBER: 26.14.00, REPORT DATE: 06/29/93
REPORT TITLE: GVEA RR/INDUSTRIAL COMPLEX. PRELIMINARY REPORT
SAMPLE #? GVMW7 SAMPLING DATE? 05/12/93 USGS #? AR58
CONTAMINANTS VALUES -PPB

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
PURGEABLE HALOCARBONS (601).....	
BENZENE.....	<1
PURGEABLE AROMATICS, BTEX (602).....	<1-<1.5
TOTAL BTEX SUM.....	<1
PCB'S.....	<0.1
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 98)

CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 26 , SITE NUMBER: 26.14.00, REPORT DATE: 06/29/93
REPORT TITLE: GVEA RR/INDUSTRIAL COMPLEX. PRELIMINARY REPORT
SAMPLE #? ZENDER SAMPLING DATE? 05/12/93 USGS #? AR59

CONTAMINANTS	VALUES -PPB
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
PURGEABLE HALOCARBONS (601).....	
BENZENE.....	<1
PURGEABLE AROMATICS, BTEX (602).....	<1-<1.5
TOTAL BTEX SUM.....	<1
PCB'S.....	<0.1
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 68)

SITE REPORT

REPORT NUMBER: 49 , SITE NUMBER: 49.14.00, REPORT DATE: 05/14/93
REPORT TITLE: MW SOIL ANALYTICAL RESULTS AND GVEA PURCHASING ORDERS
REPORT BY: RZA AGRA ENGINEERING & EN
REPORT LOCATION: GOLDEN VALLEY ELECTRIC ASSOCIA
PRIOR OWNERSHIP: NONE MENTIONED
WATER LEVELS ONLY: N
NUMBER OF WELLS: 0
NUMBER OF BORINGS: 0
NUMBER OF SURFACE SAMPLES: 0
NUMBER OF GROUNDWATER LEVELS: 0
PERMAFROST: NOT MENTIONED
SURVEYED: N, MAPS: Y, PHOTOS: N
TYPES OF POTENTIAL SOURCES: 0
TYPES OF POTENTIAL CONTAMINANTS: 0
REPORT INCLUDES SUBSURFACE SOIL CHEMISTRY DATA: N
REPORT INCLUDES SURFICIAL SOIL CHEMISTRY DATA: N
REPORT INCLUDES GROUNDWATER CHEMISTRY DATA: N
REPORT INCLUDES BULK EXCAVATION DATA: N
REPORT INCLUDES INTERPRETATIVE HYDROLOGY: N
REPORT INCLUDES QUALITY ASSURANCE PROCEDURES: N,
SURFACE STAINS: U
STAINED SOILS: U
OILY SOIL ODOR: U
SHEEN ON WATER: U
FLOATING PRODUCT: U
REVIEWER: JIM VOHDEN

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 114)

SITE REPORT

REPORT NUMBER: 51 , SITE NUMBER: 51.14.00, REPORT DATE: 11/15/93
REPORT TITLE: INTERIM SUMMARY REPORT SUBSURFACE INVESTIGATION, GVEA INC
REPORT BY: RZA AGRA ALASKA, INC
REPORT LOCATION: GOLDEN VALLEY ELECTRIC ASSOC.
PRIOR OWNERSHIP: NOT MENTIONED
WATER LEVELS ONLY: N
NUMBER OF WELLS: 0
NUMBER OF BORINGS: 0
NUMBER OF SURFACE SAMPLES: 0
NUMBER OF GROUNDWATER LEVELS: 16
PERMAFROST: NOT MENTIONED
SURVEYED: N, MAPS: Y, PHOTOS: N
TYPES OF POTENTIAL SOURCES:
TYPES OF POTENTIAL CONTAMINANTS:
REPORT INCLUDES SUBSURFACE SOIL CHEMISTRY DATA: N
REPORT INCLUDES SURFICIAL SOIL CHEMISTRY DATA: N
REPORT INCLUDES GROUNDWATER CHEMISTRY DATA: Y
REPORT INCLUDES BULK EXCAVATION DATA: N
REPORT INCLUDES INTERPRETATIVE HYDROLOGY: N
REPORT INCLUDES QUALITY ASSURANCE PROCEDURES: Y, SURFACE STAINS: U
STAINED SOILS: U
OILY SOIL ODOR: U
SHEEN ON WATER: U
FLOATING PRODUCT: U

REVIEWER: JIM VOHDEN

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 114)

CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 51 , SITE NUMBER: 51.14.00, REPORT DATE: 11/15/93
REPORT TITLE: INTERIM SUMMARY REPORT SUBSURFACE INVESTIGATION, GVEA INC
SAMPLE #? MW1 SAMPLING DATE? 08/16/93 USGS #? AR52
CONTAMINANTS VALUES -PPB

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
PURGEABLE HALOCARBONS (601).....	
BENZENE.....	<0.5
PURGEABLE AROMATICS, BTEX (602).....	
TOTAL BTEX SUM.....	<0.5
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

(Key # 114)

CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 51 , SITE NUMBER: 51.14.00, REPORT DATE: 11/15/93
REPORT TITLE: INTERIM SUMMARY REPORT SUBSURFACE INVESTIGATION, GVEA INC
SAMPLE #? MW2 SAMPLING DATE? 08/16/93 USGS #? AR53
CONTAMINANTS VALUES -PPB

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
PURGEABLE HALOCARBONS (601).....	<0.5-7.1
BENZENE.....	<0.5
PURGEABLE AROMATICS, BTEX (602).....	
TOTAL BTEX SUM.....	<0.5
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

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CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 51 , SITE NUMBER: 51.14.00, REPORT DATE: 11/15/93
REPORT TITLE: INTERIM SUMMARY REPORT SUBSURFACE INVESTIGATION, GVEA INC
SAMPLE #? MW3 SAMPLING DATE? 08/16/93 USGS #? AR54
CONTAMINANTS

VALUES -PPB

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
PURGEABLE HALOCARBONS (601).....	
BENZENE.....	<0.5
PURGEABLE AROMATICS, BTEX (602).....	
TOTAL BTEX SUM.....	<0.5
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

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CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 51 , SITE NUMBER: 51.14.00, REPORT DATE: 11/15/93
REPORT TITLE: INTERIM SUMMARY REPORT SUBSURFACE INVESTIGATION, GVEA INC
SAMPLE #? MW4 SAMPLING DATE? 08/16/93 USGS #? AR55
CONTAMINANTS

VALUES -PPB

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
PURGEABLE HALOCARBONS (601).....	<0.5-3.8
BENZENE.....	<0.5
PURGEABLE AROMATICS, BTEX (602).....	
TOTAL BTEX SUM.....	<0.5
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

Alaska DNR, Div. of Mining & Water Management
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CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 51 , SITE NUMBER: 51.14.00, REPORT DATE: 11/15/93
REPORT TITLE: INTERIM SUMMARY REPORT SUBSURFACE INVESTIGATION, GVEA INC
SAMPLE #? MW5 SAMPLING DATE? 08/16/93 USGS #? AR56
CONTAMINANTS VALUES -PPB

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
PURGEABLE HALOCARBONS (601).....	
BENZENE.....	<0.5
PURGEABLE AROMATICS, BTEX (602).....	
TOTAL BTEX SUM.....	<0.5
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

(Key # 114)

CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 51 , SITE NUMBER: 51.14.00, REPORT DATE: 11/15/93
REPORT TITLE: INTERIM SUMMARY REPORT SUBSURFACE INVESTIGATION, GVEA INC
SAMPLE #? MW6 SAMPLING DATE? 08/16/93 USGS #? AR57
CONTAMINANTS VALUES -PPB

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
PURGEABLE HALOCARBONS (601).....	
BENZENE.....	<0.5
PURGEABLE AROMATICS, BTEX (602).....	
TOTAL BTEX SUM.....	<0.5
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

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(Key # 114)

CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 51 , SITE NUMBER: 51.14.00, REPORT DATE: 11/15/93
REPORT TITLE: INTERIM SUMMARY REPORT SUBSURFACE INVESTIGATION, GVEA INC
SAMPLE #? MW7 SAMPLING DATE? 08/16/93 USGS #? AR58
CONTAMINANTS VALUES -PPB

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
PURGEABLE HALOCARBONS (601).....	
BENZENE.....	<0.5
PURGEABLE AROMATICS, BTEX (602).....	
TOTAL BTEX SUM.....	<0.5
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

(Key # 114)

CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 51 , SITE NUMBER: 51.14.00, REPORT DATE: 11/15/93
REPORT TITLE: INTERIM SUMMARY REPORT SUBSURFACE INVESTIGATION, GVEA INC
SAMPLE #? ZHENDE SAMPLING DATE? 08/16/93 USGS #? AR59
CONTAMINANTS VALUES -PPB

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
PURGEABLE HALOCARBONS (601).....	
BENZENE.....	0.5
PURGEABLE AROMATICS, BTEX (602).....	
TOTAL BTEX SUM.....	0.5
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 112)

SITE REPORT

REPORT NUMBER: 52 , SITE NUMBER: 52.14.00, REPORT DATE: 10/13/93
REPORT TITLE: LETTER OF TRANSMITTAL -- GVEA TO ADEC, WELL CHEMISTRY
REPORT BY: GOLDEN VALLEY ELECTRIC AS
REPORT LOCATION: GOLDEN VALLEY ELECTRIC ASSOC.

PRIOR OWNERSHIP: NOT MENTIONED

WATER LEVELS ONLY: N

NUMBER OF WELLS: 0

NUMBER OF BORINGS: 0

NUMBER OF SURFACE SAMPLES: 0

NUMBER OF GROUNDWATER LEVELS: 0

PERMAFROST: NOT MENTIONED

SURVEYED: N, MAPS: Y, PHOTOS: N

TYPES OF POTENTIAL SOURCES:

TYPES OF POTENTIAL CONTAMINANTS:

REPORT INCLUDES SUBSURFACE SOIL CHEMISTRY DATA: N

REPORT INCLUDES SURFICIAL SOIL CHEMISTRY DATA: N

REPORT INCLUDES GROUNDWATER CHEMISTRY DATA: N

REPORT INCLUDES BULK EXCAVATION DATA: N

REPORT INCLUDES INTERPRETATIVE HYDROLOGY: N

REPORT INCLUDES QUALITY ASSURANCE PROCEDURES: N,

SURFACE STAINS: U

STAINED SOILS: U

OILY SOIL ODOR: U

SHEEN ON WATER: U

FLOATING PRODUCT: U

REVIEWER: JIM VOHDEN

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 115)

SITE REPORT

REPORT NUMBER: 75 , SITE NUMBER: 75.14.00, REPORT DATE: 02/24/94
REPORT TITLE: LETTER REPORT--GVEA TO ADEC
REPORT BY: GOLDEN VALLEY ELECTRIC AS
REPORT LOCATION: GOLDEN VALLEY ELECTRIC ASSOCIA
PRIOR OWNERSHIP: NOT MENTIONED
WATER LEVELS ONLY: N
NUMBER OF WELLS: 0
NUMBER OF BORINGS: 0
NUMBER OF SURFACE SAMPLES: 0
NUMBER OF GROUNDWATER LEVELS: 15
PERMAFROST: NOT MENTIONED
SURVEYED: N, MAPS: Y, PHOTOS: N
TYPES OF POTENTIAL SOURCES:
TYPES OF POTENTIAL CONTAMINANTS:
REPORT INCLUDES SUBSURFACE SOIL CHEMISTRY DATA: N
REPORT INCLUDES SURFICIAL SOIL CHEMISTRY DATA: N
REPORT INCLUDES GROUNDWATER CHEMISTRY DATA: Y
REPORT INCLUDES BULK EXCAVATION DATA: N
REPORT INCLUDES INTERPRETATIVE HYDROLOGY: N
REPORT INCLUDES QUALITY ASSURANCE PROCEDURES: Y,
SURFACE STAINS: U
STAINED SOILS: U
OILY SOIL ODOR: U
SHEEN ON WATER: U
FLOATING PRODUCT: U
REVIEWER: JIM VOHDEN

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 115)

CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 75 , SITE NUMBER: 75.14.00, REPORT DATE: 02/24/94

REPORT TITLE: LETTER REPORT--GVEA TO ADEC

SAMPLE #? MW1

SAMPLING DATE? 11/18/93

USGS #? AR52

CONTAMINANTS

VALUES -PPB

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1)	
VPH = TPH, GASOLINE (8015-V)	
EPH = TPH, DIESEL (8100)	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E)	
EPH = TPH, RESIDUALS (CRUDE OIL)	
PURGEABLE HALOCARBONS (601)	<0.5-<0.5
BENZENE	<0.5
PURGEABLE AROMATICS, BTEX (602)	
TOTAL BTEX SUM	<0.5
PCB'S	
HERBICIDES	
ARSENIC	
MERCURY	
LEAD	
METALS	

(Key # 115)

CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 75 , SITE NUMBER: 75.14.00, REPORT DATE: 02/24/94

REPORT TITLE: LETTER REPORT--GVEA TO ADEC

SAMPLE #? MW1

SAMPLING DATE? 02/03/94

USGS #? AR52

CONTAMINANTS

VALUES -PPB

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1)	
VPH = TPH, GASOLINE (8015-V)	
EPH = TPH, DIESEL (8100)	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E)	
EPH = TPH, RESIDUALS (CRUDE OIL)	
PURGEABLE HALOCARBONS (601)	<0.5-<0.5
BENZENE	<0.5
PURGEABLE AROMATICS, BTEX (602)	
TOTAL BTEX SUM	<0.5
PCB'S	
HERBICIDES	
ARSENIC	
MERCURY	
LEAD	
METALS	

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 115)

CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 75 , SITE NUMBER: 75.14.00, REPORT DATE: 02/24/94

REPORT TITLE: LETTER REPORT--GVEA TO ADEC

SAMPLE #? MW2

SAMPLING DATE? 11/18/93

USGS #? AR53

CONTAMINANTS

VALUES -PPB

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
PURGEABLE HALOCARBONS (601).....	<0.5-8.1
BENZENE.....	<0.5
PURGEABLE AROMATICS, BTEX (602).....	
TOTAL BTEX SUM.....	<0.5
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

(Key # 115)

CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 75 , SITE NUMBER: 75.14.00, REPORT DATE: 02/24/94

REPORT TITLE: LETTER REPORT--GVEA TO ADEC

SAMPLE #? MW2

SAMPLING DATE? 02/03/94

USGS #? AR53

CONTAMINANTS

VALUES -PPB

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
PURGEABLE HALOCARBONS (601).....	<0.5-7.8
BENZENE.....	<0.5
PURGEABLE AROMATICS, BTEX (602).....	
TOTAL BTEX SUM.....	<0.5
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 115)

CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 75 , SITE NUMBER: 75.14.00, REPORT DATE: 02/24/94

REPORT TITLE: LETTER REPORT--GVEA TO ADEC

SAMPLE #? MW3

SAMPLING DATE? 11/16/93

USGS #? AR54

CONTAMINANTS

VALUES -PPB

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
PURGEABLE HALOCARBONS (601).....	<0.5-21
BENZENE.....	<0.5
PURGEABLE AROMATICS, BTEX (602).....	
TOTAL BTEX SUM.....	<0.5
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

(Key # 115)

CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 75 , SITE NUMBER: 75.14.00, REPORT DATE: 02/24/94

REPORT TITLE: LETTER REPORT--GVEA TO ADEC

SAMPLE #? MW3

SAMPLING DATE? 02/03/94

USGS #? AR54

CONTAMINANTS

VALUES -PPB

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
PURGEABLE HALOCARBONS (601).....	<0.5-15
BENZENE.....	<0.5
PURGEABLE AROMATICS, BTEX (602).....	
TOTAL BTEX SUM.....	<0.5
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 115)

CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 75 , SITE NUMBER: 75.14.00, REPORT DATE: 02/24/94

REPORT TITLE: LETTER REPORT--GVEA TO ADEC

SAMPLE #? MW4

SAMPLING DATE? 11/18/93

USGS #? AR55

CONTAMINANTS

VALUES -PPB

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1)	
VPH = TPH, GASOLINE (8015-V)	
EPH = TPH, DIESEL (8100)	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E)	
EPH = TPH, RESIDUALS (CRUDE OIL)	
PURGEABLE HALOCARBONS (601)	<0.5-6.9
BENZENE	<0.5
PURGEABLE AROMATICS, BTEX (602)	
TOTAL BTEX SUM	<0.5
PCB'S	
HERBICIDES	
ARSENIC	
MERCURY	
LEAD	
METALS	

(Key # 115)

CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 75 , SITE NUMBER: 75.14.00, REPORT DATE: 02/24/94

REPORT TITLE: LETTER REPORT--GVEA TO ADEC

SAMPLE #? MW4

SAMPLING DATE? 02/03/94

USGS #? AR55

CONTAMINANTS

VALUES -PPB

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1)	
VPH = TPH, GASOLINE (8015-V)	
EPH = TPH, DIESEL (8100)	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E)	
EPH = TPH, RESIDUALS (CRUDE OIL)	
PURGEABLE HALOCARBONS (601)	<0.5-7.7
BENZENE	<0.5
PURGEABLE AROMATICS, BTEX (602)	
TOTAL BTEX SUM	<0.5
PCB'S	
HERBICIDES	
ARSENIC	
MERCURY	
LEAD	
METALS	

