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FINAL
EXPANDED SITE INSPECTION
COEUR D'ALENE GROUNDWATER CONTAMINATION SITE
COEUR D'ALENE, IDAHO

ARCS Region 10

Contract No. 68-WP-0020

Work Assignment No. 20-26-OJZZ

December 1996

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Coeur d'Alene, Idaho

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REVISION PAGE

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1. INTRODUCTION

Ecology and Environment, Inc., (E & E) has been assigned by the United States Environmental Protection Agency (EPA) to provide technical support for the completion of an expanded site inspection (ESI) at the Coeur d'Alene groundwater contamination site (CDA) in the city of Coeur d'Alene, Idaho. E & E activities were conducted under work assignment number 20-26-OJZZ, issued under EPA Region 10 Alternative Remedial Contracting Strategy (ARCS) contract number 68-WP-0020.

ESI activities conducted by E & E addressed work elements listed in EPA's scope of work (SOW) dated January 31, 1994. The specific goals for the CDA ESI identified by EPA in the SOW are as follows:

- To provide EPA with adequate information to determine if the site is eligible for placement on the National Priorities List (NPL) based on the Hazard Ranking System (HRS) and, if so, support EPA's case for listing the site;
- To alert EPA to immediate threats to public health or the environment and assess whether there are early action/removal activities that are appropriate for the site;
- To provide EPA with more information on site characteristics, contaminant sources and distribution, and migration pathways to assist in scoping a remedial investigation/ feasibility study; and
- To prepare information on the site so that it can be transferred to the remedial program in an organized and useful way.

Work on the CDA ESI has included four phases of field activities conducted between June 1994 and May 1996. The overall objectives of the CDA ESI were presented in the Field Operations Work Plan (FOWP) for the first phase of field activities (E & E 1994b). These objectives include the following:

- Determine whether facilities identified as potential point sources of trichloroethylene (TCE) are, in fact, sources of the TCE groundwater contamination observed in downgradient wells;

- Determine whether other unidentified wells within the site boundary contain TCE contamination to better define the TCE plume and to identify contamination that may be a potential threat to public health;

- Further investigate local hydrology and aquifer characteristics that may be affecting the contaminant plume. This may aid in determining the source(s) of the contamination and identifying the plume direction to protect other water resources; and

- Collect data and create a data management system that will organize all site data and augment existing Geographic Information System (GIS) information. All information collected during the ESI field activities are available for input into the current GIS for the CDA.

The results of the first three phases of the ESI were detailed in the 1995 ESI Report (E & E 1995) and presented at a public meeting in Coeur d'Alene in September 1995. As discussed in the 1995 ESI Report, results of screening at potential source areas were inconclusive due to problems experienced during sampling and analysis. In addition, results of Phases II and III suggested the possibility of additional potential source areas not investigated during Phases I, II, or III of the ESI. As a result, E & E was tasked by EPA to conduct a fourth phase of field activities. The specific objectives of the Phase IV activities included the following:

- Conduct additional investigations at several potential source areas that were investigated during Phase I field activities, but for which screening results were inconclusive, to determine whether the facilities are sources of TCE detected in area wells; and

- Determine whether facilities located upgradient of Demong Industries are sources of TCE in the area groundwater.

This ESI Report details the results of Phase IV ESI activities, and summarizes results of Phases I, II, and III of the ESI. Section 2 summarizes the site background. Section 3 describes field activities and analytical protocol. Section 4 provides a summary of analytical results for Phase IV sampling activities. Section 5 summarizes the findings of the ESI.

2. SITE BACKGROUND

This section, which is adapted from the 1995 ESI Report (E & E 1995), presents background information of the CDA, including a brief discussion of its geographic setting, a summary of the pre-ESI investigatory history, descriptions of the potential source areas investigated, and a description of the contaminants of concern for the ESI.

2.1 SITE LOCATION AND SETTING

The CDA consists of approximately 23 square miles in the northern portion of the city of Coeur d'Alene, Idaho. The CDA study area, as defined in the SOW, is shown in Figure 2-1. CDA is positioned between Hayden Lake to the northeast and Coeur d'Alene Lake to the south. It is believed to be in a recharge area of the Spokane Valley-Rathdrum Prairie Aquifer, which is a sole-source aquifer for Spokane, Washington, and Post Falls and Coeur d'Alene, Idaho (E & E 1994a).

Coeur d'Alene is characterized by a dry continental climate with an average annual rainfall of 26.03 inches and a mean annual lake evaporation rate of 38 inches. The average annual temperature is 47.5°F (E & E 1993).

2.2 PRE-ESI INVESTIGATORY HISTORY

The following is a summary of the pre-ESI investigatory history of TCE groundwater contamination in the Coeur d'Alene area.

2.2.1 Groundwater Contamination

In the fall of 1989, the State of Idaho adopted new regulations that established maximum contaminant levels (MCLs) for certain volatile organic compounds (VOCs) in drinking water. These regulations also established monitoring and reporting requirements for all community

water systems, including requirements for quarterly sampling for VOC analyses of water system supply wells (Idaho Department of Environmental Quality [IDEQ] 1990a).

In March 1990, the Sunrise Terrace Water Association system, serving a private development with 55 connections, was sampled by IDEQ for VOC analysis. The Sunrise Terrace Water Association system consists of two adjacent wells, designated as the north and south wells, and a storage reservoir. The two wells are screened at a similar depth interval; from 261 to 296 feet below ground surface (BGS) for the north well, and from 285 to 300 feet BGS for the south well. IDEQ collected the sample from the water distribution system downstream of the reservoir. Analytical results indicated TCE at 22.8 micrograms per liter (μg/L), above the MCL of 5 μg/L for TCE. A verification/check sample collected the following month contained TCE at a concentration of 20.0 μg/L (IDEQ 1990b).

In April 1990 additional samples were collected at the wellhead of each of the two supply wells. Analytical results indicated TCE concentrations of 26.5 μg/L in the north well and 19.8 μg/L in the south well. Subsequent sampling later that month indicated similar results. In 1991 the Sunrise Terrace Water Association began receiving water from the City of Coeur d'Alene (E & E 1993).

In July 1992, at the request of IDEQ, the City of Coeur d'Alene Hanley well was added to the ongoing Rathdrum Prairie monitoring program and was sampled by the Panhandle Health District (PHD) for VOC analysis. This well is located approximately 800 feet west of the Sunrise Terrace well system and is screened from 290 to 340 feet BGS. Although the screened interval of the Hanley well is deeper than those of the Sunrise Terrace wells, its surface elevation is proportionately higher, thus placing its screen at an elevation comparable to those of the Sunrise Terrace wells. TCE was detected in the July 1992 sample at 3.17 μg/L (IDEQ 1992). Subsequent sampling yielded similar results.

A review of the EPA Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS) site file (EPA 1994), a search of EPA's STORET database (EPA 1995), and a review of records from the IDEQ and PHD indicate that TCE has been detected in ten wells sampled in the Coeur d'Alene area prior to the present investigation. It should be noted, however, that the reported analytical results for samples collected prior to 1989 are of questionable reliability due to inadequate adherence to quality assurance procedures at the IDEQ analytical laboratory prior to 1989 (Painter 1995). Sample results for

these wells are presented in Table 2-1 and Figure 2-2. The Coeur d'Alene Airport well and the LA Aluminum well are located north of the northern boundary of the study area, near the airport, approximately 2.5 miles north of the Sunrise Terrace wells. All of the wells listed in Table 2-1 have been sampled periodically up to the present. Only the Coeur d'Alene Hanley well, the Sunrise Terrace well system, and the H & D Trailer Park well have exhibited TCE contamination since 1989.