Alaska DNR, Div. of Mining & Water Management
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(Key # 115)

CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 75 , SITE NUMBER: 75.14.00, REPORT DATE: 02/24/94

REPORT TITLE: LETTER REPORT--GVEA TO ADEC

SAMPLE #? MW5

SAMPLING DATE? 11/18/93

USGS #? AR56

CONTAMINANTS

VALUES -PPB

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
PURGEABLE HALOCARBONS (601).....	<0.5-16
BENZENE.....	<0.5
PURGEABLE AROMATICS, BTEX (602).....	
TOTAL BTEX SUM.....	<0.5
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

(Key # 115)

CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 75 , SITE NUMBER: 75.14.00, REPORT DATE: 02/24/94

REPORT TITLE: LETTER REPORT--GVEA TO ADEC

SAMPLE #? MW5

SAMPLING DATE? 02/03/94

USGS #? AR56

CONTAMINANTS

VALUES -PPB

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
PURGEABLE HALOCARBONS (601).....	<0.5-9.1
BENZENE.....	<0.5
PURGEABLE AROMATICS, BTEX (602).....	
TOTAL BTEX SUM.....	<0.5
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 115)

CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 75 , SITE NUMBER: 75.14.00, REPORT DATE: 02/24/94

REPORT TITLE: LETTER REPORT--GVEA TO ADEC

SAMPLE #? MW6

SAMPLING DATE? 11/19/93

USGS #? AR57

CONTAMINANTS

VALUES -PPB

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1)	
VPH = TPH, GASOLINE (8015-V)	
EPH = TPH, DIESEL (8100)	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E)	
EPH = TPH, RESIDUALS (CRUDE OIL)	
PURGEABLE HALOCARBONS (601)	<0.5-6.2
BENZENE	<0.5
PURGEABLE AROMATICS, BTEX (602)	
TOTAL BTEX SUM	2.1
PCB'S	
HERBICIDES	
ARSENIC	
MERCURY	
LEAD	
METALS	

(Key # 115)

CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 75 , SITE NUMBER: 75.14.00, REPORT DATE: 02/24/94

REPORT TITLE: LETTER REPORT--GVEA TO ADEC

SAMPLE #? MW6

SAMPLING DATE? 02/03/94

USGS #? AR57

CONTAMINANTS

VALUES -PPB

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1)	
VPH = TPH, GASOLINE (8015-V)	
EPH = TPH, DIESEL (8100)	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E)	
EPH = TPH, RESIDUALS (CRUDE OIL)	
PURGEABLE HALOCARBONS (601)	<0.5-10
BENZENE	<0.5
PURGEABLE AROMATICS, BTEX (602)	
TOTAL BTEX SUM	<0.5
PCB'S	
HERBICIDES	
ARSENIC	
MERCURY	
LEAD	
METALS	

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 115)

CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 75 , SITE NUMBER: 75.14.00, REPORT DATE: 02/24/94

REPORT TITLE: LETTER REPORT--GVEA TO ADEC

SAMPLE #? MW7

SAMPLING DATE? 11/18/93

USGS #? AR58

CONTAMINANTS

VALUES -PPB

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
PURGEABLE HALOCARBONS (601).....	<0.5-2.9
BENZENE.....	<0.5
PURGEABLE AROMATICS, BTEX (602).....	
TOTAL BTEX SUM.....	<0.5
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

(Key # 115)

CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 75 , SITE NUMBER: 75.14.00, REPORT DATE: 02/24/94

REPORT TITLE: LETTER REPORT--GVEA TO ADEC

SAMPLE #? MW7

SAMPLING DATE? 02/03/94

USGS #? AR58

CONTAMINANTS

VALUES -PPB

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
PURGEABLE HALOCARBONS (601).....	<0.5-4.2
BENZENE.....	<0.5
PURGEABLE AROMATICS, BTEX (602).....	
TOTAL BTEX SUM.....	<0.5
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 115)

CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 75 , SITE NUMBER: 75.14.00, REPORT DATE: 02/24/94

REPORT TITLE: LETTER REPORT--GVEA TO ADEC

SAMPLE #? ZHENDE SAMPLING DATE? 11/18/93

USGS #? AR59

CONTAMINANTS

VALUES -PPB

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
PURGEABLE HALOCARBONS (601).....	<0.5-12
BENZENE.....	5.6-6
PURGEABLE AROMATICS, BTEX (602).....	
TOTAL BTEX SUM.....	5.6-6
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

(Key # 115)

CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 75 , SITE NUMBER: 75.14.00, REPORT DATE: 02/24/94

REPORT TITLE: LETTER REPORT--GVEA TO ADEC

SAMPLE #? ZHENDE SAMPLING DATE? 02/03/94

USGS #? AR59

CONTAMINANTS

VALUES -PPB

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
PURGEABLE HALOCARBONS (601).....	<0.5-7.4
BENZENE.....	6.4-6.8
PURGEABLE AROMATICS, BTEX (602).....	
TOTAL BTEX SUM.....	6.4-6.8
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 50)

SITE REPORT

REPORT NUMBER: 10 , SITE NUMBER: 10.15.00, REPORT DATE: 12/01/89
REPORT TITLE: TANK CLOSURE SITE ENVIRONMENTAL ASSESSMENT OF THE OK LUMBER
REPORT BY: MARTECH CONSTRUCTION, INC
REPORT LOCATION: OK LUMBER, FAIRBANKS, AK
PRIOR OWNERSHIP: NOT MENTIONED
WATER LEVELS ONLY: N
NUMBER OF WELLS: 0
NUMBER OF BORINGS: 0
NUMBER OF SURFACE SAMPLES: 0
NUMBER OF GROUNDWATER LEVELS: 0
PERMAFROST: NOT MENTIONED
SURVEYED: N, MAPS: Y, PHOTOS: Y
TYPES OF POTENTIAL SOURCES: W
TYPES OF POTENTIAL CONTAMINANTS: W
REPORT INCLUDES SUBSURFACE SOIL CHEMISTRY DATA: N
REPORT INCLUDES SURFICIAL SOIL CHEMISTRY DATA: N
REPORT INCLUDES GROUNDWATER CHEMISTRY DATA: N
REPORT INCLUDES BULK EXCAVATION DATA: N
REPORT INCLUDES INTERPRETATIVE HYDROLOGY: N
REPORT INCLUDES QUALITY ASSURANCE PROCEDURES: N,
SURFACE STAINS: U
STAINED SOILS: U
OILY SOIL ODOR: U
SHEEN ON WATER: U
FLOATING PRODUCT: U
REVIEWER: ROY IRELAND

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 72)

SITE REPORT

REPORT NUMBER: 29 , SITE NUMBER: 29.16.00, REPORT DATE: 07/12/91
REPORT TITLE: MONITORING REMOVAL OF UNDERGROUND FUEL STORAGE TANK AT SIG W
REPORT BY: SHANNON & WILSON, INC.
REPORT LOCATION: SIG WOLD STORAGE & TRANSFER
PRIOR OWNERSHIP: NOT MENTIONED
WATER LEVELS ONLY: N
NUMBER OF WELLS: 0
NUMBER OF BORINGS: 0
NUMBER OF SURFACE SAMPLES: 0
NUMBER OF GROUNDWATER LEVELS: 0
PERMAFROST: NOT MENTIONED
SURVEYED: N, MAPS: Y, PHOTOS: N
TYPES OF POTENTIAL SOURCES: P
TYPES OF POTENTIAL CONTAMINANTS: G,D
REPORT INCLUDES SUBSURFACE SOIL CHEMISTRY DATA: N
REPORT INCLUDES SURFICIAL SOIL CHEMISTRY DATA: N
REPORT INCLUDES GROUNDWATER CHEMISTRY DATA: N
REPORT INCLUDES BULK EXCAVATION DATA: Y
REPORT INCLUDES INTERPRETATIVE HYDROLOGY: N
REPORT INCLUDES QUALITY ASSURANCE PROCEDURES: N,
SURFACE STAINS: Y
STAINED SOILS: Y
OILY SOIL ODOR: U
SHEEN ON WATER: U
FLOATING PRODUCT: U
REVIEWER: MARY MAURER

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 72)

CHEMISTRY DATA - EXCAVATED SOILS

REPORT NUMBER: 29 , SITE NUMBER: 29.16.00, REPORT DATE: 07/12/91
REPORT TITLE: MONITORING REMOVAL OF UNDERGROUND FUEL STORAGE TANK AT SIG W
SAMPLE #? T1-S1 SAMPLING DATE? 05/31/91 USGS #?
CONTAMINANTS

	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	42000
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	<0.50
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.50-55
TOTAL BTEX SUM.....	74
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

(Key # 72)

CHEMISTRY DATA - EXCAVATED SOILS

REPORT NUMBER: 29 , SITE NUMBER: 29.16.00, REPORT DATE: 07/12/91
REPORT TITLE: MONITORING REMOVAL OF UNDERGROUND FUEL STORAGE TANK AT SIG W
SAMPLE #? T1-S2 SAMPLING DATE? 07/31/91 USGS #?
CONTAMINANTS

	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	8100
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	<1.25
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<1.25-56
TOTAL BTEX SUM.....	68
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

Alaska DNR, Div. of Mining & Water Management
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(Key # 72)

CHEMISTRY DATA - EXCAVATED SOILS

REPORT NUMBER: 29 , SITE NUMBER: 29.16.00, REPORT DATE: 07/12/91
REPORT TITLE: MONITORING REMOVAL OF UNDERGROUND FUEL STORAGE TANK AT SIG W
SAMPLE #? T2-S1 SAMPLING DATE? 05/31/91 USGS #?
CONTAMINANTS

VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	9800
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	<0.25
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.02-120
TOTAL BTEX SUM.....	149.8
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

(Key # 72)

CHEMISTRY DATA - EXCAVATED SOILS

REPORT NUMBER: 29 , SITE NUMBER: 29.16.00, REPORT DATE: 07/12/91
REPORT TITLE: MONITORING REMOVAL OF UNDERGROUND FUEL STORAGE TANK AT SIG W
SAMPLE #? T2-S2 SAMPLING DATE? 05/31/91 USGS #?
CONTAMINANTS

VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	19000
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	<0.25
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.25-91
TOTAL BTEX SUM.....	128
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 72)

CHEMISTRY DATA - EXCAVATED SOILS

REPORT NUMBER: 29 , SITE NUMBER: 29.16.00, REPORT DATE: 07/12/91
REPORT TITLE: MONITORING REMOVAL OF UNDERGROUND FUEL STORAGE TANK AT SIG W
SAMPLE #? T3-S1 SAMPLING DATE? 05/31/91 USGS #?
CONTAMINANTS

	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	<1
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	<1.25
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<1.25-90
TOTAL BTEX SUM.....	114
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

(Key # 72)

CHEMISTRY DATA - EXCAVATED SOILS

REPORT NUMBER: 29 , SITE NUMBER: 29.16.00, REPORT DATE: 07/12/91
REPORT TITLE: MONITORING REMOVAL OF UNDERGROUND FUEL STORAGE TANK AT SIG W
SAMPLE #? T3-S2 SAMPLING DATE? 05/31/91 USGS #?
CONTAMINANTS

	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	1400
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	5.20
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<1.25-86
TOTAL BTEX SUM.....	154.2
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 73)

SITE REPORT

REPORT NUMBER: 30 , SITE NUMBER: 30.16.00, REPORT DATE: 11/01/92
REPORT TITLE: PROJECT WORK PLANS RELEASE INVESTIGATION SIG WOLD STORAGE AN
REPORT BY: SHANNON & WILSON, INC.
REPORT LOCATION: SIG WOLD STORAGE & TRANSFER
PRIOR OWNERSHIP: NOT MENTIONED
WATER LEVELS ONLY: N
NUMBER OF WELLS: 0
NUMBER OF BORINGS: 0
NUMBER OF SURFACE SAMPLES: 0
NUMBER OF GROUNDWATER LEVELS: 0
PERMAFROST: NOT MENTIONED
SURVEYED: N, MAPS: Y, PHOTOS: N
TYPES OF POTENTIAL SOURCES: UG,UD
TYPES OF POTENTIAL CONTAMINANTS: G,D
REPORT INCLUDES SUBSURFACE SOIL CHEMISTRY DATA: N
REPORT INCLUDES SURFICIAL SOIL CHEMISTRY DATA: N
REPORT INCLUDES GROUNDWATER CHEMISTRY DATA: N
REPORT INCLUDES BULK EXCAVATION DATA: N
REPORT INCLUDES INTERPRETATIVE HYDROLOGY: N
REPORT INCLUDES QUALITY ASSURANCE PROCEDURES: N,
SURFACE STAINS: Y
STAINED SOILS: U
OILY SOIL ODOR: U
SHEEN ON WATER: U
FLOATING PRODUCT: U
REVIEWER: MARY MAURER

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 69)

SITE REPORT

REPORT NUMBER: 50 , SITE NUMBER: 50.16.00, REPORT DATE: 04/26/93
REPORT TITLE: RELEASE INVESTIGATION, SIG WOLD STORAGE AND TRANSFER, 1301 W
REPORT BY: SHANNON & WILSON, INC.
REPORT LOCATION: SIG WOLD STORAGE AND TRANSFER
PRIOR OWNERSHIP: NOT MENTIONED
WATER LEVELS ONLY: N
NUMBER OF WELLS: 3
NUMBER OF BORINGS: 0
NUMBER OF SURFACE SAMPLES: 0
NUMBER OF GROUNDWATER LEVELS: 0
PERMAFROST: NOT MENTIONED
SURVEYED: N, MAPS: Y, PHOTOS: N
TYPES OF POTENTIAL SOURCES: 0
TYPES OF POTENTIAL CONTAMINANTS: 0
REPORT INCLUDES SUBSURFACE SOIL CHEMISTRY DATA: Y
REPORT INCLUDES SURFICIAL SOIL CHEMISTRY DATA: N
REPORT INCLUDES GROUNDWATER CHEMISTRY DATA: Y
REPORT INCLUDES BULK EXCAVATION DATA: N
REPORT INCLUDES INTERPRETATIVE HYDROLOGY: N
REPORT INCLUDES QUALITY ASSURANCE PROCEDURES: Y,
SURFACE STAINS: U
STAINED SOILS: U
OILY SOIL ODOR: U
SHEEN ON WATER: U
FLOATING PRODUCT: U
REVIEWER: JIM VOHDEN

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 69)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 50 , SITE NUMBER: 50.16.00, REPORT DATE: 04/26/93
REPORT TITLE: RELEASE INVESTIGATION, SIG WOLD STORAGE AND TRANSFER, 1301 W
SAMPLE #? MW-1 SAMPLING DATE? 04/01/93 USGS #? AR73
CONTAMINANTS VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1)	
VPH = TPH, GASOLINE (8015-V)	<1-29
EPH = TPH, DIESEL (8100)	<10-<10
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E)	
EPH = TPH, RESIDUALS (CRUDE OIL)	
HALOGENATED VOLATILE ORGANICS (8010)	
BENZENE	<0.02-<0.02
AROMATIC VOLATILE ORGANICS, BTEX (8020)	<0.02-<0.04
TOTAL BTEX SUM	<0.04-<0.04
PCB'S	
HERBICIDES	
ARSENIC	
MERCURY	
LEAD	
METALS	

(Key # 69)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 50 , SITE NUMBER: 50.16.00, REPORT DATE: 04/26/93
REPORT TITLE: RELEASE INVESTIGATION, SIG WOLD STORAGE AND TRANSFER, 1301 W
SAMPLE #? MW-2 SAMPLING DATE? 04/01/93 USGS #? AR74
CONTAMINANTS VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1)	
VPH = TPH, GASOLINE (8015-V)	<1-<1
EPH = TPH, DIESEL (8100)	<10-<10
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E)	
EPH = TPH, RESIDUALS (CRUDE OIL)	
HALOGENATED VOLATILE ORGANICS (8010)	
BENZENE	<0.02-<0.02
AROMATIC VOLATILE ORGANICS, BTEX (8020)	<0.02-<0.04
TOTAL BTEX SUM	<0.04-<0.04
PCB'S	
HERBICIDES	
ARSENIC	
MERCURY	
LEAD	
METALS	

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CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 50 , SITE NUMBER: 50.16.00, REPORT DATE: 04/26/93
REPORT TITLE: RELEASE INVESTIGATION, SIG WOLD STORAGE AND TRANSFER, 1301 W
SAMPLE #? MW-3 SAMPLING DATE? 04/02/93 USGS #? AR75
CONTAMINANTS VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	<1-<1
EPH = TPH, DIESEL (8100).....	<10-<10
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	<0.02-<0.02
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.02-0.05
TOTAL BTEX SUM.....	<0.04-0.05
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

(Key # 69)

CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 50 , SITE NUMBER: 50.16.00, REPORT DATE: 04/26/93
REPORT TITLE: RELEASE INVESTIGATION, SIG WOLD STORAGE AND TRANSFER, 1301 W
SAMPLE #? MW-1 SAMPLING DATE? 04/07/93 USGS #? AR73
CONTAMINANTS VALUES -PPB

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	300
VPH = TPH, GASOLINE (8015-V).....	<2
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
PURGEABLE HALOCARBONS (601).....	
BENZENE.....	<1
PURGEABLE AROMATICS, BTEX (602).....	
TOTAL BTEX SUM.....	<2
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

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(Key # 69)

CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 50 , SITE NUMBER: 50.16.00, REPORT DATE: 04/26/93
REPORT TITLE: RELEASE INVESTIGATION, SIG WOLD STORAGE AND TRANSFER, 1301 W
SAMPLE #? MW-2 SAMPLING DATE? 04/07/93 USGS #? AR74
CONTAMINANTS VALUES -PPB

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	<200
VPH = TPH, GASOLINE (8015-V).....	<2
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
PURGEABLE HALOCARBONS (601).....	
BENZENE.....	<1
PURGEABLE AROMATICS, BTEX (602).....	
TOTAL BTEX SUM.....	<2
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

(Key # 69)

CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 50 , SITE NUMBER: 50.16.00, REPORT DATE: 04/26/93
REPORT TITLE: RELEASE INVESTIGATION, SIG WOLD STORAGE AND TRANSFER, 1301 W
SAMPLE #? MW-3 SAMPLING DATE? 04/07/93 USGS #? AR75
CONTAMINANTS VALUES -PPB

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	<200
VPH = TPH, GASOLINE (8015-V).....	<2
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
PURGEABLE HALOCARBONS (601).....	
BENZENE.....	<1
PURGEABLE AROMATICS, BTEX (602).....	
TOTAL BTEX SUM.....	<2
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

Alaska DNR, Div. of Mining & Water Management
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(Key # 80)

SITE REPORT

REPORT NUMBER: 73 , SITE NUMBER: 73.16.00, REPORT DATE: 01/01/94
REPORT TITLE: RELEASE INVESTIGATION SIG WOLD STORAGE AND TRANSFER, INC.
REPORT BY: SHANNON & WILSON, INC.
REPORT LOCATION: SIG WOLD STORAGE AND TRANSFER
PRIOR OWNERSHIP: NOT MENTIONED
WATER LEVELS ONLY: N
NUMBER OF WELLS: 0
NUMBER OF BORINGS: 0
NUMBER OF SURFACE SAMPLES: 0
NUMBER OF GROUNDWATER LEVELS: 0
PERMAFROST: NOT MENTIONED
SURVEYED: N, MAPS: Y, PHOTOS: N
TYPES OF POTENTIAL SOURCES: UG,UD
TYPES OF POTENTIAL CONTAMINANTS: G,D
REPORT INCLUDES SUBSURFACE SOIL CHEMISTRY DATA: N
REPORT INCLUDES SURFICIAL SOIL CHEMISTRY DATA: Y
REPORT INCLUDES GROUNDWATER CHEMISTRY DATA: Y
REPORT INCLUDES BULK EXCAVATION DATA: N
REPORT INCLUDES INTERPRETATIVE HYDROLOGY: Y
REPORT INCLUDES QUALITY ASSURANCE PROCEDURES: Y,
SURFACE STAINS: U
STAINED SOILS: U
OILY SOIL ODOR: U
SHEEN ON WATER: U
FLOATING PRODUCT: U
REVIEWER: MARY MAURER

Alaska DNR, Div. of Mining & Water Management
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(Key # 80)

CHEMISTRY DATA - SURFACE SOIL

REPORT NUMBER: 73 , SITE NUMBER: 73.16.00, REPORT DATE: 01/01/94
REPORT TITLE: RELEASE INVESTIGATION SIG WOLD STORAGE AND TRANSFER, INC.
SAMPLE #? 1028-1 SAMPLING DATE? 10/28/93 USGS #?
CONTAMINANTS

CONTAMINANTS	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	2
EPH = TPH, DIESEL (8100).....	<10
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	<0.02
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.02-0.07
TOTAL BTEX SUM.....	0.10
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

(Key # 80)

CHEMISTRY DATA - SURFACE SOIL

REPORT NUMBER: 73 , SITE NUMBER: 73.16.00, REPORT DATE: 01/01/94
REPORT TITLE: RELEASE INVESTIGATION SIG WOLD STORAGE AND TRANSFER, INC.
SAMPLE #? 1028-2 SAMPLING DATE? 10/28/93 USGS #?
CONTAMINANTS

CONTAMINANTS	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	2
EPH = TPH, DIESEL (8100).....	<10
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	<0.02
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.02-0.06
TOTAL BTEX SUM.....	0.09
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

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CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 73 , SITE NUMBER: 73.16.00, REPORT DATE: 01/01/94
REPORT TITLE: RELEASE INVESTIGATION SIG WOLD STORAGE AND TRANSFER, INC.
SAMPLE #? MW-1 SAMPLING DATE? 07/01/93 USGS #? AR73
CONTAMINANTS VALUES -PPB

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	12
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
PURGEABLE HALOCARBONS (601).....	
BENZENE.....	<1
PURGEABLE AROMATICS, BTEX (602).....	<1-<2
TOTAL BTEX SUM.....	<2
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

(Key # 80)

CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 73 , SITE NUMBER: 73.16.00, REPORT DATE: 01/01/94
REPORT TITLE: RELEASE INVESTIGATION SIG WOLD STORAGE AND TRANSFER, INC.
SAMPLE #? MW-2 SAMPLING DATE? 07/01/93 USGS #? AR74
CONTAMINANTS VALUES -PPB

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	<0.2
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
PURGEABLE HALOCARBONS (601).....	
BENZENE.....	<1
PURGEABLE AROMATICS, BTEX (602).....	<1-<2
TOTAL BTEX SUM.....	<2
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

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CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 73 , SITE NUMBER: 73.16.00, REPORT DATE: 01/01/94
REPORT TITLE: RELEASE INVESTIGATION SIG WOLD STORAGE AND TRANSFER, INC.
SAMPLE #? MW-3 SAMPLING DATE? 07/01/93 USGS #? AR75

CONTAMINANTS	VALUES -PPB
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	<0.2
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
PURGEABLE HALOCARBONS (601).....	
BENZENE.....	<1-<2
PURGEABLE AROMATICS, BTEX (602).....	<1-<4
TOTAL BTEX SUM.....	<2-<4
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

Alaska DNR, Div. of Mining & Water Management
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(Key # 31)

SITE REPORT

REPORT NUMBER: 21 , SITE NUMBER: 21.17.00, REPORT DATE: 10/01/92
REPORT TITLE: GEIST/JOHANSON EXPRESSWAY, ILLINOIS STREET HAZARDOUS WASTE I
REPORT BY: SHANNON & WILSON, INC.
REPORT LOCATION: R & S MACHINE
PRIOR OWNERSHIP: NOT MENTIONED
WATER LEVELS ONLY: N
NUMBER OF WELLS: 0
NUMBER OF BORINGS: 2
NUMBER OF SURFACE SAMPLES: 0
NUMBER OF GROUNDWATER LEVELS: 2
PERMAFROST: NOT MENTIONED
SURVEYED: N, MAPS: Y, PHOTOS: N
TYPES OF POTENTIAL SOURCES:
TYPES OF POTENTIAL CONTAMINANTS:
REPORT INCLUDES SUBSURFACE SOIL CHEMISTRY DATA: Y
REPORT INCLUDES SURFICIAL SOIL CHEMISTRY DATA: N
REPORT INCLUDES GROUNDWATER CHEMISTRY DATA: N
REPORT INCLUDES BULK EXCAVATION DATA: N
REPORT INCLUDES INTERPRETATIVE HYDROLOGY: N
REPORT INCLUDES QUALITY ASSURANCE PROCEDURES: Y,
SURFACE STAINS: U
STAINED SOILS: U
OILY SOIL ODOR: U
SHEEN ON WATER: U
FLOATING PRODUCT: U
REVIEWER: MARY MAURER

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 31)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 21 , SITE NUMBER: 21.17.00, REPORT DATE: 10/01/92
REPORT TITLE: GEIST/JOHANSON EXPRESSWAY, ILLINOIS STREET HAZARDOUS WASTE I
SAMPLE #? B-5 SAMPLING DATE? 05/20/92 USGS #? ARB23
CONTAMINANTS VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	<10-<10
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	<0.002-<0.02
BENZENE.....	
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	
TOTAL BTEX SUM.....	
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	8.8-11
MERCURY.....	<1-<1
LEAD.....	7.3-7.5
METALS.....	<0.5-11

(Key # 31)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 21 , SITE NUMBER: 21.17.00, REPORT DATE: 10/01/92
REPORT TITLE: GEIST/JOHANSON EXPRESSWAY, ILLINOIS STREET HAZARDOUS WASTE I
SAMPLE #? B-6 SAMPLING DATE? 05/21/92 USGS #? ARB24
CONTAMINANTS VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	<10
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	<0.002-<0.02
BENZENE.....	
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	
TOTAL BTEX SUM.....	
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	6.0-7.6
MERCURY.....	<1-<1
LEAD.....	4.7-5.1
METALS.....	<0.5-5.6

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(Key # 30)

SITE REPORT

REPORT NUMBER: 21 , SITE NUMBER: 21.18.00, REPORT DATE: 10/01/92
REPORT TITLE: GEIST/JOHANSON EXPRESSWAY, ILLINOIS STREET HAZARDOUS WASTE I
REPORT BY: SHANNON & WILSON, INC.
REPORT LOCATION: SAMSON HARDWARE
PRIOR OWNERSHIP: NOT MENTIONED
WATER LEVELS ONLY: N
NUMBER OF WELLS: 0
NUMBER OF BORINGS: 4
NUMBER OF SURFACE SAMPLES: 0
NUMBER OF GROUNDWATER LEVELS: 4
PERMAFROST: NOT MENTIONED
SURVEYED: N, MAPS: Y, PHOTOS: N
TYPES OF POTENTIAL SOURCES: UG,O
TYPES OF POTENTIAL CONTAMINANTS: G,O
REPORT INCLUDES SUBSURFACE SOIL CHEMISTRY DATA: Y
REPORT INCLUDES SURFICIAL SOIL CHEMISTRY DATA: N
REPORT INCLUDES GROUNDWATER CHEMISTRY DATA: N
REPORT INCLUDES BULK EXCAVATION DATA: N
REPORT INCLUDES INTERPRETATIVE HYDROLOGY: N
REPORT INCLUDES QUALITY ASSURANCE PROCEDURES: Y, SURFACE STAINS: U
STAINED SOILS: U
OILY SOIL ODOR: U
SHEEN ON WATER: U
FLOATING PRODUCT: U
REVIEWER: MARY MAURER

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 30)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 21 , SITE NUMBER: 21.18.00, REPORT DATE: 10/01/92
REPORT TITLE: GEIST/JOHANSON EXPRESSWAY, ILLINOIS STREET HAZARDOUS WASTE I
SAMPLE #? B-1 SAMPLING DATE? 05/20/92 USGS #? ARB19
CONTAMINANTS VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	<2
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	<0.02
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.02-<0.04
TOTAL BTEX SUM.....	<0.02
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

(Key # 30)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 21 , SITE NUMBER: 21.18.00, REPORT DATE: 10/01/92
REPORT TITLE: GEIST/JOHANSON EXPRESSWAY, ILLINOIS STREET HAZARDOUS WASTE I
SAMPLE #? B-2 SAMPLING DATE? 05/20/92 USGS #? ARB20
CONTAMINANTS VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	18
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	<0.02
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.02-<3.6
TOTAL BTEX SUM.....	<0.02
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 30)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 21 , SITE NUMBER: 21.18.00, REPORT DATE: 10/01/92
REPORT TITLE: GEIST/JOHANSON EXPRESSWAY, ILLINOIS STREET HAZARDOUS WASTE I
SAMPLE #? B-3 SAMPLING DATE? 05/20/92 USGS #? ARB21
CONTAMINANTS VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1)	
VPH = TPH, GASOLINE (8015-V)	
EPH = TPH, DIESEL (8100)	<10
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E)	
EPH = TPH, RESIDUALS (CRUDE OIL)	
HALOGENATED VOLATILE ORGANICS (8010)	<0.002
BENZENE	
AROMATIC VOLATILE ORGANICS, BTEX (8020)	
TOTAL BTEX SUM	
PCB'S	
HERBICIDES	
ARSENIC	9.3
MERCURY	<1
LEAD	7.2
METALS	<0.5-7.9

(Key # 30)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 21 , SITE NUMBER: 21.18.00, REPORT DATE: 10/01/92
REPORT TITLE: GEIST/JOHANSON EXPRESSWAY, ILLINOIS STREET HAZARDOUS WASTE I
SAMPLE #? B-4 SAMPLING DATE? 05/20/92 USGS #? ARB22
CONTAMINANTS VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1)	
VPH = TPH, GASOLINE (8015-V)	
EPH = TPH, DIESEL (8100)	20
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E)	
EPH = TPH, RESIDUALS (CRUDE OIL)	
HALOGENATED VOLATILE ORGANICS (8010)	0.15
BENZENE	
AROMATIC VOLATILE ORGANICS, BTEX (8020)	
TOTAL BTEX SUM	
PCB'S	
HERBICIDES	
ARSENIC	10
MERCURY	<1
LEAD	120
METALS	0.7-7.7

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 19)

SITE REPORT

REPORT NUMBER: 3 , SITE NUMBER: 03.19.00, REPORT DATE: 05/01/92
REPORT TITLE: PRELIMINARY ASSESSMENT OF POTENTIAL OFF-SITE HYDROCARBON SOU
REPORT BY: SHANNON & WILSON, INC.
REPORT LOCATION: FAIRBANKS MUNICIPAL UTILITIES
PRIOR OWNERSHIP: NOT MENTIONED
WATER LEVELS ONLY: N
NUMBER OF WELLS: 6
NUMBER OF BORINGS: 0
NUMBER OF SURFACE SAMPLES: 0
NUMBER OF GROUNDWATER LEVELS: 18
PERMAFROST: NOT MENTIONED
SURVEYED: N, MAPS: Y, PHOTOS: N
TYPES OF POTENTIAL SOURCES: UG
TYPES OF POTENTIAL CONTAMINANTS:
REPORT INCLUDES SUBSURFACE SOIL CHEMISTRY DATA: Y
REPORT INCLUDES SURFICIAL SOIL CHEMISTRY DATA: N
REPORT INCLUDES GROUNDWATER CHEMISTRY DATA: Y
REPORT INCLUDES BULK EXCAVATION DATA: N
REPORT INCLUDES INTERPRETATIVE HYDROLOGY: N
REPORT INCLUDES QUALITY ASSURANCE PROCEDURES: Y, SURFACE STAINS: U
STAINED SOILS: U
OILY SOIL ODOR: U
SHEEN ON WATER: U
FLOATING PRODUCT: U

REVIEWER: MARY MAURER

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 19)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 3 , SITE NUMBER: 03.19.00, REPORT DATE: 05/01/92
REPORT TITLE: PRELIMINARY ASSESSMENT OF POTENTIAL OFF-SITE HYDROCARBON SOU
SAMPLE #? MW-27 SAMPLING DATE? 10/30/91 USGS #? AR19
CONTAMINANTS VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	<0.1
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.1-<0.4
TOTAL BTEX SUM.....	<0.1
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

(Key # 19)

CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 3 , SITE NUMBER: 03.19.00, REPORT DATE: 05/01/92
REPORT TITLE: PRELIMINARY ASSESSMENT OF POTENTIAL OFF-SITE HYDROCARBON SOU
SAMPLE #? DW-3 SAMPLING DATE? 05/07/91 USGS #?
CONTAMINANTS VALUES -PPB

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
PURGEABLE HALOCARBONS (601).....	
BENZENE.....	0.6
PURGEABLE AROMATICS, BTEX (602).....	0.2-0.7
TOTAL BTEX SUM.....	1.3
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 19)

CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 3 , SITE NUMBER: 03.19.00, REPORT DATE: 05/01/92
REPORT TITLE: PRELIMINARY ASSESSMENT OF POTENTIAL OFF-SITE HYDROCARBON SOU
SAMPLE #? DW-3 SAMPLING DATE? 06/03/91 USGS #?
CONTAMINANTS

VALUES -PPB

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
PURGEABLE HALOCARBONS (601).....	
BENZENE.....	10
PURGEABLE AROMATICS, BTEX (602).....	<0.2-10
TOTAL BTEX SUM.....	10
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

(Key # 19)

CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 3 , SITE NUMBER: 03.19.00, REPORT DATE: 05/01/92
REPORT TITLE: PRELIMINARY ASSESSMENT OF POTENTIAL OFF-SITE HYDROCARBON SOU
SAMPLE #? MW-25 SAMPLING DATE? 05/06/91 USGS #? AR17
CONTAMINANTS

VALUES -PPB

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
PURGEABLE HALOCARBONS (601).....	
BENZENE.....	2.0
PURGEABLE AROMATICS, BTEX (602).....	<0.2-2.0
TOTAL BTEX SUM.....	2.6
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

Alaska DNR, Div. of Mining & Water Management
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(Key # 19)

CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 3 , SITE NUMBER: 03.19.00, REPORT DATE: 05/01/92
REPORT TITLE: PRELIMINARY ASSESSMENT OF POTENTIAL OFF-SITE HYDROCARBON SOU
SAMPLE #? MW-25 SAMPLING DATE? 06/03/91 USGS #? AR17
CONTAMINANTS VALUES -PPB

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
PURGEABLE HALOCARBONS (601).....	
BENZENE.....	<0.2
PURGEABLE AROMATICS, BTEX (602).....	<0.2-<0.6
TOTAL BTEX SUM.....	<0.2
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

(Key # 19)

CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 3 , SITE NUMBER: 03.19.00, REPORT DATE: 05/01/92
REPORT TITLE: PRELIMINARY ASSESSMENT OF POTENTIAL OFF-SITE HYDROCARBON SOU
SAMPLE #? MW-25 SAMPLING DATE? 04/08/92 USGS #? AR17
CONTAMINANTS VALUES -PPB

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
PURGEABLE HALOCARBONS (601).....	<0.2-4.0
BENZENE.....	1.8
PURGEABLE AROMATICS, BTEX (602).....	<0.2-1.8
TOTAL BTEX SUM.....	1.8
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	5530 (FE)

Alaska DNR, Div. of Mining & Water Management
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(Key # 19)

CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 3 , SITE NUMBER: 03.19.00, REPORT DATE: 05/01/92
REPORT TITLE: PRELIMINARY ASSESSMENT OF POTENTIAL OFF-SITE HYDROCARBON SOU
SAMPLE #? MW-26 SAMPLING DATE? 05/06/91 USGS #? AR18
CONTAMINANTS VALUES -PPB

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
PURGEABLE HALOCARBONS (601).....	
BENZENE.....	23
PURGEABLE AROMATICS, BTEX (602).....	<0.2-23
TOTAL BTEX SUM.....	23.6
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

(Key # 19)

CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 3 , SITE NUMBER: 03.19.00, REPORT DATE: 05/01/92
REPORT TITLE: PRELIMINARY ASSESSMENT OF POTENTIAL OFF-SITE HYDROCARBON SOU
SAMPLE #? MW-26 SAMPLING DATE? 06/03/91 USGS #? AR18
CONTAMINANTS VALUES -PPB

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
PURGEABLE HALOCARBONS (601).....	
BENZENE.....	8.2
PURGEABLE AROMATICS, BTEX (602).....	<0.2-8.2
TOTAL BTEX SUM.....	8.2
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

Alaska DNR, Div. of Mining & Water Management
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(Key # 19)

CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 3 , SITE NUMBER: 03.19.00, REPORT DATE: 05/01/92
REPORT TITLE: PRELIMINARY ASSESSMENT OF POTENTIAL OFF-SITE HYDROCARBON SOU
SAMPLE #? MW-26 SAMPLING DATE? 04/08/92 USGS #? AR18
CONTAMINANTS VALUES -PPB

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
PURGEABLE HALOCARBONS (601).....	<0.2-6.4
BENZENE.....	22
PURGEABLE AROMATICS, BTEX (602).....	<0.2-22
TOTAL BTEX SUM.....	22
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	8390 (FE)

(Key # 19)

CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 3 , SITE NUMBER: 03.19.00, REPORT DATE: 05/01/92
REPORT TITLE: PRELIMINARY ASSESSMENT OF POTENTIAL OFF-SITE HYDROCARBON SOU
SAMPLE #? MW-27 SAMPLING DATE? 11/07/91 USGS #? AR19
CONTAMINANTS VALUES -PPB

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
PURGEABLE HALOCARBONS (601).....	
BENZENE.....	66
PURGEABLE AROMATICS, BTEX (602).....	<0.2-66
TOTAL BTEX SUM.....	66
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

Alaska DNR, Div. of Mining & Water Management
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(Key # 19)

CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 3 , SITE NUMBER: 03.19.00, REPORT DATE: 05/01/92
REPORT TITLE: PRELIMINARY ASSESSMENT OF POTENTIAL OFF-SITE HYDROCARBON SOU
SAMPLE #? MW-27 SAMPLING DATE? 04/09/92 USGS #? AR19
CONTAMINANTS VALUES -PPB

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
PURGEABLE HALOCARBONS (601).....	<0.2-7.2
BENZENE.....	10
PURGEABLE AROMATICS, BTEX (602).....	<0.2-10
TOTAL BTEX SUM.....	10
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	8020 (FE)

(Key # 19)

CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 3 , SITE NUMBER: 03.19.00, REPORT DATE: 05/01/92
REPORT TITLE: PRELIMINARY ASSESSMENT OF POTENTIAL OFF-SITE HYDROCARBON SOU
SAMPLE #? MW-28 SAMPLING DATE? 11/07/91 USGS #? AR20
CONTAMINANTS VALUES -PPB

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
PURGEABLE HALOCARBONS (601).....	
BENZENE.....	0.3
PURGEABLE AROMATICS, BTEX (602).....	<0.2-0.3
TOTAL BTEX SUM.....	0.3
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

Alaska DNR, Div. of Mining & Water Management
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(Key # 19)

CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 3 , SITE NUMBER: 03.19.00, REPORT DATE: 05/01/92
REPORT TITLE: PRELIMINARY ASSESSMENT OF POTENTIAL OFF-SITE HYDROCARBON SOU
SAMPLE #? MW-28 SAMPLING DATE? 04/09/92 USGS #? AR20
CONTAMINANTS VALUES -PPB

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
PURGEABLE HALOCARBONS (601).....	<0.2-27.0
BENZENE.....	<0.2
PURGEABLE AROMATICS, BTEX (602).....	<0.2-<0.6
TOTAL BTEX SUM.....	<0.2
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	2830 (FE)

(Key # 19)

CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 3 , SITE NUMBER: 03.19.00, REPORT DATE: 05/01/92
REPORT TITLE: PRELIMINARY ASSESSMENT OF POTENTIAL OFF-SITE HYDROCARBON SOU
SAMPLE #? MW-29 SAMPLING DATE? 11/22/91 USGS #? AR21
CONTAMINANTS VALUES -PPB

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
PURGEABLE HALOCARBONS (601).....	
BENZENE.....	140
PURGEABLE AROMATICS, BTEX (602).....	<0.2-140
TOTAL BTEX SUM.....	140
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

Alaska DNR, Div. of Mining & Water Management
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(Key # 19)

CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 3 , SITE NUMBER: 03.19.00, REPORT DATE: 05/01/92
REPORT TITLE: PRELIMINARY ASSESSMENT OF POTENTIAL OFF-SITE HYDROCARBON SOU
SAMPLE #? MW-29 SAMPLING DATE? 04/09/92 USGS #? AR21
CONTAMINANTS VALUES -PPB

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
PURGEABLE HALOCARBONS (601).....	<0.2-10.0
BENZENE.....	82
PURGEABLE AROMATICS, BTEX (602).....	<0.2-82
TOTAL BTEX SUM.....	82.9
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	8230

(Key # 19)

CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 3 , SITE NUMBER: 03.19.00, REPORT DATE: 05/01/92
REPORT TITLE: PRELIMINARY ASSESSMENT OF POTENTIAL OFF-SITE HYDROCARBON SOU
SAMPLE #? MW-30 SAMPLING DATE? 11/22/91 USGS #? AR22
CONTAMINANTS VALUES -PPB

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
PURGEABLE HALOCARBONS (601).....	
BENZENE.....	89
PURGEABLE AROMATICS, BTEX (602).....	<0.2-89
TOTAL BTEX SUM.....	89
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 19)

CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 3 , SITE NUMBER: 03.19.00, REPORT DATE: 05/01/92
REPORT TITLE: PRELIMINARY ASSESSMENT OF POTENTIAL OFF-SITE HYDROCARBON SOU
SAMPLE #? MW-30 SAMPLING DATE? 04/09/92 USGS #? AR22
CONTAMINANTS VALUES -PPB

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
PURGEABLE HALOCARBONS (601).....	<0.2-11.0
BENZENE.....	38
PURGEABLE AROMATICS, BTEX (602).....	<0.2-38
TOTAL BTEX SUM.....	38
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	9480 (FE)

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 33)

SITE REPORT

REPORT NUMBER: 4 , SITE NUMBER: 04.19.00, REPORT DATE: 01/01/84
REPORT TITLE: MUNICIPAL UTILITIES SYSTEM WATER TREATMENT PLANT, CITY OF FA
REPORT BY: JAMES M. MONTGOMERY INC.
REPORT LOCATION: FAIRBANKS MUNICIPAL UTILITIES
PRIOR OWNERSHIP: NOT MENTIONED
WATER LEVELS ONLY: Y
NUMBER OF WELLS: 0
NUMBER OF BORINGS: 0
NUMBER OF SURFACE SAMPLES: 0
NUMBER OF GROUNDWATER LEVELS: 2
PERMAFROST: NOT MENTIONED
SURVEYED: N, MAPS: N, PHOTOS: Y
TYPES OF POTENTIAL SOURCES:
TYPES OF POTENTIAL CONTAMINANTS:
REPORT INCLUDES SUBSURFACE SOIL CHEMISTRY DATA: N
REPORT INCLUDES SURFICIAL SOIL CHEMISTRY DATA: N
REPORT INCLUDES GROUNDWATER CHEMISTRY DATA: N
REPORT INCLUDES BULK EXCAVATION DATA: N
REPORT INCLUDES INTERPRETATIVE HYDROLOGY: Y
REPORT INCLUDES QUALITY ASSURANCE PROCEDURES: N, SURFACE STAINS: U
STAINED SOILS: U
OILY SOIL ODOR: U
SHEEN ON WATER: U
FLOATING PRODUCT: U
REVIEWER: MARY MAURER

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 37)

SITE REPORT

REPORT NUMBER: 12 , SITE NUMBER: 12.19.00, REPORT DATE: 02/01/91
REPORT TITLE: CONTAMINATION OF A MUNICIPAL WELL FIELD: A CASE HISTORY OF A
REPORT BY: SHANNON & WILSON, INC.
REPORT LOCATION: FAIRBANKS MUNICIPAL UTILITIES
PRIOR OWNERSHIP: NOT MENTIONED
WATER LEVELS ONLY: N
NUMBER OF WELLS: 1
NUMBER OF BORINGS: 0
NUMBER OF SURFACE SAMPLES: 0
NUMBER OF GROUNDWATER LEVELS: 1
PERMAFROST: NOT MENTIONED
SURVEYED: N, MAPS: Y, PHOTOS: N
TYPES OF POTENTIAL SOURCES: UG,D,P
TYPES OF POTENTIAL CONTAMINANTS: G,D
REPORT INCLUDES SUBSURFACE SOIL CHEMISTRY DATA: N
REPORT INCLUDES SURFICIAL SOIL CHEMISTRY DATA: N
REPORT INCLUDES GROUNDWATER CHEMISTRY DATA: N
REPORT INCLUDES BULK EXCAVATION DATA: N
REPORT INCLUDES INTERPRETATIVE HYDROLOGY: Y
REPORT INCLUDES QUALITY ASSURANCE PROCEDURES: N,
SURFACE STAINS: U
STAINED SOILS: Y
OILY SOIL ODOR: Y
SHEEN ON WATER: Y
FLOATING PRODUCT: Y
REVIEWER: MARY MAURER

Alaska DNR, Div. of Mining & Water Management
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(Key # 99)

SITE REPORT

REPORT NUMBER: 53 , SITE NUMBER: 53.19.00, REPORT DATE: 01/01/84
REPORT TITLE: HYDROGEOLOGIC EVALUATION AND AQUIFER TEST ANALYSIS -- MUS
REPORT BY: JAMES M. MONTGOMERY INC.
REPORT LOCATION: FAIRBANKS MUNICIPAL UTILITIES
PRIOR OWNERSHIP: NONE
WATER LEVELS ONLY: N
NUMBER OF WELLS: 0
NUMBER OF BORINGS: 0
NUMBER OF SURFACE SAMPLES: 0
NUMBER OF GROUNDWATER LEVELS: 0
PERMAFROST: NOT MENTIONED
SURVEYED: N, MAPS: Y, PHOTOS: N
TYPES OF POTENTIAL SOURCES:
TYPES OF POTENTIAL CONTAMINANTS:
REPORT INCLUDES SUBSURFACE SOIL CHEMISTRY DATA: N
REPORT INCLUDES SURFICIAL SOIL CHEMISTRY DATA: N
REPORT INCLUDES GROUNDWATER CHEMISTRY DATA: N
REPORT INCLUDES BULK EXCAVATION DATA: N
REPORT INCLUDES INTERPRETATIVE HYDROLOGY: Y
REPORT INCLUDES QUALITY ASSURANCE PROCEDURES: N,
SURFACE STAINS: U
STAINED SOILS: U
OILY SOIL ODOR: U
SHEEN ON WATER: U
FLOATING PRODUCT: U
REVIEWER: J VOHDEN

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 100)

SITE REPORT

REPORT NUMBER: 54 , SITE NUMBER: 54.19.00, REPORT DATE: 05/02/91
REPORT TITLE: SITE ASSESSMENT FOR CITY OF FBKS, MUS, TANK FARM DIKE PROJEC
REPORT BY: CITY OF FAIRBANKS ENGINEER
REPORT LOCATION: FAIRBANKS MUNICIPAL UTILITIES
PRIOR OWNERSHIP: NONE
WATER LEVELS ONLY: N
NUMBER OF WELLS: 5
NUMBER OF BORINGS: 12
NUMBER OF SURFACE SAMPLES: 0
NUMBER OF GROUNDWATER LEVELS: 0
PERMAFROST: NOT MENTIONED
SURVEYED: N, MAPS: Y, PHOTOS: N
TYPES OF POTENTIAL SOURCES: PD
TYPES OF POTENTIAL CONTAMINANTS: D
REPORT INCLUDES SUBSURFACE SOIL CHEMISTRY DATA: Y
REPORT INCLUDES SURFICIAL SOIL CHEMISTRY DATA: N
REPORT INCLUDES GROUNDWATER CHEMISTRY DATA: N
REPORT INCLUDES BULK EXCAVATION DATA: N
REPORT INCLUDES INTERPRETATIVE HYDROLOGY: N
REPORT INCLUDES QUALITY ASSURANCE PROCEDURES: Y,
SURFACE STAINS: U
STAINED SOILS: U
OILY SOIL ODOR: U
SHEEN ON WATER: U
FLOATING PRODUCT: U
REVIEWER: J VOHDEN

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 100)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 54 , SITE NUMBER: 54.16.00, REPORT DATE: 05/02/91
REPORT TITLE: SITE ASSESSMENT FOR CITY OF FBKS, MUS, TANK FARM DIKE PROJEC
SAMPLE #? 10206 SAMPLING DATE? 02/20/91 USGS #?

CONTAMINANTS	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	187
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	53
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	<0.01
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.01-0.05
TOTAL BTEX SUM.....	0.1
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

(Key # 100)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 54 , SITE NUMBER: 54.16.00, REPORT DATE: 05/02/91
REPORT TITLE: SITE ASSESSMENT FOR CITY OF FBKS, MUS, TANK FARM DIKE PROJEC
SAMPLE #? 10207 SAMPLING DATE? 02/20/91 USGS #?