2.2.2 Potential Source Identification

In 1990, IDEQ initiated an investigation to identify potential TCE sources in the area of the Sunrise Terrace Water Association system. One site previously investigated by EPA under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) (E & E 1985) was identified as a potential source. The site, Deming Industries, is located approximately 2 miles southeast and hydraulically upgradient of the Sunrise Terrace wells. Former employees of Deming Industries have alleged that TCE-contaminated waste was released to their on-site septic/dry well system and to the ground (IDEQ 1990b).

In 1991, EPA tasked E & E's Field Investigation Team (FIT) (contract number 68-01-7347) to identify and conduct a preliminary investigation of potential sources of TCE in the CDA area. This investigation resulted in the identification of 26 potential sources of TCE (E & E 1991). Table 2-2 briefly describes the sites identified in this investigation. As noted in Table 2-2, several of the sites were visited by the FIT, and brief reports were generated outlining the potential of the site in question to have contributed to groundwater TCE contamination. Based on this information, several sites (GTE, C & S Transmission, Kootenai County Landfill on Ramsey Road, the Idaho Department of Transportation [IDOT] facility on Ramsey Road, and the former IDOT facility on Government Way) were revisited by the URS Consultants' FIT in 1992 to gather additional information and document site conditions (EPA 1994).

In November 1993, E & E's Technical Assistance Team (TAT) performed sampling at two of the previously identified potential TCE sources (the former Asphalt Batch Plant area and vicinity and Advanced Input Devices) for the EPA (contract number 68-WO-0037). Results are summarized in the 1995 ESI Report (E & E 1995).

2.3 POTENTIAL SOURCE AREAS INVESTIGATED DURING THE ESI

Based on results of pre-ESI investigations and information acquired during the ESI, seven potential source areas were chosen for further investigation and sampling during Phase I of the ESI. These potential source areas are described in the 1995 ESI Report (E & E 1995).

On the basis of the first three phases of the ESI, the following three potential source areas investigated during Phase I were selected for further investigation during Phase IV field activities:

- Deming Industries;
- Former Idaho Department of Transportation (IDOT) maintenance facility on Government Way (Albertsons); and
- Interstate Concrete and Asphalt.

Three additional potential source areas were also selected for investigation during Phase IV field activities. These areas are:

- The Coeur d'Alene Laundry Center & Dry Cleaning and Columbia Paint & Coating area;
- Montgomery Ward Auto Express; and
- Area of historic City of Coeur d'Alene landfill (presently occupied by the City of Coeur d'Alene compost facility).

Each of the potential source areas investigated during Phase IV field activities is described in the following sections.

2.3.1 Deming Industries

Deming Industries is located at 2945 Government Way, Coeur d'Alene, Idaho and 47°42'13" North latitude and 116°47'9" West longitude. The location of Deming Industries is shown in Figures 2-3 and 2-4. The following description of the Deming Industries facility is adapted from the 1995 ESI Report (E & E 1995).

The facility began operations in 1955 as Deming Machine and Supply Company. Deming Machine evolved into Deming Industries, a metal plating and painting facility, between approximately 1968 and 1970. During that time, the company installed a drainfield system on the west side of the property comprising a large septic tank connected by pipes to six drywells. Former employees alleged that the company disposed of various liquid hazardous wastes from their processes on the site by discharging to the ground via the drainfield system and by the direct dumping and/or burial of the wastes on site between 1970 and 1975. The waste stream consisted of sulfuric acid, nitric acid, cyanide solutions, chromic acid, TCE, and plating solutions containing zinc, copper, and silver. The estimated quantity of TCE disposed to the drainfield or to the ground may have been 600 to 800 gallons per year. After 1975, the company began discharging its wastewater into the city of Coeur d'Alene Wastewater Treatment Plant sewer system (E & E 1985).

In 1980, operations were transferred from the old building on the southeast corner of the site to the presently used building, located immediately north of the old building. The old building was subsequently removed, although its concrete slab remains intact. The area north of the old building served as an automobile junk yard from the mid-1940s until the late 1970s. Deming acquired this property in 1979 (E & E 1985).

From 1955 to 1979, the area occupied by the western end of the new electroplating facility was operated as a diesel truck maintenance shop. Wastes were allegedly disposed onto the ground near the entrance to this shop. This shop was converted to a painting operations area in 1979. The plating processes (including degreasing, plating, and anodizing) are performed on the southern half of the new building. Cleaning solutions and many of the plating solutions are mixed with rinse water, pH adjusted, diluted with cooling process water, and discharged to the city sewer via a line located on the south side of the building (E & E 1985).

The EPA conducted an investigation of Deming Industries in December 1984 to investigate allegations from former employees that liquid wastes from various processes, including TCE, were discharged into an on-site drainfield and onto the ground. During the investigation, several boreholes were drilled in the area of the drainfield and soil samples were collected. Samples were also collected from the contents of a septic tank located on the south side of the property, and from soil in the area of the secondary drywell. The types of

chemicals used at the Deming facility in the plating shop and paint shop were detected in the septic tank, and to a lesser degree in the secondary drywell. The contents of the septic tank included TCE, tetrachloroethene (PCE), and trans-1,2-dichloroethene (trans-1,2-DCE) at concentrations of 113,000 parts per billion (ppb), 26,000 ppb, and 10,800 ppb, respectively. Other VOCs detected in the septic tank include methylene chloride (3,970 ppb), acetone (41,700 ppb), and 2-butanone (37,250 ppb). Soil collected from a borehole located immediately north of the secondary drywell also contained low levels of VOCs similar to those detected in the septic tank.

During a TAT investigation conducted in November 1993, the sewer drain pipe connecting Deming Industries to the city sewer main was noted to be corroded and broken near the location where the pipe joins with the main on West Anton Avenue. A soil sample collected by IDEQ near the break during the winter of 1993 did not contain VOCs. Deming's sewer line was subsequently repaired and reconnected to the city sewer main.

2.3.2 Coeur d'Alene Laundry Center & Dry Cleaning/Columbia Paint & Coating Area

The area immediately south and hydraulically upgradient of Deming Industries includes Coeur d'Alene Laundry Center & Dry Cleaning and Columbia Paint & Coating. The history and description of these facilities are presented in the following subsections.

2.3.2.1 Coeur d'Alene Laundry Center & Dry Cleaning. Coeur d'Alene Laundry Center & Dry Cleaning is located at 106 West Haycraft Avenue, Coeur d'Alene, Idaho and 47°42'10" North latitude and 116°47'9" West longitude. The location of Coeur d'Alene Laundry Center & Dry Cleaning is shown in Figures 2-3 and 2-4. Coeur d'Alene Laundry Center & Dry Cleaning is one of the 26 potential sources of TCE in the area groundwater identified during EPA's 1991 FIT investigation because it engages in dry cleaning, a process in which TCE commonly has been used. Several drums of PCE were noted during the site visit in 1991. TCE was not then determined to have been used at the facility (E & E 1991).