CONTAMINANTS	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	<5
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	<0.01
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.01-<0.04
TOTAL BTEX SUM.....	<0.01
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

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CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 54 , SITE NUMBER: 54.16.00, REPORT DATE: 05/02/91
REPORT TITLE: SITE ASSESSMENT FOR CITY OF FBKS, MUS, TANK FARM DIKE PROJEC
SAMPLE #? 10304 SAMPLING DATE? 02/20/91 USGS #?
CONTAMINANTS

	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	<5
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	<0.01
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.01-<0.04
TOTAL BTEX SUM.....	<0.01
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

(Key # 100)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 54 , SITE NUMBER: 54.16.00, REPORT DATE: 05/02/91
REPORT TITLE: SITE ASSESSMENT FOR CITY OF FBKS, MUS, TANK FARM DIKE PROJEC
SAMPLE #? 10309 SAMPLING DATE? 02/20/91 USGS #?
CONTAMINANTS

	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	33
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	<5
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	<0.01
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.01-<0.04
TOTAL BTEX SUM.....	<0.01
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

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(Key # 100)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 54 , SITE NUMBER: 54.16.00, REPORT DATE: 05/02/91
REPORT TITLE: SITE ASSESSMENT FOR CITY OF FBKS, MUS, TANK FARM DIKE PROJEC
SAMPLE #? 10403 SAMPLING DATE? 02/20/91 USGS #?
CONTAMINANTS

CONTAMINANTS	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	120
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	<5
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	<0.01
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.01-<0.04
TOTAL BTEX SUM.....	<0.01
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

(Key # 100)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 54 , SITE NUMBER: 54.16.00, REPORT DATE: 05/02/91
REPORT TITLE: SITE ASSESSMENT FOR CITY OF FBKS, MUS, TANK FARM DIKE PROJEC
SAMPLE #? 10405 SAMPLING DATE? 02/20/91 USGS #?
CONTAMINANTS

CONTAMINANTS	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	100
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	<5
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	<0.01
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.01-0.06
TOTAL BTEX SUM.....	0.11
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

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CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 54 , SITE NUMBER: 54.16.00, REPORT DATE: 05/02/91
REPORT TITLE: SITE ASSESSMENT FOR CITY OF FBKS, MUS, TANK FARM DIKE PROJEC
SAMPLE #? 104-08 SAMPLING DATE? 02/20/91 USGS #?
CONTAMINANTS

CONTAMINANTS	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	24
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	<5
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	<0.01
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.01-<0.04
TOTAL BTEX SUM.....	<0.01
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

(Key # 100)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 54 , SITE NUMBER: 54.16.00, REPORT DATE: 05/02/91
REPORT TITLE: SITE ASSESSMENT FOR CITY OF FBKS, MUS, TANK FARM DIKE PROJEC
SAMPLE #? 105-01 SAMPLING DATE? 02/22/91 USGS #?
CONTAMINANTS

CONTAMINANTS	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	122
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	6.1
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	<0.01
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.01-<0.04
TOTAL BTEX SUM.....	<0.01
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

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CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 54 , SITE NUMBER: 54.16.00, REPORT DATE: 05/02/91
REPORT TITLE: SITE ASSESSMENT FOR CITY OF FBKS, MUS, TANK FARM DIKE PROJEC
SAMPLE #? 105-08 SAMPLING DATE? 02/22/91 USGS #?
CONTAMINANTS

	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	25
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	<0.01
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.01-<0.04
TOTAL BTEX SUM.....	<0.01
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

(Key # 100)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 54 , SITE NUMBER: 54.16.00, REPORT DATE: 05/02/91
REPORT TITLE: SITE ASSESSMENT FOR CITY OF FBKS, MUS, TANK FARM DIKE PROJEC
SAMPLE #? 105-09 SAMPLING DATE? 02/22/91 USGS #?
CONTAMINANTS

	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	29
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	<5
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	<0.01
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.01-0.04
TOTAL BTEX SUM.....	0.04
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

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CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 54 , SITE NUMBER: 54.16.00, REPORT DATE: 05/02/91
REPORT TITLE: SITE ASSESSMENT FOR CITY OF FBKS, MUS, TANK FARM DIKE PROJEC
SAMPLE #? 105-10 SAMPLING DATE? 02/22/91 USGS #?

CONTAMINANTS	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	33
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	<5
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	<0.01
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.01-<0.04
TOTAL BTEX SUM.....	<0.01
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

(Key # 100)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 54 , SITE NUMBER: 54.16.00, REPORT DATE: 05/02/91
REPORT TITLE: SITE ASSESSMENT FOR CITY OF FBKS, MUS, TANK FARM DIKE PROJEC
SAMPLE #? 106-01 SAMPLING DATE? 02/22/91 USGS #?

CONTAMINANTS	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	62
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	20
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	<0.01
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.01-0.06
TOTAL BTEX SUM.....	0.06
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

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CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 54 , SITE NUMBER: 54.16.00, REPORT DATE: 05/02/91
REPORT TITLE: SITE ASSESSMENT FOR CITY OF FBKS, MUS, TANK FARM DIKE PROJEC
SAMPLE #? 106-06 SAMPLING DATE? 02/22/91 USGS #?

CONTAMINANTS	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	<5
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	<0.01
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.01-<0.04
TOTAL BTEX SUM.....	<0.01
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

(Key # 100)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 54 , SITE NUMBER: 54.16.00, REPORT DATE: 05/02/91
REPORT TITLE: SITE ASSESSMENT FOR CITY OF FBKS, MUS, TANK FARM DIKE PROJEC
SAMPLE #? 106-07 SAMPLING DATE? 02/22/91 USGS #?

CONTAMINANTS	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	<5
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	<0.01
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.01-<0.04
TOTAL BTEX SUM.....	<0.01
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

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CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 54 , SITE NUMBER: 54.16.00, REPORT DATE: 05/02/91
REPORT TITLE: SITE ASSESSMENT FOR CITY OF FBKS, MUS, TANK FARM DIKE PROJEC
SAMPLE #? 107-01 SAMPLING DATE? 02/22/91 USGS #?
CONTAMINANTS

CONTAMINANTS	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	97
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	<5
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	<0.01
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.01-<0.04
TOTAL BTEX SUM.....	<0.01
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

(Key # 100)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 54 , SITE NUMBER: 54.16.00, REPORT DATE: 05/02/91
REPORT TITLE: SITE ASSESSMENT FOR CITY OF FBKS, MUS, TANK FARM DIKE PROJEC
SAMPLE #? 107-07 SAMPLING DATE? 02/22/91 USGS #?
CONTAMINANTS

CONTAMINANTS	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	<5
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	<0.01
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.01-<0.04
TOTAL BTEX SUM.....	<0.01
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

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CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 54 , SITE NUMBER: 54.16.00, REPORT DATE: 05/02/91
REPORT TITLE: SITE ASSESSMENT FOR CITY OF FBKS, MUS, TANK FARM DIKE PROJEC
SAMPLE #? 107-08 SAMPLING DATE? 02/22/91 USGS #?

CONTAMINANTS	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	193
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	67
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	<0.01
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.01-<0.04
TOTAL BTEX SUM.....	<0.01
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

(Key # 100)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 54 , SITE NUMBER: 54.16.00, REPORT DATE: 05/02/91
REPORT TITLE: SITE ASSESSMENT FOR CITY OF FBKS, MUS, TANK FARM DIKE PROJEC
SAMPLE #? 107-09 SAMPLING DATE? 02/22/91 USGS #?

CONTAMINANTS	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	47
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	<5
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	<0.01
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.01-<0.04
TOTAL BTEX SUM.....	<0.01
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

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SITE REPORT

REPORT NUMBER: 55 , SITE NUMBER: 55.19.00, REPORT DATE: 03/29/90
REPORT TITLE: SITE CONTAMINATION ASSESSMENT REPORT, MUS POWER PLANT PETROL
REPORT BY: SHANNON & WILSON, INC.
REPORT LOCATION: FAIRBANKS MUNICIPAL UTILITIES
PRIOR OWNERSHIP: NOT MENTIONED
WATER LEVELS ONLY: N
NUMBER OF WELLS: 9
NUMBER OF BORINGS: 0
NUMBER OF SURFACE SAMPLES: 0
NUMBER OF GROUNDWATER LEVELS: 9
PERMAFROST: NOT MENTIONED
SURVEYED: N, MAPS: Y, PHOTOS: N
TYPES OF POTENTIAL SOURCES:
TYPES OF POTENTIAL CONTAMINANTS:
REPORT INCLUDES SUBSURFACE SOIL CHEMISTRY DATA: Y
REPORT INCLUDES SURFICIAL SOIL CHEMISTRY DATA: N
REPORT INCLUDES GROUNDWATER CHEMISTRY DATA: Y
REPORT INCLUDES BULK EXCAVATION DATA: N
REPORT INCLUDES INTERPRETATIVE HYDROLOGY: Y
REPORT INCLUDES QUALITY ASSURANCE PROCEDURES: Y,
SURFACE STAINS: U
STAINED SOILS: Y
OILY SOIL ODOR: Y
SHEEN ON WATER: Y
FLOATING PRODUCT: Y
REVIEWER: MARY MAURER

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 86)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 55 , SITE NUMBER: 55.19.00, REPORT DATE: 03/29/90
REPORT TITLE: SITE CONTAMINATION ASSESSMENT REPORT, MUS POWER PLANT PETROL
SAMPLE #? MW-16 SAMPLING DATE? 11/28/89 USGS #?
CONTAMINANTS

	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	<15-<15
EPH = TPH, DIESEL (8100).....	900-3300
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	<0.1-<0.5
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.1-7.9
TOTAL BTEX SUM.....	3.6-10.9
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

(Key # 86)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 55 , SITE NUMBER: 55.19.00, REPORT DATE: 03/29/90
REPORT TITLE: SITE CONTAMINATION ASSESSMENT REPORT, MUS POWER PLANT PETROL
SAMPLE #? MW-17 SAMPLING DATE? 11/29/89 USGS #?
CONTAMINANTS

	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	<15-<15
EPH = TPH, DIESEL (8100).....	1480-6710
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	<0.1-0.2
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.1-22
TOTAL BTEX SUM.....	4.8-28.0
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

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(Key # 86)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 55 , SITE NUMBER: 55.19.00, REPORT DATE: 03/29/90
REPORT TITLE: SITE CONTAMINATION ASSESSMENT REPORT, MUS POWER PLANT PETROL
SAMPLE #? MW-18 SAMPLING DATE? 11/29/89 USGS #?
CONTAMINANTS

VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	<15-<15
EPH = TPH, DIESEL (8100).....	3090-18600
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	<0.5-<0.5
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.5-41
TOTAL BTEX SUM.....	20.5-51.6
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

(Key # 86)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 55 , SITE NUMBER: 55.19.00, REPORT DATE: 03/29/90
REPORT TITLE: SITE CONTAMINATION ASSESSMENT REPORT, MUS POWER PLANT PETROL
SAMPLE #? MW-19 SAMPLING DATE? 11/30/89 USGS #?
CONTAMINANTS

VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	<15-<15
EPH = TPH, DIESEL (8100).....	<15-<15
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	<0.1-<0.1
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.1-<0.4
TOTAL BTEX SUM.....	<0.4-<0.4
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

Alaska DNR, Div. of Mining & Water Management
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(Key # 86)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 55 , SITE NUMBER: 55.19.00, REPORT DATE: 03/29/90
REPORT TITLE: SITE CONTAMINATION ASSESSMENT REPORT, MUS POWER PLANT PETROL
SAMPLE #? MW-20 SAMPLING DATE? / / USGS #?
CONTAMINANTS

VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	<15-<15
EPH = TPH, DIESEL (8100).....	3510-6060
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	<0.5-<0.5
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.5-14
TOTAL BTEX SUM.....	17.4-19.1
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

(Key # 86)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 55 , SITE NUMBER: 55.19.00, REPORT DATE: 03/29/90
REPORT TITLE: SITE CONTAMINATION ASSESSMENT REPORT, MUS POWER PLANT PETROL
SAMPLE #? MW-21 SAMPLING DATE? / / USGS #?
CONTAMINANTS

VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	<15
EPH = TPH, DIESEL (8100).....	4040
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	<0.1
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.1-21
TOTAL BTEX SUM.....	27.5
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

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(Key # 86)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 55 , SITE NUMBER: 55.19.00, REPORT DATE: 03/29/90
REPORT TITLE: SITE CONTAMINATION ASSESSMENT REPORT, MUS POWER PLANT PETROL
SAMPLE #? MW-22 SAMPLING DATE? / / USGS #?
CONTAMINANTS

	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	<15-<15
EPH = TPH, DIESEL (8100).....	4960-5040
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	<0.1-<0.5
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.1-9.5
TOTAL BTEX SUM.....	7.7-10.1
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

(Key # 86)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 55 , SITE NUMBER: 55.19.00, REPORT DATE: 03/29/90
REPORT TITLE: SITE CONTAMINATION ASSESSMENT REPORT, MUS POWER PLANT PETROL
SAMPLE #? MW-23 SAMPLING DATE? 03/05/90 USGS #?
CONTAMINANTS

	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	<1.1-<1.1
EPH = TPH, DIESEL (8100).....	<1.1-<1.1
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	<0.01-<0.01
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.01-<0.04
TOTAL BTEX SUM.....	<0.04-<0.04
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

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(Key # 86)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 55 , SITE NUMBER: 55.19.00, REPORT DATE: 03/29/90
REPORT TITLE: SITE CONTAMINATION ASSESSMENT REPORT, MUS POWER PLANT PETROL
SAMPLE #? MW-24 SAMPLING DATE? 03/05/90 USGS #?
CONTAMINANTS

VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	<1.1
EPH = TPH, DIESEL (8100).....	<1.1
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	<0.01
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.01-<0.04
TOTAL BTEX SUM.....	<0.04
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

(Key # 86)

CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 55 , SITE NUMBER: 55.19.00, REPORT DATE: 03/29/90
REPORT TITLE: SITE CONTAMINATION ASSESSMENT REPORT, MUS POWER PLANT PETROL
SAMPLE #? MW-15 SAMPLING DATE? 12/19/89 USGS #?
CONTAMINANTS

VALUES -PPB

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
PURGEABLE HALOCARBONS (601).....	
BENZENE.....	<0.2
PURGEABLE AROMATICS, BTEX (602).....	<0.2-2.2
TOTAL BTEX SUM.....	2.2
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

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(Key # 86)

CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 55 , SITE NUMBER: 55.19.00, REPORT DATE: 03/29/90
REPORT TITLE: SITE CONTAMINATION ASSESSMENT REPORT, MUS POWER PLANT PETROL
SAMPLE #? MW-19 SAMPLING DATE? 12/19/89 USGS #?
CONTAMINANTS

VALUES -PPB

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
PURGEABLE HALOCARBONS (601).....	
BENZENE.....	12
PURGEABLE AROMATICS, BTEX (602).....	<0.2-12
TOTAL BTEX SUM.....	14.8
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

(Key # 86)

CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 55 , SITE NUMBER: 55.19.00, REPORT DATE: 03/29/90
REPORT TITLE: SITE CONTAMINATION ASSESSMENT REPORT, MUS POWER PLANT PETROL
SAMPLE #? MW-23 SAMPLING DATE? 03/05/90 USGS #?
CONTAMINANTS

VALUES -PPB

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
PURGEABLE HALOCARBONS (601).....	
BENZENE.....	<0.2
PURGEABLE AROMATICS, BTEX (602).....	<0.2~<0.6
TOTAL BTEX SUM.....	<0.6
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

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(Key # 86)

CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 55 , SITE NUMBER: 55.19.00, REPORT DATE: 03/29/90
REPORT TITLE: SITE CONTAMINATION ASSESSMENT REPORT, MUS POWER PLANT PETROL
SAMPLE #? MW-24 SAMPLING DATE? 03/05/90 USGS #?
CONTAMINANTS

VALUES -PPB

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
PURGEABLE HALOCARBONS (601).....	
BENZENE.....	
PURGEABLE AROMATICS, BTEX (602).....	<0.2-1.1
TOTAL BTEX SUM.....	1.8-2.0
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

Alaska DNR, Div. of Mining & Water Management
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(Key # 101)

SITE REPORT

REPORT NUMBER: 56 , SITE NUMBER: 56.19.00, REPORT DATE: 12/01/89
REPORT TITLE: WATER SYSTEM MASTER PLAN. MUNICIPAL UTILITIES SYSTEM
REPORT BY: ROEN DESIGN ASSOCIATES IN
REPORT LOCATION: FAIRBANKS MUNICIPAL UTILITIES
PRIOR OWNERSHIP: NONE
WATER LEVELS ONLY: N
NUMBER OF WELLS: 0
NUMBER OF BORINGS: 0
NUMBER OF SURFACE SAMPLES: 0
NUMBER OF GROUNDWATER LEVELS: 0
PERMAFROST: NOT MENTIONED
SURVEYED: N, MAPS: Y, PHOTOS: N
TYPES OF POTENTIAL SOURCES:
TYPES OF POTENTIAL CONTAMINANTS:
REPORT INCLUDES SUBSURFACE SOIL CHEMISTRY DATA: N
REPORT INCLUDES SURFICIAL SOIL CHEMISTRY DATA: N
REPORT INCLUDES GROUNDWATER CHEMISTRY DATA: N
REPORT INCLUDES BULK EXCAVATION DATA: N
REPORT INCLUDES INTERPRETATIVE HYDROLOGY: N
REPORT INCLUDES QUALITY ASSURANCE PROCEDURES: N,
SURFACE STAINS: U
STAINED SOILS: U
OILY SOIL ODOR: U
SHEEN ON WATER: U
FLOATING PRODUCT: U
REVIEWER: J VOHDEN

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 85)

SITE REPORT

REPORT NUMBER: 57 , SITE NUMBER: 57.19.00, REPORT DATE: 08/24/87
REPORT TITLE: MUS POWER PLAN PETROLEUM SPILL CLEANUP PROJECT
REPORT BY: SHANNON & WILSON, INC.
REPORT LOCATION: FAIRBANKS MUNICIPAL UTILITIES
PRIOR OWNERSHIP: NOT MENTIONED
WATER LEVELS ONLY: N
NUMBER OF WELLS: 8
NUMBER OF BORINGS: 2
NUMBER OF SURFACE SAMPLES: 0
NUMBER OF GROUNDWATER LEVELS: 27
PERMAFROST: NOT MENTIONED
SURVEYED: N, MAPS: Y, PHOTOS: N
TYPES OF POTENTIAL SOURCES: P
TYPES OF POTENTIAL CONTAMINANTS: D
REPORT INCLUDES SUBSURFACE SOIL CHEMISTRY DATA: Y
REPORT INCLUDES SURFICIAL SOIL CHEMISTRY DATA: N
REPORT INCLUDES GROUNDWATER CHEMISTRY DATA: N
REPORT INCLUDES BULK EXCAVATION DATA: N
REPORT INCLUDES INTERPRETATIVE HYDROLOGY: Y
REPORT INCLUDES QUALITY ASSURANCE PROCEDURES: Y, SURFACE STAINS: U
STAINED SOILS: Y
OILY SOIL ODOR: Y
SHEEN ON WATER: Y
FLOATING PRODUCT: Y
REVIEWER: MARY MAURER

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 85)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 57 , SITE NUMBER: 57.19.00, REPORT DATE: 08/24/87
REPORT TITLE: MUS POWER PLAN PETROLEUM SPILL CLEANUP PROJECT
SAMPLE #? B-7 SAMPLING DATE? 08/06/87 USGS #?