During Phase II ESI field activities, E & E conducted an interview with the site owner, Mr. Jack Wardian. According to Mr. Wardian, the facility has been operating at the site since early 1986. The facility has been connected to the city sanitary sewer system since it began operating. No sumps, drainfields, or underground storage tanks were determined to

exist at the facility. TCE is not known to have been used at the site in the past. PCE was reported by Mr. Wardian to still be in use.

2.3.2.2 Columbia Paint & Coating. Columbia Paint & Coating is located immediately east of Coeur d'Alene Laundry Center & Dry Cleaning, at 106 West Haycraft Avenue, Coeur d'Alene, Idaho, and 47°42'10" North latitude and 116°47'9" West longitude. The location of Columbia Paint & Coating is illustrated in Figures 2-3 and 2-4. Columbia Paint & Coating had not been the subject of previous investigations of TCE contamination.

During Phase IV field activities, E & E interviewed the store manager (Mr. Rich Oldham) and district manager of Columbia Paint & Coating (Mr. Maurice Therrian). According to Mr. Therrian, Columbia Paint & Coating has occupied its present location for approximately 20 years. Activities at the facility are known to include mixing, storage, and sales of paints and other coatings. There is no knowledge of manufacturing of paints or other coatings, or the use of chlorinated solvents at the facility. Neither interviews nor a visual inspection of the facility revealed the presence of underground storage tanks or septic tanks at the site. Two drywells exist on the property, one for drainage of storm water on the parking lot, and the other for drainage of storm water from the roof as well as the parking lot. Several coatings of spilled/dumped paint were found on the grating of the drywell for the roof drain.

2.3.3 Montgomery Ward Auto Express

Montgomery Ward Auto Express is located at 101 Best Avenue, Coeur d'Alene, Idaho, and 47°42'7" North latitude and 116°47'6" West longitude. The location of Montgomery Ward Auto Express is illustrated in Figures 2-3 and 2-4.

Montgomery Ward Auto Express was selected for investigation during Phase IV field activities on the basis of the possibility that TCE had been utilized in its operations and its location hydraulically upgradient of wells in which TCE has been detected. Montgomery Ward Auto Express had not been the subject of prior investigations of TCE contamination. Interviews conducted by E & E during Phase IV field activities with store manager Mr. Jerry Franklin and another Montgomery Ward Auto Express employee, Mr. Bill Poirier, are summarized below. Montgomery Ward has conducted automobile maintenance at the present

location for approximately 30 years. Currently, the facility performs primarily oil changes and brake repairs, although other more intensive automobile repair operations have been performed in the past. Prior to its removal, an underground waste oil storage tank was located near the northwest corner of the building. There is no knowledge or evidence of other underground storage tanks, septic systems, or drywells, or of past or present use of chlorinated solvents at the facility.

2.3.4 Former Idaho Department of Transportation Maintenance Facility (Albertsons)

The site of the former IDOT maintenance facility is located between Government Way and U.S. Highway 95 and south of Ironwood Drive in Coeur d'Alene, Idaho, and 47°40'40" North latitude and 116°47'23" West longitude. The site is presently occupied by an Albertsons grocery store and other shops of the Ironwood Square shopping center. The location of the former IDOT maintenance facility is illustrated in Figure 2-3.

The following synopsis of the site history is adapted from the 1995 ESI Report (E & E 1995). IDOT operated a truck maintenance facility at the site from the early 1940s until November 1990. Degreasing operations were performed in a parts washer using petroleum distillate. It is possible that TCE was used for degreasing and cleaning activities (EPA 1994). Sixteen drywells connected to floor drains of the IDOT maintenance shop were reportedly used for dumping of oil (EPA 1994).

Following transfer of the property to First Western Development in 1990, the property was redeveloped. During redevelopment of the property, subsurface soil was sampled from 12 soil borings; in addition, remediation of total petroleum hydrocarbons (TPH) contamination was implemented. TCE was detected in 2 of 15 subsurface soil samples collected from locations on the south side of the property, behind the present Albertsons store, at estimated concentrations of 0.6 μg/kg and 3.0 μg/kg (CH2M 1989a). The main contaminant of concern during remediation was TPH. Soil was excavated at the site to depths below which soil samples contained less than 1,000 parts per million TPH (CH2M 1989a).

IDOT drilled a well approximately 100 feet downgradient from the area of major contamination (north of the present Albertsons location) to the depth at which water was encountered (172 feet BGS). Neither a soil sample collected at 70 feet BGS during drilling

nor a groundwater sample contained detectable levels of VOCs (CH2M 1989b). The well was subsequently abandoned (EPA 1994).

2.3.5 Interstate Concrete and Asphalt

Interstate Concrete and Asphalt is located at 845 Kathleen Avenue, Coeur d'Alene, Idaho and 47°43'10.4" North latitude and 116°47'43" West longitude. The location of Interstate Concrete and Asphalt is illustrated in Figure 2-3. The following synopsis of the site history is modified from the 1995 ESI Report (E & E 1995). Interstate Concrete and Asphalt was identified as one of 26 potential sources of groundwater TCE contamination during the 1991 EPA FIT investigation (E & E 1991). However, there was no knowledge of processes or waste management at Interstate Concrete and Asphalt at that time. During Phase I sampling activities, an anonymous communication to EPA alleged that solvents may have been used and improperly disposed of at the facility's truck washing area, located north of the facility office building. The primary operations at the facility are excavation of sand and gravel from the large pit, which comprises most of the site, and batching of concrete.

2.3.6 Historic City of Coeur d'Alene Landfill (City of Coeur d'Alene Compost Facility)

A former City of Coeur d'Alene landfill (historic landfill) is located at 3500 Julia Street, Coeur d'Alene, Idaho and 47°42'30" North latitude and 116°47'50" West longitude. The site of the historic landfill is presently occupied by the City of Coeur d'Alene compost facility, and is situated immediately east of the Kootenai County landfill. The location of the historic landfill is illustrated in Figure 2-3.

The historic landfill had not been the subject of prior investigations of TCE contamination. Per discussions with representatives of the Panhandle Health District (Lustig 1996) and the City of Coeur d'Alene (Keil 1996), the site was utilized by the City of Coeur d'Alene as a "roll and burn" dump site from the 1930s through the 1970s. From that time through 1988, the City of Coeur d'Alene operated a sludge drying facility on the site. From 1988 to the present, the City of Coeur d'Alene has utilized the site for composting. The historic landfill was selected for investigation during Phase IV field activities on the basis of its location hydraulically upgradient of wells in which TCE has been detected and the possibility that TCE or other chlorinated solvents had been disposed of at the site.

2.4 CONTAMINANTS OF CONCERN

The contaminants of concern for the CDA ESI include TCE and its degradation products: 1,1-dichloroethene (1,1-DCE); cis-1,2-dichloroethene (cis-1,2-DCE); and trans-1,2-DCE. In addition, PCE and 1,1,2,2-tetrachloroethane (PCA) were also evaluated because they can break down into TCE. Figure 2-5 illustrates the conceptual transformation of TCE, PCE, and other chlorinated aliphatic hydrocarbons.