CONTAMINANTS	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	<51-<52
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	<0.1-<0.3
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.1-7.5
TOTAL BTEX SUM.....	<0.9-7.6
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	5-14
METALS.....	

Alaska DNR, Div. of Mining & Water Management
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(Key # 88)

SITE REPORT

REPORT NUMBER: 58 , SITE NUMBER: 58.19.00, REPORT DATE: 01/01/91
REPORT TITLE: ENVIRONMENTAL AUDIT FAIRBANKS MUNICIPAL UTILITIES SYSTEM
REPORT BY: WOODWARD CLYDE CONSULTANT
REPORT LOCATION: FAIRBANKS MUNICIPAL UTILITIES
PRIOR OWNERSHIP: NOT MENTIONED
WATER LEVELS ONLY: N
NUMBER OF WELLS: 0
NUMBER OF BORINGS: 0
NUMBER OF SURFACE SAMPLES: 0
NUMBER OF GROUNDWATER LEVELS: 0
PERMAFROST: NOT MENTIONED
SURVEYED: N, MAPS: N, PHOTOS: N
TYPES OF POTENTIAL SOURCES:
TYPES OF POTENTIAL CONTAMINANTS:
REPORT INCLUDES SUBSURFACE SOIL CHEMISTRY DATA: N
REPORT INCLUDES SURFICIAL SOIL CHEMISTRY DATA: N
REPORT INCLUDES GROUNDWATER CHEMISTRY DATA: N
REPORT INCLUDES BULK EXCAVATION DATA: N
REPORT INCLUDES INTERPRETATIVE HYDROLOGY: N
REPORT INCLUDES QUALITY ASSURANCE PROCEDURES: N,
SURFACE STAINS: U
STAINED SOILS: U
OILY SOIL ODOR: U
SHEEN ON WATER: U
FLOATING PRODUCT: U
REVIEWER: MARY MAURER

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 84)

SITE REPORT

REPORT NUMBER: 59 , SITE NUMBER: 59.19.00, REPORT DATE: 07/01/87
REPORT TITLE: WATER TREATMENT PLANT WATER SUPPLY DEVELOPMENT PROJECT
REPORT BY: SHANNON & WILSON, INC.
REPORT LOCATION: FAIRBANKS MUNICIPAL UTILITIES
PRIOR OWNERSHIP: NOT MENTIONED
WATER LEVELS ONLY: N
NUMBER OF WELLS: 9
NUMBER OF BORINGS: 0
NUMBER OF SURFACE SAMPLES: 0
NUMBER OF GROUNDWATER LEVELS: 12
PERMAFROST: NOT MENTIONED
SURVEYED: N, MAPS: Y, PHOTOS: N
TYPES OF POTENTIAL SOURCES: UG,P
TYPES OF POTENTIAL CONTAMINANTS: G,D
REPORT INCLUDES SUBSURFACE SOIL CHEMISTRY DATA: Y
REPORT INCLUDES SURFICIAL SOIL CHEMISTRY DATA: N
REPORT INCLUDES GROUNDWATER CHEMISTRY DATA: Y
REPORT INCLUDES BULK EXCAVATION DATA: N
REPORT INCLUDES INTERPRETATIVE HYDROLOGY: Y
REPORT INCLUDES QUALITY ASSURANCE PROCEDURES: Y,
SURFACE STAINS: U
STAINED SOILS: U
OILY SOIL ODOR: Y
SHEEN ON WATER: U
FLOATING PRODUCT: Y
REVIEWER: MARY MAURER

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 84)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 59 , SITE NUMBER: 59.19.00, REPORT DATE: 07/01/87
REPORT TITLE: WATER TREATMENT PLANT WATER SUPPLY DEVELOPMENT PROJECT
SAMPLE #? DW1 SAMPLING DATE? 03/27/87 USGS #?
CONTAMINANTS

VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	
TOTAL BTEX SUM.....	
PCB'S.....	<0.1-<0.1
HERBICIDES.....	<0.01-<0.01
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

(Key # 84)

CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 59 , SITE NUMBER: 59.19.00, REPORT DATE: 07/01/87
REPORT TITLE: WATER TREATMENT PLANT WATER SUPPLY DEVELOPMENT PROJECT
SAMPLE #? 1A SAMPLING DATE? 04/01/87 USGS #?
CONTAMINANTS

VALUES -PPB

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
PURGEABLE HALOCARBONS (601).....	<1.2-<4.5
BENZENE.....	3.1
PURGEABLE AROMATICS, BTEX (602).....	<1.5-3.1
TOTAL BTEX SUM.....	3.1
PCB'S.....	<0.1-<0.1
HERBICIDES.....	<0.002-<0.24
ARSENIC.....	4.0
MERCURY.....	<0.2
LEAD.....	4.0
METALS.....	<5-<10

Alaska DNR, Div. of Mining & Water Management
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(Key # 84)

CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 59 , SITE NUMBER: 59.19.00, REPORT DATE: 07/01/87
REPORT TITLE: WATER TREATMENT PLANT WATER SUPPLY DEVELOPMENT PROJECT
SAMPLE #? 2A SAMPLING DATE? 04/01/87 USGS #?

CONTAMINANTS	VALUES -PPB
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
PURGEABLE HALOCARBONS (601).....	<1.2-<4.5
BENZENE.....	8.6
PURGEABLE AROMATICS, BTEX (602).....	<1.5-8.6
TOTAL BTEX SUM.....	8.6
PCB'S.....	<0.1-<0.1
HERBICIDES.....	<0.002-<0.24
ARSENIC.....	3.0
MERCURY.....	<0.2
LEAD.....	55
METALS.....	<5-<10

(Key # 84)

CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 59 , SITE NUMBER: 59.19.00, REPORT DATE: 07/01/87
REPORT TITLE: WATER TREATMENT PLANT WATER SUPPLY DEVELOPMENT PROJECT
SAMPLE #? 3A SAMPLING DATE? 04/01/87 USGS #?

CONTAMINANTS	VALUES -PPB
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
PURGEABLE HALOCARBONS (601).....	<1.2-<4.5
BENZENE.....	<1.7
PURGEABLE AROMATICS, BTEX (602).....	<1.5-<2.4
TOTAL BTEX SUM.....	<2.4
PCB'S.....	<0.1-<0.1
HERBICIDES.....	<0.002-<0.24
ARSENIC.....	<1.0
MERCURY.....	<0.2
LEAD.....	<1.0
METALS.....	<5-<10

Alaska DNR, Div. of Mining & Water Management
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(Key # 84)

CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 59 , SITE NUMBER: 59.19.00, REPORT DATE: 07/01/87
REPORT TITLE: WATER TREATMENT PLANT WATER SUPPLY DEVELOPMENT PROJECT
SAMPLE #? DW1 SAMPLING DATE? 04/01/87 USGS #?

CONTAMINANTS	VALUES -PPB
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
PURGEABLE HALOCARBONS (601).....	
BENZENE.....	116
PURGEABLE AROMATICS, BTEX (602).....	<1.2-355
TOTAL BTEX SUM.....	686
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

(Key # 84)

CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 59 , SITE NUMBER: 59.19.00, REPORT DATE: 07/01/87
REPORT TITLE: WATER TREATMENT PLANT WATER SUPPLY DEVELOPMENT PROJECT
SAMPLE #? DW2 SAMPLING DATE? 04/02/87 USGS #?

CONTAMINANTS	VALUES -PPB
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
PURGEABLE HALOCARBONS (601).....	
BENZENE.....	<0.2-8.8
PURGEABLE AROMATICS, BTEX (602).....	<0.2-347
TOTAL BTEX SUM.....	49.1-747.8
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

y # 84)

CHEMISTRY DATA - GROUND WATER

PORT NUMBER: 59 , SITE NUMBER: 59.19.00, REPORT DATE: 07/01/87
PORT TITLE: WATER TREATMENT PLANT WATER SUPPLY DEVELOPMENT PROJECT
PLE #? DW3 SAMPLING DATE? 04/02/87 USGS #?
CONTAMINANTS

VALUES -PPB

(TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
= TPH, GASOLINE (8015-V).....	
= TPH, DIESEL (8100).....	
= TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
= TPH, RESIDUALS (CRUDE OIL).....	
GEABLE HALOCARBONS (601).....	
ZENE.....	0.7-0.8
GEABLE AROMATICS, BTEX (602).....	<0.2-4.6
AL BTEX SUM.....	6.3-10.8
'S.....	
BICIDES.....	
ENIC.....	
CURY.....	
D.....	
ALS.....	

y # 84)

CHEMISTRY DATA - GROUND WATER

PORT NUMBER: 59 , SITE NUMBER: 59.19.00, REPORT DATE: 07/01/87
PORT TITLE: WATER TREATMENT PLANT WATER SUPPLY DEVELOPMENT PROJECT
PLE #? SW1 SAMPLING DATE? 04/01/87 USGS #?
CONTAMINANTS

VALUES -PPB

(TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
= TPH, GASOLINE (8015-V).....	
= TPH, DIESEL (8100).....	
= TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
= TPH, RESIDUALS (CRUDE OIL).....	
GEABLE HALOCARBONS (601).....	
ZENE.....	9.9
GEABLE AROMATICS, BTEX (602).....	<2.0-167
AL BTEX SUM.....	214.2
'S.....	
BICIDES.....	
ENIC.....	
CURY.....	
D.....	
ALS.....	

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(Key # 84)

CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 59 , SITE NUMBER: 59.19.00, REPORT DATE: 07/01/87
REPORT TITLE: WATER TREATMENT PLANT WATER SUPPLY DEVELOPMENT PROJECT
SAMPLE #? SW2 SAMPLING DATE? 03/31/87 USGS #?

CONTAMINANTS	VALUES -PPB
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
PURGEABLE HALOCARBONS (601).....	
BENZENE.....	19-22
PURGEABLE AROMATICS, BTEX (602).....	<1.0-178
TOTAL BTEX SUM.....	247.8-267.4
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

(Key # 84)

CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 59 , SITE NUMBER: 59.19.00, REPORT DATE: 07/01/87
REPORT TITLE: WATER TREATMENT PLANT WATER SUPPLY DEVELOPMENT PROJECT
SAMPLE #? SW3 SAMPLING DATE? 04/01/87 USGS #?

CONTAMINANTS	VALUES -PPB
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
PURGEABLE HALOCARBONS (601).....	
BENZENE.....	15
PURGEABLE AROMATICS, BTEX (602).....	<5.0-1200
TOTAL BTEX SUM.....	1433
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

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CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 59 , SITE NUMBER: 59.19.00, REPORT DATE: 07/01/87
REPORT TITLE: WATER TREATMENT PLANT WATER SUPPLY DEVELOPMENT PROJECT
SAMPLE #? SW4 SAMPLING DATE? / / USGS #?
CONTAMINANTS

CONTAMINANTS	VALUES -PPB
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
PURGEABLE HALOCARBONS (601).....	
BENZENE.....	5.2
PURGEABLE AROMATICS, BTEX (602).....	<0.2-523
TOTAL BTEX SUM.....	680.2
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

(Key # 84)

CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 59 , SITE NUMBER: 59.19.00, REPORT DATE: 07/01/87
REPORT TITLE: WATER TREATMENT PLANT WATER SUPPLY DEVELOPMENT PROJECT
SAMPLE #? SW5 SAMPLING DATE? 04/02/87 USGS #?
CONTAMINANTS

CONTAMINANTS	VALUES -PPB
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
PURGEABLE HALOCARBONS (601).....	
BENZENE.....	1.8
PURGEABLE AROMATICS, BTEX (602).....	<0.2-17
TOTAL BTEX SUM.....	34.9
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

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CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 59 , SITE NUMBER: 59.19.00, REPORT DATE: 07/01/87
REPORT TITLE: WATER TREATMENT PLANT WATER SUPPLY DEVELOPMENT PROJECT
SAMPLE #? SW6 SAMPLING DATE? 04/01/87 USGS #?

CONTAMINANTS	VALUES -PPB
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
PURGEABLE HALOCARBONS (601).....	
BENZENE.....	<0.2
PURGEABLE AROMATICS, BTEX (602).....	<0.2-17
TOTAL BTEX SUM.....	21.8
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

Alaska DNR, Div. of Mining & Water Management
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(Key # 91)

SITE REPORT

REPORT NUMBER: 60 , SITE NUMBER: 60.19.00, REPORT DATE: 09/18/92
REPORT TITLE: ENVIRONMENTAL DRILLING AND LABORATORY SERVICES MUS POWER PLA
REPORT BY: SHANNON & WILSON, INC.
REPORT LOCATION: FAIRBANKS MUNICIPAL UTILITIES
PRIOR OWNERSHIP: NOT MENTIONED
WATER LEVELS ONLY: N
NUMBER OF WELLS: 0
NUMBER OF BORINGS: 5
NUMBER OF SURFACE SAMPLES: 0
NUMBER OF GROUNDWATER LEVELS: 5
PERMAFROST: NOT MENTIONED
SURVEYED: N, MAPS: Y, PHOTOS: N
TYPES OF POTENTIAL SOURCES:
TYPES OF POTENTIAL CONTAMINANTS:
REPORT INCLUDES SUBSURFACE SOIL CHEMISTRY DATA: Y
REPORT INCLUDES SURFICIAL SOIL CHEMISTRY DATA: N
REPORT INCLUDES GROUNDWATER CHEMISTRY DATA: Y
REPORT INCLUDES BULK EXCAVATION DATA: N
REPORT INCLUDES INTERPRETATIVE HYDROLOGY: N
REPORT INCLUDES QUALITY ASSURANCE PROCEDURES: Y,
SURFACE STAINS: U
STAINED SOILS: U
OILY SOIL ODOR: U
SHEEN ON WATER: Y
FLOATING PRODUCT: U
REVIEWER: MARY MAURER

Alaska DNR, Div. of Mining & Water Management
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(Key # 91)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 60 , SITE NUMBER: 60.19.00, REPORT DATE: 09/18/92
REPORT TITLE: ENVIRONMENTAL DRILLING AND LABORATORY SERVICES MUS POWER PLA
SAMPLE #? B-1 SAMPLING DATE? 08/19/92 USGS #?
CONTAMINANTS

VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	80-5700
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	
TOTAL BTEX SUM.....	
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

(Key # 91)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 60 , SITE NUMBER: 60.19.00, REPORT DATE: 09/18/92
REPORT TITLE: ENVIRONMENTAL DRILLING AND LABORATORY SERVICES MUS POWER PLA
SAMPLE #? B-2 SAMPLING DATE? 08/19/92 USGS #?
CONTAMINANTS

VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	<10-7100
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	
TOTAL BTEX SUM.....	
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

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(Key # 91)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 60 , SITE NUMBER: 60.19.00, REPORT DATE: 09/18/92
REPORT TITLE: ENVIRONMENTAL DRILLING AND LABORATORY SERVICES MUS POWER PLA
SAMPLE #? B-3 SAMPLING DATE? 08/19/92 USGS #?
CONTAMINANTS

VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....
VPH = TPH, GASOLINE (8015-V).....
EPH = TPH, DIESEL (8100).....
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....
EPH = TPH, RESIDUALS (CRUDE OIL).....
HALOGENATED VOLATILE ORGANICS (8010).....
BENZENE.....
AROMATIC VOLATILE ORGANICS, BTEX (8020).....
TOTAL BTEX SUM.....
PCB'S.....
HERBICIDES.....
ARSENIC.....
MERCURY.....
LEAD.....
METALS.....

<10-<10

(Key # 91)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 60 , SITE NUMBER: 60.19.00, REPORT DATE: 09/18/92
REPORT TITLE: ENVIRONMENTAL DRILLING AND LABORATORY SERVICES MUS POWER PLA
SAMPLE #? B-4 SAMPLING DATE? 08/19/92 USGS #?
CONTAMINANTS

VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....
VPH = TPH, GASOLINE (8015-V).....
EPH = TPH, DIESEL (8100).....
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....
EPH = TPH, RESIDUALS (CRUDE OIL).....
HALOGENATED VOLATILE ORGANICS (8010).....
BENZENE.....
AROMATIC VOLATILE ORGANICS, BTEX (8020).....
TOTAL BTEX SUM.....
PCB'S.....
HERBICIDES.....
ARSENIC.....
MERCURY.....
LEAD.....
METALS.....