TCE has been widely used in the past by industry as a cleaner/degreaser. Industrial processes that may have generated TCE waste include metal finishing, paint and ink formulation, dry cleaning, fabrication of electrical/electronic components, and rubber processing. Both PCE and PCA, like TCE, have been used by industry to degrease metals. PCE is also widely used for dry cleaning. PCA is commonly used in the manufacture of paints, varnish, and lacquer. TCE and its degradation products have low adsorption coefficients indicating ready transport through soil and a low potential to adsorb to sediments. These compounds have relatively high vapor pressure, thereby facilitating their rapid evaporation from near-surface soil (Tomes 1994).

Table 2-1

HISTORIC TCE CONCENTRATIONS IN COEUR D'ALENE AREA WELLS
COEUR D'ALENE GROUNDWATER CONTAMINATION SITE ESI
COEUR D'ALENE, IDAHO

Well	TCE Concentration (μg/L)	Date Detected
Sunrise Terrace Well system	up to 26.5	1990, 1991
Coeur d'Alene Hanley well	up to 8.4	1992 to present
H & D Trailer Park well	0.68	April 1994
Coeur d'Alene Linden well	2.0	1989
Coeur d'Alene Locust well	0.6	1989
Turrell well	1.0* 2.0	1985 1989
U.S. Forest Service well	0.4*	1985
Dalton Garden well #1	0.5*	1985
Coeur d'Alene Airport well	0.4*	1985
LA Aluminum well	1.0* 2.0*	1985

μg/L = Micrograms per liter of water

* Note: Analytical results for samples collected prior to 1989 are of questionable reliability due to inadequate adherence to quality assurance procedures at the IDEQ laboratory prior to 1989. See text.

Table 2-2

POTENTIAL SOURCES OF GROUNDWATER TCE CONTAMINATION
1991 FIT INVESTIGATION
COEUR D'ALENE GROUNDWATER CONTAMINATION SITE ESI
COEUR D'ALENE, IDAHO

No.	Site Name/Address	Comments
1.	Deming Industries, Inc. 2945 Government Way Coeur d'Alene, Idaho 83814	Known to have illegally disposed TCE on site; EPA investigated (CERCLA). Site visit and report, May 1991.
2.	Advanced Input Devices (AID) W. 250 AID Drive Coeur d'Alene, Idaho 83814	Makes computer keyboards; RCRA file indicates AID has been cited in violation of many regulations regarding hazardous waste; AID has filed with EPA as a generator of spent halogenated solvents which includes TCE. Site visit and report, May 1991.
3.	GTE 450 W. Park, Box 1058 Coeur d'Alene, Idaho 83814	Located near Sunrise Terrace; listed with EPA as an ignitable waste generator; TCE is known to be used in electrical component manufacturing. Site visit and report, May 1991.
4.	Property owned by: T & S Investments P.O. Box 1828 Coeur d'Alene, Idaho 83814 Site location: 563 W. Park Avenue Coeur d'Alene, Idaho 83814	Located near Sunrise Terrace; site is believed to be an abandoned lot; approximately 100 feet on all sides; two underground storage tanks on ground surface; two 55-gallon drums tipped over; black, tar-like stains on ground surface. Site visit and report, June 1991.
5.	Ramsey Road Landfill Kootenai County	Located 1 to 1.5 miles from Sunrise Terrace; according to IDEQ, unlined landfill in use since before 1951; no monitoring wells. Site visit and report, May 1991.
6.	Tom Addis Dodge Jerry's Body Shop 320 W. Kathleen Coeur d'Alene, Idaho 83814	Shops are connected; listed in EPA RCRA records as generators of ignitable wastes.
7.	Knutsen Chevrolet 1710 W. 4th Street Coeur d'Alene, Idaho 83814	Listed in EPA RCRA records as generators of ignitable wastes.
8.	Robideauz Motor Company 1603 Sherman Avenue Coeur d'Alene, Idaho 83814	Listed in EPA RCRA records as generators of unidentified hazardous wastes.
9.	Emerald Cleaners 826 N. 4th Street Coeur d'Alene, Idaho 83814	Listed in EPA RCRA records as generators of ignitable wastes and spent halogenated solvents which include TCE.
10.	Coeur d'Alene Laundry and Drycleaning 106 W. Haycraft Coeur d'Alene, Idaho 83814	Listed in EPA RCRA records as a generator of waste perchloroethylene; drums located outside building are marked "Toxic" and "PERC."

Table 2-2

POTENTIAL SOURCES OF GROUNDWATER TCE CONTAMINATION
1991 FIT INVESTIGATION
COEUR D'ALENE GROUNDWATER CONTAMINATION SITE ESI
COEUR D'ALENE, IDAHO

No.	Site Name/Address	Comments
11.	Lloyd Sanberan Auto Electric 1916 Sherman Avenue Coeur d'Alene, Idaho 83814	Listed in EPA RCRA records as generators of ignitable wastes.
12.	Lake City Ford Auto Body 1503 N. 4th Street Coeur d'Alene, Idaho 83814	Listed in EPA RCRA records as generators of ignitable wastes.
13.	Idaho Department of Transportation 1917 Government Way Coeur d'Alene, Idaho 83814	Listed in EPA RCRA records as a generator of D-wastes and spent halogenated and nonhalogenated wastes which include TCE.
14.	Lake City Ford 1508 N. 4th Street Coeur d'Alene, Idaho 83814	Listed in EPA RCRA records as a generator of spent halogenated and nonhalogenated solvents which include TCE.
15.	Idaho Department of Transportation 2902 Ramsey Road Coeur d'Alene, Idaho 83814	Listed in EPA RCRA records as a generator of spent halogenated and nonhalogenated solvents which include TCE. Site visit and report, June 1991.
16.	One Hour Martinizing 302 Spokane Avenue Coeur d'Alene, Idaho 83814	Listed in EPA RCRA records as generators of ignitable wastes; drycleaners are also known to use TCE.
17.	Sunset Laundry and Dry Cleaners 2514 N. 4th Street Coeur d'Alene, Idaho 83814	Listed in EPA RCRA records as a generator of spent halogenated wastes which include TCE.
18.	French Cleaners and Shirt Laundry 305 Locust Avenue Coeur d'Alene, Idaho 83814	Listed in EPA RCRA records as a generator of spent halogenated solvents which include TCE.
19.	Al's Auto Supply 402 S. Neider Avenue Coeur d'Alene, Idaho 83814	Listed in EPA RCRA records as a generator of spent halogenated solvents which include TCE.
20.	Silver Lake Autobody E. 202 Appleway Coeur d'Alene, Idaho 83814	Listed in EPA RCRA records as generators of ignitable wastes.
21.	Dry Cleaning and Laundry Village 1136 4th Street Coeur d'Alene, Idaho 83814	Six 10-gallon drums labeled "perchloroethylene" were located behind the shop.

ZO3084.1.1

Table 2-2

POTENTIAL SOURCES OF GROUNDWATER TCE CONTAMINATION
1991 FIT INVESTIGATION
COEUR D'ALENE GROUNDWATER CONTAMINATION SITE ESI
COEUR D'ALENE, IDAHO

No.	Site Name/Address	Comments
22.	Dalton Fabricators and Welding 505 Government Way Coeur d'Alene, Idaho 83814	Several unidentified 55-gallon drums located on shop property.
23.	C & S Transmission W. 180 Dalton Avenue Coeur d'Alene, Idaho 83814	Several unidentified 55-gallon drums located behind enclosure on shop property. Site visit and report, May 1991.
24.	Custom Engine Rebuilding W. 275 Dalton Avenue Coeur d'Alene, Idaho 83814	Several unidentified 55-gallon drums located on property.
25.	Jim's Radiator Service 6454 W. Clayton Coeur d'Alene, Idaho 83814	Three 55-gallon drums labeled VARSOL-3 located on property; stains on ground surface.
26.	Interstate Concrete and Asphalt 845 W. Kathleen Coeur d'Alene, Idaho 83814	Large pit approximately 1 mile from Sunrise Terrace; processes and waste management unknown.

ZO3084.1.1

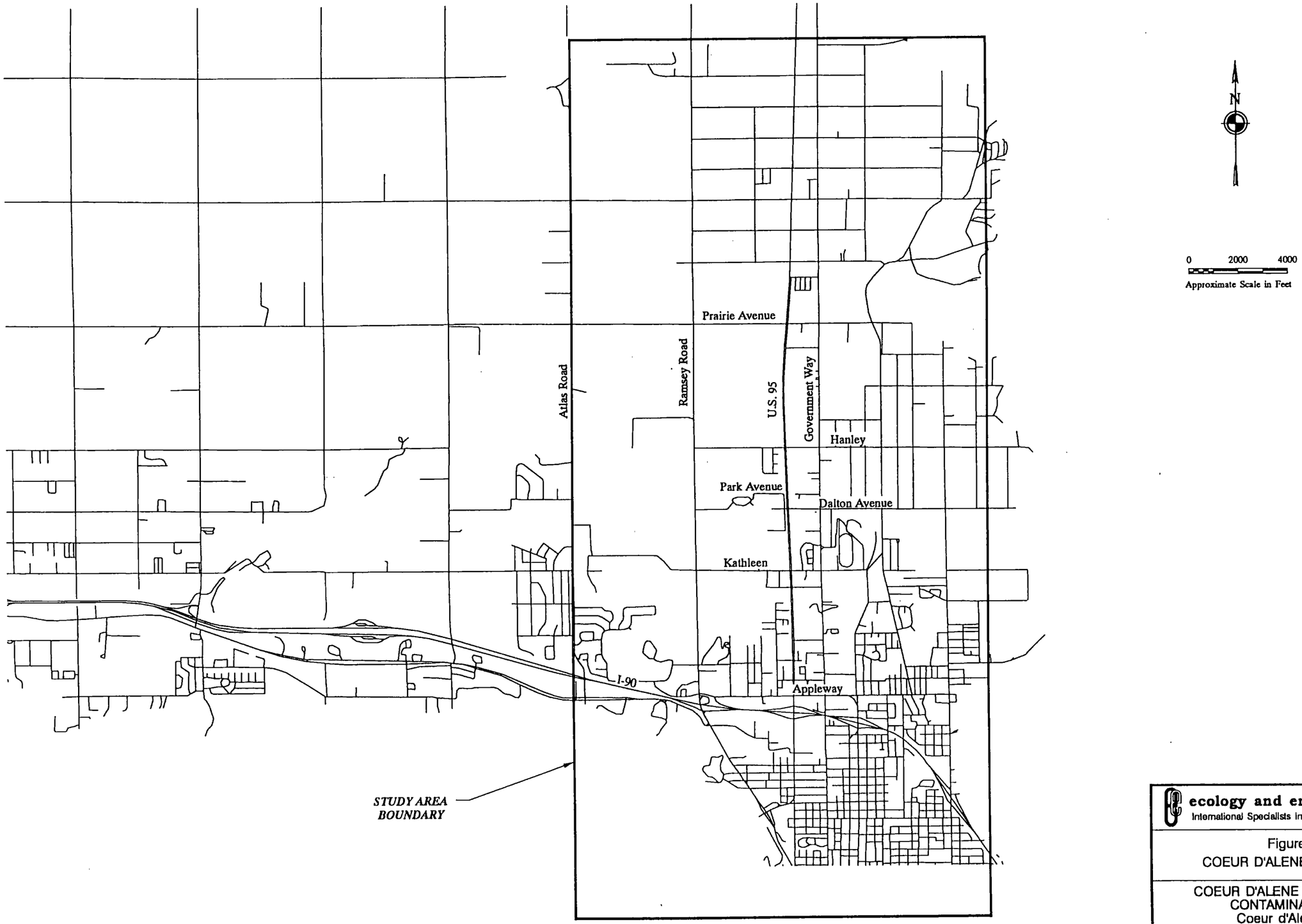

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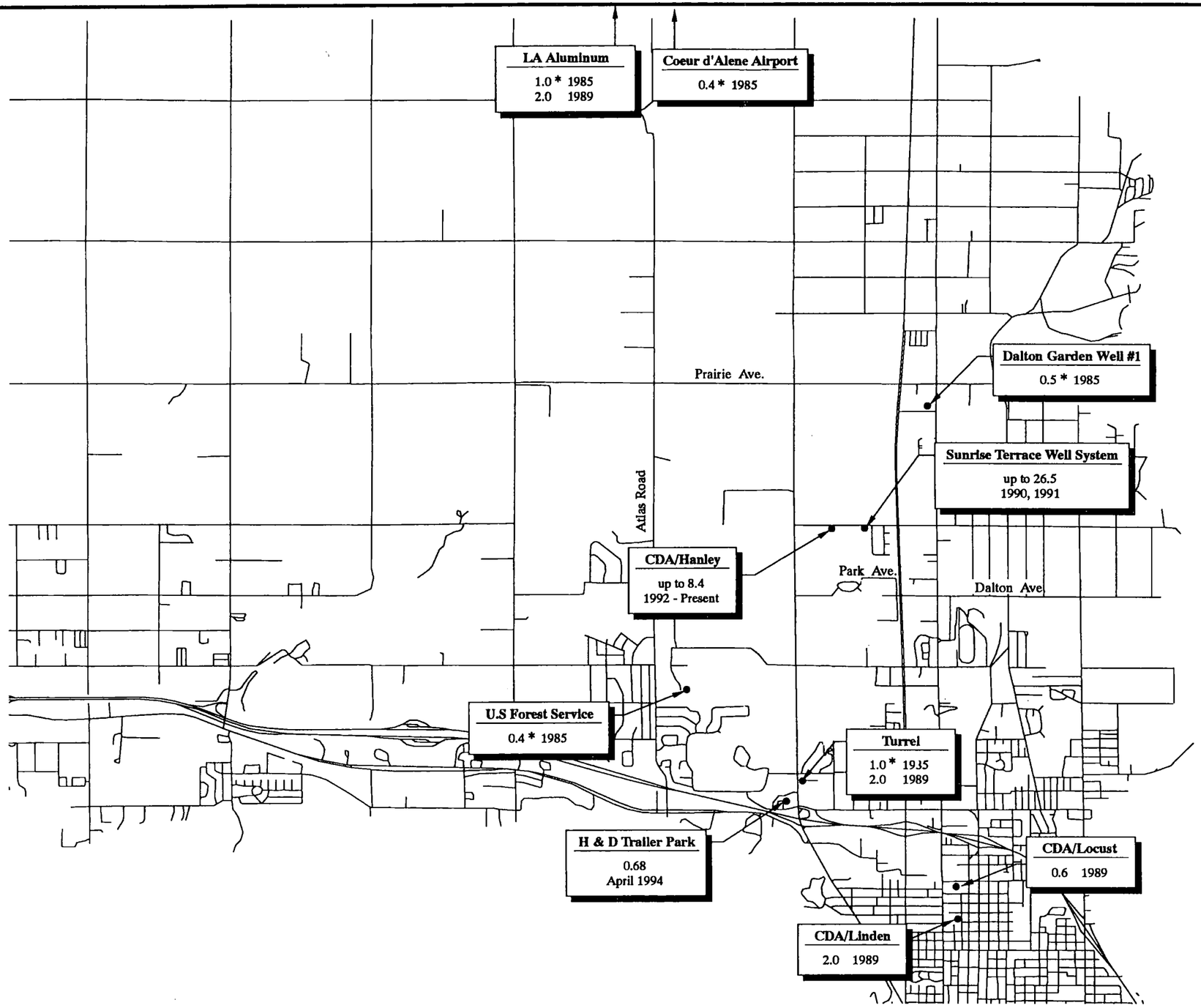
Figure 2-1
COEUR D'ALENE STUDY AREA