<10-<10

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(Key # 91)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 60 , SITE NUMBER: 60.19.00, REPORT DATE: 09/18/92
REPORT TITLE: ENVIRONMENTAL DRILLING AND LABORATORY SERVICES MUS POWER PLA
SAMPLE #? B-5 SAMPLING DATE? 08/18/92 USGS #?
CONTAMINANTS

VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	<10-870
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	
TOTAL BTEX SUM.....	
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

(Key # 91)

CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 60 , SITE NUMBER: 60.19.00, REPORT DATE: 09/18/92
REPORT TITLE: ENVIRONMENTAL DRILLING AND LABORATORY SERVICES MUS POWER PLA
SAMPLE #? B-1 SAMPLING DATE? 08/19/92 USGS #?
CONTAMINANTS

VALUES -PPB

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
PURGEABLE HALOCARBONS (601).....	
BENZENE.....	<2
PURGEABLE AROMATICS, BTEX (602).....	
TOTAL BTEX SUM.....	
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

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CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 60 , SITE NUMBER: 60.19.00, REPORT DATE: 09/18/92
REPORT TITLE: ENVIRONMENTAL DRILLING AND LABORATORY SERVICES MUS POWER PLA
SAMPLE #? B-2 SAMPLING DATE? 08/19/92 USGS #?
CONTAMINANTS VALUES -PPB

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
PURGEABLE HALOCARBONS (601).....	
BENZENE.....	<2
PURGEABLE AROMATICS, BTEX (602).....	<2-<2
TOTAL BTEX SUM.....	<2
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

(Key # 91)

CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 60 , SITE NUMBER: 60.19.00, REPORT DATE: 09/18/92
REPORT TITLE: ENVIRONMENTAL DRILLING AND LABORATORY SERVICES MUS POWER PLA
SAMPLE #? B-3 SAMPLING DATE? 08/19/92 USGS #?
CONTAMINANTS VALUES -PPB

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
PURGEABLE HALOCARBONS (601).....	
BENZENE.....	<2
PURGEABLE AROMATICS, BTEX (602).....	<2-9
TOTAL BTEX SUM.....	9
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

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CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 60 , SITE NUMBER: 60.19.00, REPORT DATE: 09/18/92
REPORT TITLE: ENVIRONMENTAL DRILLING AND LABORATORY SERVICES MUS POWER PLA
SAMPLE #? B-4 SAMPLING DATE? 08/19/92 USGS #?
CONTAMINANTS VALUES -PPB

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1)	
VPH = TPH, GASOLINE (8015-V)	
EPH = TPH, DIESEL (8100)	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E)	
EPH = TPH, RESIDUALS (CRUDE OIL)	
PURGEABLE HALOCARBONS (601)	
BENZENE	<2
PURGEABLE AROMATICS, BTEX (602)	<2-<2
TOTAL BTEX SUM	<2
PCB'S	
HERBICIDES	
ARSENIC	
MERCURY	
LEAD	
METALS	

(Key # 91)

CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 60 , SITE NUMBER: 60.19.00, REPORT DATE: 09/18/92
REPORT TITLE: ENVIRONMENTAL DRILLING AND LABORATORY SERVICES MUS POWER PLA
SAMPLE #? B-5 SAMPLING DATE? 08/18/92 USGS #?
CONTAMINANTS VALUES -PPB

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1)	
VPH = TPH, GASOLINE (8015-V)	
EPH = TPH, DIESEL (8100)	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E)	
EPH = TPH, RESIDUALS (CRUDE OIL)	
PURGEABLE HALOCARBONS (601)	
BENZENE	<2
PURGEABLE AROMATICS, BTEX (602)	<2-<2
TOTAL BTEX SUM	<2
PCB'S	
HERBICIDES	
ARSENIC	
MERCURY	
LEAD	
METALS	

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(Key # 89)

SITE REPORT

REPORT NUMBER: 61 , SITE NUMBER: 61.19.00, REPORT DATE: 04/01/91
REPORT TITLE: RECOMMENDED REMEDIAL ALTERATIVE FOR CONTAMINATED SOILS MUS
REPORT BY: RADIAN CORPORTATION
REPORT LOCATION: FAIRBANKS MUNICIPAL UTILITIES
PRIOR OWNERSHIP: NOT MENTIONED

WATER LEVELS ONLY: N

NUMBER OF WELLS: 0

NUMBER OF BORINGS: 0

NUMBER OF SURFACE SAMPLES: 0

NUMBER OF GROUNDWATER LEVELS: 0

PERMAFROST: NOT MENTIONED

SURVEYED: N, MAPS: N, PHOTOS: N

TYPES OF POTENTIAL SOURCES:

TYPES OF POTENTIAL CONTAMINANTS: D

REPORT INCLUDES SUBSURFACE SOIL CHEMISTRY DATA: N

REPORT INCLUDES SURFICIAL SOIL CHEMISTRY DATA: N

REPORT INCLUDES GROUNDWATER CHEMISTRY DATA: N

REPORT INCLUDES BULK EXCAVATION DATA: N

REPORT INCLUDES INTERPRETATIVE HYDROLOGY: N

REPORT INCLUDES QUALITY ASSURANCE PROCEDURES: N,

SURFACE STAINS: U

STAINED SOILS: U

OILY SOIL ODOR: U

SHEEN ON WATER: U

FLOATING PRODUCT: U

REVIEWER: MARY MAURER

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(Key # 92)

SITE REPORT

REPORT NUMBER: 62 , SITE NUMBER: 62.19.00, REPORT DATE: 06/01/85
REPORT TITLE: MUS CHENA POWER PLAN BULK FUEL STORAGE IMPLEMENTATION PLAN
REPORT BY: FRANKLIN & ALLEN INC.
REPORT LOCATION: FAIRBANKS MUNICIPAL UTILITIES
PRIOR OWNERSHIP: NOT MENTIONED
WATER LEVELS ONLY: N
NUMBER OF WELLS: 0
NUMBER OF BORINGS: 0
NUMBER OF SURFACE SAMPLES: 0
NUMBER OF GROUNDWATER LEVELS: 0
PERMAFROST: NOT MENTIONED
SURVEYED: N, MAPS: Y, PHOTOS: Y
TYPES OF POTENTIAL SOURCES: P
TYPES OF POTENTIAL CONTAMINANTS:
REPORT INCLUDES SUBSURFACE SOIL CHEMISTRY DATA: N
REPORT INCLUDES SURFICIAL SOIL CHEMISTRY DATA: N
REPORT INCLUDES GROUNDWATER CHEMISTRY DATA: N
REPORT INCLUDES BULK EXCAVATION DATA: N
REPORT INCLUDES INTERPRETATIVE HYDROLOGY: N
REPORT INCLUDES QUALITY ASSURANCE PROCEDURES: N,
SURFACE STAINS: U
STAINED SOILS: Y
OILY SOIL ODOR: U
SHEEN ON WATER: U
FLOATING PRODUCT: U
REVIEWER: MARY MAURER

Alaska DNR, Div. of Mining & Water Management
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(Key # 90)

SITE REPORT

REPORT NUMBER: 63 , SITE NUMBER: 63.19.00, REPORT DATE: 10/01/91

REPORT TITLE: MUS POWER PLAN MONITOR WELL INSTALLATION

REPORT BY: VRCA ENVIRONMENTAL SERVIC

REPORT LOCATION: FAIRBANKS MUNICIPAL UTILITIES

PRIOR OWNERSHIP: NOT MENTIONED

WATER LEVELS ONLY: N

NUMBER OF WELLS: 2

NUMBER OF BORINGS: 0

NUMBER OF SURFACE SAMPLES: 0

NUMBER OF GROUNDWATER LEVELS: 2

PERMAFROST: NOT MENTIONED

SURVEYED: N, MAPS: Y, PHOTOS: Y

TYPES OF POTENTIAL SOURCES:

TYPES OF POTENTIAL CONTAMINANTS:

REPORT INCLUDES SUBSURFACE SOIL CHEMISTRY DATA: Y

REPORT INCLUDES SURFICIAL SOIL CHEMISTRY DATA: N

REPORT INCLUDES GROUNDWATER CHEMISTRY DATA: Y

REPORT INCLUDES BULK EXCAVATION DATA: N

REPORT INCLUDES INTERPRETATIVE HYDROLOGY: N

REPORT INCLUDES QUALITY ASSURANCE PROCEDURES: Y,

SURFACE STAINS: U

STAINED SOILS: Y

OILY SOIL ODOR: Y

SHEEN ON WATER: U

FLOATING PRODUCT: U

REVIEWER: MARY MAURER

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 90)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 63 , SITE NUMBER: 63.19.00, REPORT DATE: 10/01/91

REPORT TITLE: MUS POWER PLAN MONITOR WELL INSTALLATION

SAMPLE #? MW-26 SAMPLING DATE? 10/10/91 USGS #?

CONTAMINANTS	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	5-192
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	
TOTAL BTEX SUM.....	
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

(Key # 90)

CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 63 , SITE NUMBER: 63.19.00, REPORT DATE: 10/01/91

REPORT TITLE: MUS POWER PLAN MONITOR WELL INSTALLATION

SAMPLE #? MW-25 SAMPLING DATE? 10/11/91 USGS #?

CONTAMINANTS	VALUES -PPB
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
PURGEABLE HALOCARBONS (601).....	
BENZENE.....	<5
PURGEABLE AROMATICS, BTEX (602).....	<5-58.7
TOTAL BTEX SUM.....	97.8
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 90)

CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 63 , SITE NUMBER: 63.19.00, REPORT DATE: 10/01/91

REPORT TITLE: MUS POWER PLAN MONITOR WELL INSTALLATION

SAMPLE #? MW-26 SAMPLING DATE? 10/11/91 USGS #?

CONTAMINANTS	VALUES -PPB
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
PURGEABLE HALOCARBONS (601).....	
BENZENE.....	<5
PURGEABLE AROMATICS, BTEX (602).....	<5-<5
TOTAL BTEX SUM.....	<5
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 87)

SITE REPORT

REPORT NUMBER: 64 , SITE NUMBER: 64.19.00, REPORT DATE: 08/01/90
REPORT TITLE: TRANSPORT OF BENZENE IN THE UNSATURATED ZONE AT THE MUS POWE
REPORT BY: PTI ENVIRONMENTAL SERVICE
REPORT LOCATION: FAIRBANKS MUNICIPAL UTILITIES
PRIOR OWNERSHIP: NOT MENTIONED
WATER LEVELS ONLY: N
NUMBER OF WELLS: 0
NUMBER OF BORINGS: 0
NUMBER OF SURFACE SAMPLES: 0
NUMBER OF GROUNDWATER LEVELS: 0
PERMAFROST: NOT MENTIONED
SURVEYED: N, MAPS: N, PHOTOS: N
TYPES OF POTENTIAL SOURCES:
TYPES OF POTENTIAL CONTAMINANTS:
REPORT INCLUDES SUBSURFACE SOIL CHEMISTRY DATA: N
REPORT INCLUDES SURFICIAL SOIL CHEMISTRY DATA: N
REPORT INCLUDES GROUNDWATER CHEMISTRY DATA: N
REPORT INCLUDES BULK EXCAVATION DATA: N
REPORT INCLUDES INTERPRETATIVE HYDROLOGY: N
REPORT INCLUDES QUALITY ASSURANCE PROCEDURES: N,
SURFACE STAINS: U
STAINED SOILS: U
OILY SOIL ODOR: U
SHEEN ON WATER: U
FLOATING PRODUCT: U
REVIEWER: MARY MAURER

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 81)

SITE REPORT

REPORT NUMBER: 74 , SITE NUMBER: 74.20.00, REPORT DATE: 03/01/94
REPORT TITLE: WORK PLAN PRELIMINARY SITE INVESTIGATION PHILLIPS FIELD ROAD
REPORT BY: SHANNON & WILSON, INC.
REPORT LOCATION: K & W TRUCKING
PRIOR OWNERSHIP: NOT MENTIONED
WATER LEVELS ONLY: N
NUMBER OF WELLS: 0
NUMBER OF BORINGS: 0
NUMBER OF SURFACE SAMPLES: 0
NUMBER OF GROUNDWATER LEVELS: 0
PERMAFROST: NOT MENTIONED
SURVEYED: N, MAPS: Y, PHOTOS: N
TYPES OF POTENTIAL SOURCES:
TYPES OF POTENTIAL CONTAMINANTS:
REPORT INCLUDES SUBSURFACE SOIL CHEMISTRY DATA: N
REPORT INCLUDES SURFICIAL SOIL CHEMISTRY DATA: N
REPORT INCLUDES GROUNDWATER CHEMISTRY DATA: N
REPORT INCLUDES BULK EXCAVATION DATA: N
REPORT INCLUDES INTERPRETATIVE HYDROLOGY: Y
REPORT INCLUDES QUALITY ASSURANCE PROCEDURES: N, SURFACE STAINS: U
STAINED SOILS: U
OILY SOIL ODOR: U
SHEEN ON WATER: U
FLOATING PRODUCT: U
REVIEWER: MARY MAURER

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 113)

SITE REPORT

REPORT NUMBER: 3 , SITE NUMBER: 03.21.00, REPORT DATE: 05/01/92
REPORT TITLE: PRELIMINARY ASSESSMENT OF POTENTIAL OFF-SITE HYDROCARBON SOU
REPORT BY: SHANNON & WILSON, INC.
REPORT LOCATION: LUCKY SOURDOUGH GASOLINE STAT.
PRIOR OWNERSHIP: NOT MENTIONED
WATER LEVELS ONLY: N
NUMBER OF WELLS: 2
NUMBER OF BORINGS: 0
NUMBER OF SURFACE SAMPLES: 0
NUMBER OF GROUNDWATER LEVELS: 4
PERMAFROST: NOT MENTIONED
SURVEYED: N, MAPS: Y, PHOTOS: N
TYPES OF POTENTIAL SOURCES: UG
TYPES OF POTENTIAL CONTAMINANTS:
REPORT INCLUDES SUBSURFACE SOIL CHEMISTRY DATA: Y
REPORT INCLUDES SURFICIAL SOIL CHEMISTRY DATA: N
REPORT INCLUDES GROUNDWATER CHEMISTRY DATA: Y
REPORT INCLUDES BULK EXCAVATION DATA: N
REPORT INCLUDES INTERPRETATIVE HYDROLOGY: N
REPORT INCLUDES QUALITY ASSURANCE PROCEDURES: Y,
SURFACE STAINS: U
STAINED SOILS: U
OILY SOIL ODOR: Y
SHEEN ON WATER: U
FLOATING PRODUCT: Y
REVIEWER: MARY MAURER

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 113)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 3 , SITE NUMBER: 03.21.00, REPORT DATE: 05/01/92
REPORT TITLE: PRELIMINARY ASSESSMENT OF POTENTIAL OFF-SITE HYDROCARBON SOU
SAMPLE #? MW-31 SAMPLING DATE? 02/28/92 USGS #? AR23
CONTAMINANTS VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	<10-10500
EPH = TPH, DIESEL (8100).....	<10-<10
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	0.01-120
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.01-7100.2
TOTAL BTEX SUM.....	0.28-1630
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

(Key # 113)

CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 3 , SITE NUMBER: 03.21.00, REPORT DATE: 05/01/92
REPORT TITLE: PRELIMINARY ASSESSMENT OF POTENTIAL OFF-SITE HYDROCARBON SOU
SAMPLE #? MW-31 SAMPLING DATE? 03/10/92 USGS #? AR23
CONTAMINANTS VALUES -PPB

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
PURGEABLE HALOCARBONS (601).....	
BENZENE.....	43
PURGEABLE AROMATICS, BTEX (602).....	<0.2-43
TOTAL BTEX SUM.....	75.6
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 113)

CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 3 , SITE NUMBER: 03.21.00, REPORT DATE: 05/01/92
REPORT TITLE: PRELIMINARY ASSESSMENT OF POTENTIAL OFF-SITE HYDROCARBON SOU
SAMPLE #? MW-31 SAMPLING DATE? 04/09/92 USGS #? AR23
CONTAMINANTS

CONTAMINANTS	VALUES -PPB
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
PURGEABLE HALOCARBONS (601).....	<0.2-3.8
BENZENE.....	240
PURGEABLE AROMATICS, BTEX (602).....	<0.2-240
TOTAL BTEX SUM.....	300
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	12000 (FE)

(Key # 113)

CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 3 , SITE NUMBER: 03.21.00, REPORT DATE: 05/01/92
REPORT TITLE: PRELIMINARY ASSESSMENT OF POTENTIAL OFF-SITE HYDROCARBON SOU
SAMPLE #? MW-32 SAMPLING DATE? 03/09/92 USGS #? AR24
CONTAMINANTS

CONTAMINANTS	VALUES -PPB
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
PURGEABLE HALOCARBONS (601).....	
BENZENE.....	85000
PURGEABLE AROMATICS, BTEX (602).....	<200-85000
TOTAL BTEX SUM.....	150700
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 113)

CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 3 , SITE NUMBER: 03.21.00, REPORT DATE: 05/01/92
REPORT TITLE: PRELIMINARY ASSESSMENT OF POTENTIAL OFF-SITE HYDROCARBON SOU
SAMPLE #? MW-32 SAMPLING DATE? 04/09/92 USGS #? AR24
CONTAMINANTS VALUES -PPB

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
PURGEABLE HALOCARBONS (601).....	<10-<100
BENZENE.....	8900
PURGEABLE AROMATICS, BTEX (602).....	<10-8900
TOTAL BTEX SUM.....	19550
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	23300 (FE)

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 112)

SITE REPORT

REPORT NUMBER: 31 , SITE NUMBER: 31.21.00, REPORT DATE: 05/25/93

REPORT TITLE: LUCKY SOURDOUGH INTERIM REPORT

REPORT BY: NORTECH

REPORT LOCATION: LUCKY SOURDOUGH GASOLINE STAT.