COEUR D'ALENE GROUNDWATER
CONTAMINATION SITE
Coeur d'Alene, Idaho

DRAWN BY:	DATE:	JOB NO:	DWG NO:
GIS	7-10-95	ZO3055	ZO3084FR



LEGEND

- Domestic/Municipal Wells

* Reported TCE analytical results for water samples analyzed prior to 1989 are of questionable quality due to inadequate quality assurance procedures in place at the analytical laboratory at that time.

Analytical Results in ug/L

N

0 2000 4000

Approximate Scale in Feet

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Figure 2-2
HISTORIC TCE CONCENTRATIONS
IN DOMESTIC AND MUNICIPAL WELLS

COEUR D'ALENE GROUNDWATER
CONTAMINATION SITE
Coeur d'Alene, Idaho

DRAWN BY:	DATE:	JOB NO:	DWG NO:
MRE	11-26-95	ZO3055	ZO3084FS

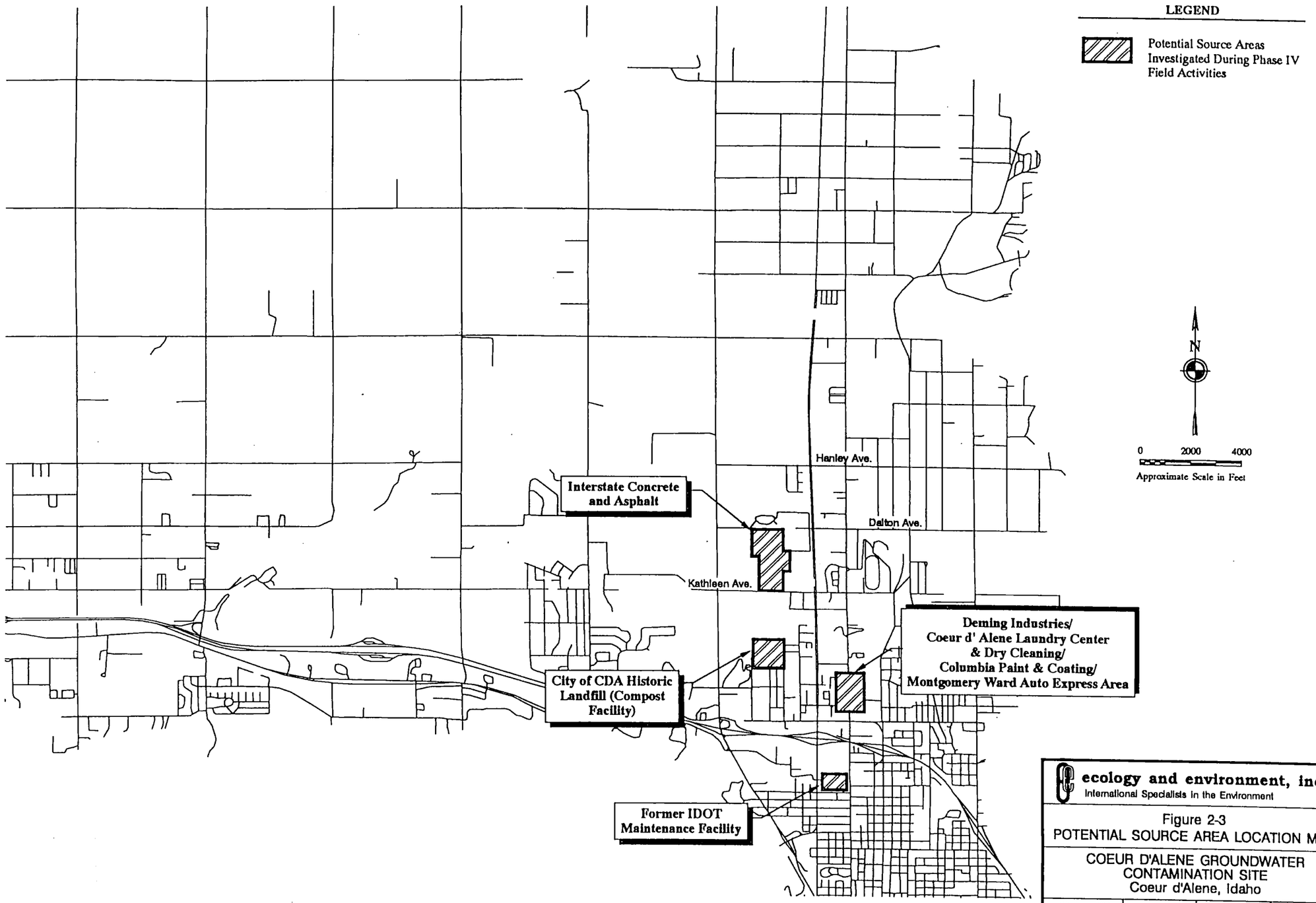

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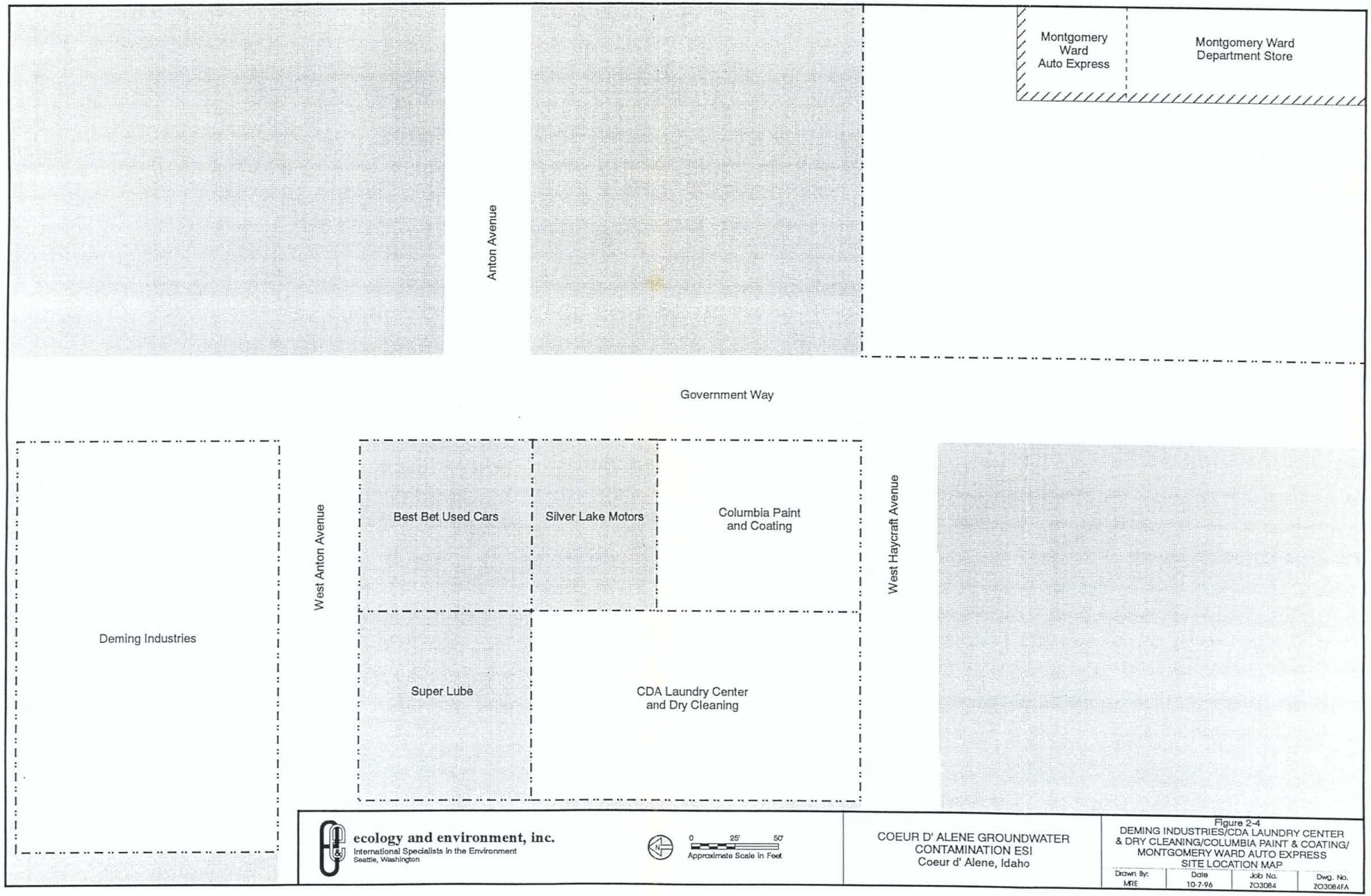
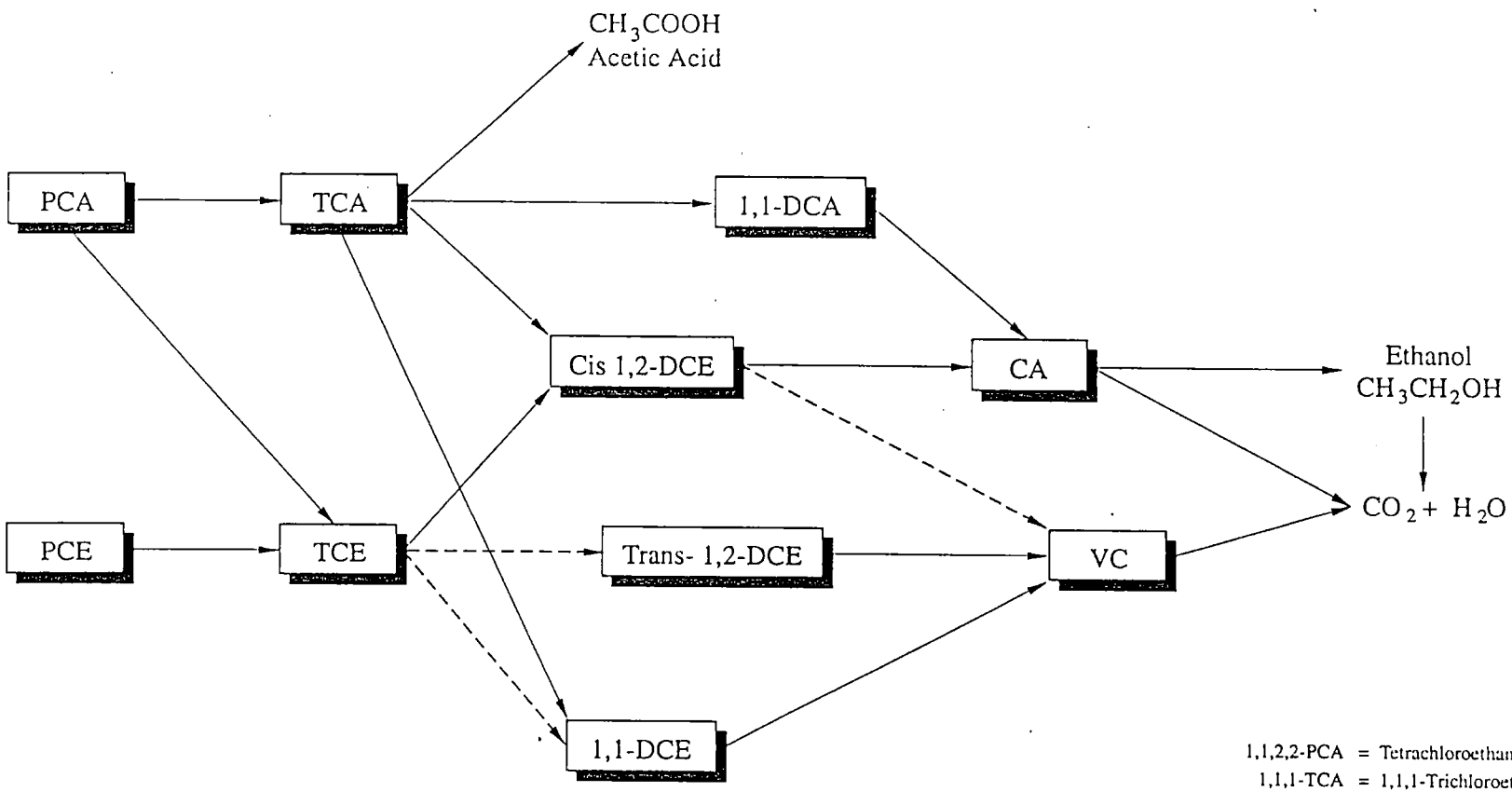
Figure 2-3
POTENTIAL SOURCE AREA LOCATION MAP