PRIOR OWNERSHIP: NOT MENTIONED

WATER LEVELS ONLY: N

NUMBER OF WELLS: 0

NUMBER OF BORINGS: 0

NUMBER OF SURFACE SAMPLES: 0

NUMBER OF GROUNDWATER LEVELS: 0

PERMAFROST: NOT MENTIONED

SURVEYED: N, MAPS: Y, PHOTOS: N

TYPES OF POTENTIAL SOURCES:

TYPES OF POTENTIAL CONTAMINANTS:

REPORT INCLUDES SUBSURFACE SOIL CHEMISTRY DATA: Y

REPORT INCLUDES SURFICIAL SOIL CHEMISTRY DATA: N

REPORT INCLUDES GROUNDWATER CHEMISTRY DATA: Y

REPORT INCLUDES BULK EXCAVATION DATA: N

REPORT INCLUDES INTERPRETATIVE HYDROLOGY: N

REPORT INCLUDES QUALITY ASSURANCE PROCEDURES: N,

SURFACE STAINS: U

STAINED SOILS: U

OILY SOIL ODOR: U

SHEEN ON WATER: U

FLOATING PRODUCT: U

REVIEWER: JIM VOHDEN

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 112)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 31 , SITE NUMBER: 31.21.00, REPORT DATE: 05/25/93

REPORT TITLE: LUCKY SOURDOUGH INTERIM REPORT

SAMPLE #? MW34 SAMPLING DATE? 03/10/93

USGS #?

CONTAMINANTS	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	<DL
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	
TOTAL BTEX SUM.....	<DL
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

(Key # 112)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 31 , SITE NUMBER: 31.21.00, REPORT DATE: 05/25/93

REPORT TITLE: LUCKY SOURDOUGH INTERIM REPORT

SAMPLE #? 11E12N SAMPLING DATE? 10/26/92

USGS #?

CONTAMINANTS	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	<DL
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	45000
TOTAL BTEX SUM.....	3240
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 112)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 31 , SITE NUMBER: 31.21.00, REPORT DATE: 05/25/93

REPORT TITLE: LUCKY SOURDOUGH INTERIM REPORT

SAMPLE #? 9E10N SAMPLING DATE? 10/22/92 USGS #?

CONTAMINANTS	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	780
TOTAL BTEX SUM.....	
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

(Key # 112)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 31 , SITE NUMBER: 31.21.00, REPORT DATE: 05/25/93

REPORT TITLE: LUCKY SOURDOUGH INTERIM REPORT

SAMPLE #? 10N-12 SAMPLING DATE? 11/23/92 USGS #?

CONTAMINANTS	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	<DL
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	47000
TOTAL BTEX SUM.....	4990
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 112)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 31 , SITE NUMBER: 31.21.00, REPORT DATE: 05/25/93
REPORT TITLE: LUCKY SOURDOUGH INTERIM REPORT
SAMPLE #? MW33 SAMPLING DATE? 03/10/93 USGS #?

CONTAMINANTS	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	<DL
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	
TOTAL BTEX SUM.....	<DL
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

(Key # 112)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 31 , SITE NUMBER: 31.21.00, REPORT DATE: 05/25/93
REPORT TITLE: LUCKY SOURDOUGH INTERIM REPORT
SAMPLE #? BH1 SAMPLING DATE? 11/24/92 USGS #?

CONTAMINANTS	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	<DL
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	
TOTAL BTEX SUM.....	11.4
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 112)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 31 , SITE NUMBER: 31.21.00, REPORT DATE: 05/25/93

REPORT TITLE: LUCKY SOURDOUGH INTERIM REPORT

SAMPLE #? BH2

SAMPLING DATE? 11/24/92

USGS #?

CONTAMINANTS

VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	<DL
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	
TOTAL BTEX SUM.....	1920
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

(Key # 112)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 31 , SITE NUMBER: 31.21.00, REPORT DATE: 05/25/93

REPORT TITLE: LUCKY SOURDOUGH INTERIM REPORT

SAMPLE #? BH3

SAMPLING DATE? 11/24/92

USGS #?

CONTAMINANTS

VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	<DL
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	
TOTAL BTEX SUM.....	316
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

Alaska DNR, Div. of Mining & Water Management
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(Key # 112)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 31 , SITE NUMBER: 31.21.00, REPORT DATE: 05/25/93
REPORT TITLE: LUCKY SOURDOUGH INTERIM REPORT
SAMPLE #? BH4 SAMPLING DATE? 01/28/93 USGS #?

CONTAMINANTS	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	<DL
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	
TOTAL BTEX SUM.....	<DL
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

(Key # 112)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 31 , SITE NUMBER: 31.21.00, REPORT DATE: 05/25/93
REPORT TITLE: LUCKY SOURDOUGH INTERIM REPORT
SAMPLE #? BH7 SAMPLING DATE? 02/16/93 USGS #?

CONTAMINANTS	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	<DL
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	
TOTAL BTEX SUM.....	<DL
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 112)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 31 , SITE NUMBER: 31.21.00, REPORT DATE: 05/25/93

REPORT TITLE: LUCKY SOURDOUGH INTERIM REPORT

SAMPLE #? BH8

SAMPLING DATE? 02/16/93

USGS #?

CONTAMINANTS

VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	<DL
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	
TOTAL BTEX SUM.....	<DL
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

(Key # 112)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 31 , SITE NUMBER: 31.21.00, REPORT DATE: 05/25/93

REPORT TITLE: LUCKY SOURDOUGH INTERIM REPORT

SAMPLE #? MW37

SAMPLING DATE? 04/09/93

USGS #?

CONTAMINANTS

VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	<DL
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<DL
TOTAL BTEX SUM.....	<DL
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 112)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 31 , SITE NUMBER: 31.21.00, REPORT DATE: 05/25/93
REPORT TITLE: LUCKY SOURDOUGH INTERIM REPORT
SAMPLE #? MW38 SAMPLING DATE? 04/09/93 USGS #?

CONTAMINANTS	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	<DL
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<DL
TOTAL BTEX SUM.....	<DL
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

(Key # 112)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 31 , SITE NUMBER: 31.21.00, REPORT DATE: 05/25/93
REPORT TITLE: LUCKY SOURDOUGH INTERIM REPORT
SAMPLE #? MW4 SAMPLING DATE? 05/04/93 USGS #?

CONTAMINANTS	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	<0.05
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.05-<0.05
TOTAL BTEX SUM.....	<0.05
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 112)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 31 , SITE NUMBER: 31.21.00, REPORT DATE: 05/25/93

REPORT TITLE: LUCKY SOURDOUGH INTERIM REPORT

SAMPLE #? MW1

SAMPLING DATE? 05/04/93

USGS #?

CONTAMINANTS

VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1)	
VPH = TPH, GASOLINE (8015-V)	
EPH = TPH, DIESEL (8100)	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E)	
EPH = TPH, RESIDUALS (CRUDE OIL)	
HALOGENATED VOLATILE ORGANICS (8010)	
BENZENE	<0.05
AROMATIC VOLATILE ORGANICS, BTEX (8020)	<0.05-<0.05
TOTAL BTEX SUM	<0.05
PCB'S	
HERBICIDES	
ARSENIC	
MERCURY	
LEAD	
METALS	

(Key # 112)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 31 , SITE NUMBER: 31.21.00, REPORT DATE: 05/25/93

REPORT TITLE: LUCKY SOURDOUGH INTERIM REPORT

SAMPLE #? MW2

SAMPLING DATE? 05/04/93

USGS #?

CONTAMINANTS

VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1)	
VPH = TPH, GASOLINE (8015-V)	
EPH = TPH, DIESEL (8100)	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E)	
EPH = TPH, RESIDUALS (CRUDE OIL)	
HALOGENATED VOLATILE ORGANICS (8010)	
BENZENE	<0.05
AROMATIC VOLATILE ORGANICS, BTEX (8020)	<0.05-<0.05
TOTAL BTEX SUM	<0.05
PCB'S	
HERBICIDES	
ARSENIC	
MERCURY	
LEAD	
METALS	

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 112)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 31 , SITE NUMBER: 31.21.00, REPORT DATE: 05/25/93

REPORT TITLE: LUCKY SOURDOUGH INTERIM REPORT

SAMPLE #? MW3

SAMPLING DATE? 05/04/93

USGS #?

CONTAMINANTS	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	<0.05
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.05-<0.05
TOTAL BTEX SUM.....	<0.05
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

(Key # 112)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 31 , SITE NUMBER: 31.21.00, REPORT DATE: 05/25/93

REPORT TITLE: LUCKY SOURDOUGH INTERIM REPORT

SAMPLE #? MW7

SAMPLING DATE? 05/04/93

USGS #?

CONTAMINANTS	VALUES -PPM
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	<0.05
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.05-<0.05
TOTAL BTEX SUM.....	<0.05
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 112)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 31 , SITE NUMBER: 31.21.00, REPORT DATE: 05/25/93

REPORT TITLE: LUCKY SOURDOUGH INTERIM REPORT

SAMPLE #? MW5

SAMPLING DATE? 05/04/93

USGS #?

CONTAMINANTS

VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	<0.05
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.05-<0.05
TOTAL BTEX SUM.....	<0.05
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

(Key # 112)

CHEMISTRY DATA - SUBSURFACE SOIL

REPORT NUMBER: 31 , SITE NUMBER: 31.21.00, REPORT DATE: 05/25/93

REPORT TITLE: LUCKY SOURDOUGH INTERIM REPORT

SAMPLE #? MW6

SAMPLING DATE? 05/04/93

USGS #?

CONTAMINANTS

VALUES -PPM

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
HALOGENATED VOLATILE ORGANICS (8010).....	
BENZENE.....	<0.05
AROMATIC VOLATILE ORGANICS, BTEX (8020).....	<0.05-<0.05
TOTAL BTEX SUM.....	<0.05
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 112)

CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 31 , SITE NUMBER: 31.21.00, REPORT DATE: 05/25/93
REPORT TITLE: LUCKY SOURDOUGH INTERIM REPORT
SAMPLE #? B5W SAMPLING DATE? 01/28/93 USGS #?

CONTAMINANTS	VALUES -PPB
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
PURGEABLE HALOCARBONS (601).....	
BENZENE.....	0.3
PURGEABLE AROMATICS, BTEX (602).....	
TOTAL BTEX SUM.....	1.5
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

(Key # 112)

CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 31 , SITE NUMBER: 31.21.00, REPORT DATE: 05/25/93
REPORT TITLE: LUCKY SOURDOUGH INTERIM REPORT
SAMPLE #? MW29 SAMPLING DATE? 03/21/93 USGS #?

CONTAMINANTS	VALUES -PPB
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
PURGEABLE HALOCARBONS (601).....	<DL-54
BENZENE.....	54
PURGEABLE AROMATICS, BTEX (602).....	
TOTAL BTEX SUM.....	56.1
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

Alaska DNR, Div. of Mining & Water Management
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(Key # 112)

CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 31 , SITE NUMBER: 31.21.00, REPORT DATE: 05/25/93
REPORT TITLE: LUCKY SOURDOUGH INTERIM REPORT
SAMPLE #? MW30 SAMPLING DATE? 03/21/93 USGS #?

CONTAMINANTS	VALUES -PPB
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
PURGEABLE HALOCARBONS (601).....	<DL-36
BENZENE.....	36
PURGEABLE AROMATICS, BTEX (602).....	
TOTAL BTEX SUM.....	37.6
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

(Key # 112)

CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 31 , SITE NUMBER: 31.21.00, REPORT DATE: 05/25/93
REPORT TITLE: LUCKY SOURDOUGH INTERIM REPORT
SAMPLE #? MW31 SAMPLING DATE? 03/21/93 USGS #?

CONTAMINANTS	VALUES -PPB
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
PURGEABLE HALOCARBONS (601).....	<DL-31
BENZENE.....	31
PURGEABLE AROMATICS, BTEX (602).....	
TOTAL BTEX SUM.....	69.5
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 112)

CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 31 , SITE NUMBER: 31.21.00, REPORT DATE: 05/25/93
REPORT TITLE: LUCKY SOURDOUGH INTERIM REPORT
SAMPLE #? MW32 SAMPLING DATE? 03/21/93 USGS #?

CONTAMINANTS	VALUES -PPB
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
PURGEABLE HALOCARBONS (601).....	<DL-37000
BENZENE.....	34000
PURGEABLE AROMATICS, BTEX (602).....	
TOTAL BTEX SUM.....	88600
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

(Key # 112)

CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 31 , SITE NUMBER: 31.21.00, REPORT DATE: 05/25/93
REPORT TITLE: LUCKY SOURDOUGH INTERIM REPORT
SAMPLE #? MW33 SAMPLING DATE? 03/21/93 USGS #?

CONTAMINANTS	VALUES -PPB
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
PURGEABLE HALOCARBONS (601).....	<DL-8900
BENZENE.....	8900
PURGEABLE AROMATICS, BTEX (602).....	
TOTAL BTEX SUM.....	10560
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 112)

CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 31 , SITE NUMBER: 31.21.00, REPORT DATE: 05/25/93

REPORT TITLE: LUCKY SOURDOUGH INTERIM REPORT

SAMPLE #? MW34

SAMPLING DATE? 03/21/93

USGS #?

CONTAMINANTS

VALUES -PPB

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
PURGEABLE HALOCARBONS (601).....	<DL-2.8
BENZENE.....	1.1
PURGEABLE AROMATICS, BTEX (602).....	
TOTAL BTEX SUM.....	3.9
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

(Key # 112)

CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 31 , SITE NUMBER: 31.21.00, REPORT DATE: 05/25/93

REPORT TITLE: LUCKY SOURDOUGH INTERIM REPORT

SAMPLE #? MW35

SAMPLING DATE? 04/15/93

USGS #?

CONTAMINANTS

VALUES -PPB

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
PURGEABLE HALOCARBONS (601).....	<DL-28
BENZENE.....	28
PURGEABLE AROMATICS, BTEX (602).....	
TOTAL BTEX SUM.....	28.8
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 112)

CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 31 , SITE NUMBER: 31.21.00, REPORT DATE: 05/25/93
REPORT TITLE: LUCKY SOURDOUGH INTERIM REPORT
SAMPLE #? MW36 SAMPLING DATE? 04/16/93 USGS #?

CONTAMINANTS	VALUES -PPB
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
PURGEABLE HALOCARBONS (601).....	<DL-31
BENZENE.....	31
PURGEABLE AROMATICS, BTEX (602).....	
TOTAL BTEX SUM.....	36.5
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

(Key # 112)

CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 31 , SITE NUMBER: 31.21.00, REPORT DATE: 05/25/93
REPORT TITLE: LUCKY SOURDOUGH INTERIM REPORT
SAMPLE #? MW37 SAMPLING DATE? 04/15/93 USGS #?

CONTAMINANTS	VALUES -PPB
TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
PURGEABLE HALOCARBONS (601).....	<DL-3100
BENZENE.....	3100
PURGEABLE AROMATICS, BTEX (602).....	
TOTAL BTEX SUM.....	3484
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	

Alaska DNR, Div. of Mining & Water Management
Alaska Hydrologic Survey

(Key # 112)

CHEMISTRY DATA - GROUND WATER

REPORT NUMBER: 31 , SITE NUMBER: 31.21.00, REPORT DATE: 05/25/93

REPORT TITLE: LUCKY SOURDOUGH INTERIM REPORT

SAMPLE #? MW38

SAMPLING DATE? 04/15/93

USGS #?

CONTAMINANTS

VALUES -PPB

TPH (TOTAL PETROLEUM HYDROCARBONS), (418.1).....	
VPH = TPH, GASOLINE (8015-V).....	
EPH = TPH, DIESEL (8100).....	
EPH = TPH, EXTRACTABLES, UNDIFF. (8015-E).....	
EPH = TPH, RESIDUALS (CRUDE OIL).....	
PURGEABLE HALOCARBONS (601).....	<DL-3500
BENZENE.....	37
PURGEABLE AROMATICS, BTEX (602).....	
TOTAL BTEX SUM.....	4687
PCB'S.....	
HERBICIDES.....	
ARSENIC.....	
MERCURY.....	
LEAD.....	
METALS.....	