COEUR D'ALENE GROUNDWATER CONTAMINATION SITE
Coeur d'Alene, Idaho

DRAWN BY:	DATE:	JOB NO:	DWG NO:
MRE	10-17-96	Z03084	Z03084FO


Montgomery Ward Auto Express
Montgomery Ward Department Store
Anton Avenue
Government Way
Deming Industries
West Anton Avenue
Best Bet Used Cars
Silver Lake Motors
Columbia Paint and Coating
Super Lube
CDA Laundry Center and Dry Cleaning
West Haycraft Avenue
ecology and environment, inc.
International Specialists in the Environment
Seattle, Washington
0 25' 50'
Approximate Scale in Feet
COEUR D' ALENE GROUNDWATER CONTAMINATION ESI
Coeur d' Alene, Idaho
Figure 2-4
DEMING INDUSTRIES/CDA LAUNDRY CENTER & DRY CLEANING/COLUMBIA PAINT & COATING/ MONTGOMERY WARD AUTO EXPRESS SITE LOCATION MAP
Drawn By: MRE
Date 10-7-96
Job No. ZO3084
Dwg. No. ZO3084FA



Major Mechanisms	
⟶	Biodegradation and/or Abiotic Elimination
- - - ⟶	Minor Pathway

1,1,2,2-PCA = Tetrachloroethane
1,1,1-TCA = 1,1,1-Trichloroethane
1,1-DCA = 1,1-Dichloroethane
Cis-1,2-DCE = Cis-1,2-Dichloroethene
CA = Chloroethane
1,1,2,2-PCE = Tetrachloroethene
TCE = Trichloroethene
Trans-1,2-DCE = Trans-1,1-Dichloroethene
VC = Vinyl Chloride
1,1-DCE = 1,1-Dichloroethene

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COEUR D'ALENE GROUNDWATER ESI
Coeur d'Alene, Idaho

Source: Davis and Olsen, 1990, Predicting the Fate of Organic Compounds, Part 2, Hazardous Materials Control, July/August 1990

Figure 2-5
CONCEPTUAL TRANSFORMATIONS OF CHLORINATED ALIPHATIC HYDROCARBONS

Drawn By:	Date	TDD/Job No.	Dwg. No.
MRE	10-31-96	ZO3084	ZO3084FQ

3. FIELD ACTIVITIES AND ANALYTICAL PROTOCOL

This section provides a description of field activities, including sampling, surveying, and analytical protocol employed during Phase IV field activities. Field activities for Phases I, II, and III are described in Section 3 of the 1995 ESI Report (E & E 1995). Analytical results of samples collected during Phase IV field activities are presented in Section 4.

Phase IV field activities were conducted during the weeks of May 12 and May 19, 1996. Field activities included:

- Collection of soil gas and subsurface soil samples at potential source areas of TCE detected in the area groundwater.
- Surveying sample locations with a Global Positioning System (GPS) unit to aid in data management and to update the current GIS map of the area.

Both fixed and field laboratories were utilized to perform analyses of soil gas and subsurface soil samples.

3.1 SAMPLING AND ANALYTICAL METHODOLOGIES

Six potential source areas were investigated during Phase IV field activities. Soil gas and subsurface soil samples were collected at potential source areas with a Geoprobe™ as described below.

3.1.1 Soil Gas Sampling at Potential Source Areas

Soil gas samples were collected by EPA's Environmental Services Assistance Team (ESAT) contractor personnel utilizing a Geoprobe™ in accordance with the FOWP amendment (E & E 1996) and ESAT Sampling and Analysis Plan (SAP) and Standard Operating Procedure (SOP) FASP-015. Specific sampling locations were determined in the field by

EPA or E & E personnel. All but three soil gas samples were collected from a depth of 12 feet BGS. Three soil gas samples were collected from 2 feet BGS for comparison with soil gas samples collected at adjacent locations from 12 feet BGS. Soil gas samples were collected for both field analysis and fixed laboratory analysis. Soil gas sampled for field laboratory analysis was collected with 1-liter Tedlar bags. Soil gas was also collected initially at some sample locations with Supelco VOCARB™ Carbowax 4000 volatile organics traps as a backup to the Tedlar bags. However, upon successful completion of collection and analysis of samples collected with Tedlar bags, it was decided to discontinue the use of Supelco VOCARB™ Carbowax 4000 volatile organics traps for the collection of soil gas samples.

Field soil gas samples were submitted for analysis by E & E personnel to the on-site field laboratory staffed by ESAT personnel under EPA's Field Analytical Services Program (FASP). Soil gas samples were analyzed at the FASP laboratory for TCE and PCE in accordance with the ESAT SAP and ESAT SOP FASP-037 and SOP FASP-038. Several of the samples were also analyzed for selected TCE and PCE degradation products, including 1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, and vinyl chloride.

Confirmation soil gas samples were collected by ESAT personnel using 6-liter Summa™ canisters. Locations for collection of confirmation soil gas samples were selected in the field on the basis of the preliminary field soil gas sample results available at the time. Confirmation soil gas sample locations were chosen at locations where collocated soil gas samples contained TCE at relatively elevated concentrations. Confirmation soil gas samples were collected at locations collocated with (located horizontally within approximately 2 to 3 feet of and at the same depth as) the field soil gas sample selected for confirmation analysis. All confirmation soil gas samples were collected from a depth of 12 feet BGS. In addition to confirmation samples, two regular soil gas samples were collected with Summa™ canisters because they was collected after the FASP field laboratory discontinued field analysis of soil gas samples. All soil gas samples collected with Summa™ canisters were shipped to the EPA Region 10 laboratory for analysis for selected chlorinated VOCs using a modified SW846 Method 8260A.

Following sample collection, all holes were abandoned by filling with bentonite chips.

3.1.2 Subsurface Soil Sampling at Potential Source Areas

Subsurface soil samples were collected by ESAT personnel with a Geoprobe™ equipped with Geoprobe™ Large Bore samplers in accordance with the FOWP amendment (E & E 1996), ESAT SAP, and ESAT SOP FASP-015. Specific locations for collection of subsurface samples were selected in the field on the basis of the preliminary field soil gas sample results available at the time. Subsurface soil sample locations were chosen at locations where collocated soil gas samples contained TCE at relatively elevated concentrations. Subsurface soil sample locations were generally located horizontally within approximately 2 to 3 feet of and at the same depth as the field soil gas sample targeted for collection of a collocated subsurface soil sample. All but two subsurface soil samples (one regular sample and its duplicate, collected from an interval of 8 to 10 feet BGS) were collected from an interval of 10 to 12 feet BGS. A total of 17 subsurface soil samples, including 2 field duplicates, were collected and submitted to the FASP field laboratory for analysis for selected VOCs. Four of these samples were analyzed by ESAT personnel at the FASP laboratory for selected chlorinated VOCs in accordance with the FOWP amendment, ESAT SAP, and ESAT SOP FASP-037. Due to time constraints, the remaining 13 samples were transported by ESAT personnel to the EPA Region 10 laboratory for analysis for selected chlorinated VOCs using a modified SW846 Method 8260A.

3.2 GLOBAL POSITIONING SYSTEM SURVEY

Horizontal coordinates of soil gas and subsurface soil samples were surveyed by E & E personnel using GPS units. E & E personnel utilized EPA-owned GPS units capable of logging horizontal coordinates with a minimum 5-meter Circular Probable Error (CPE) accuracy. E & E differentially corrected rover data utilizing base station data provided by Kootenai Electric Company in Hayden, Idaho. At several sample locations, it was not possible to log coordinates with GPS due to interference by overhead electrical power or telephone lines or building walls. As with all sample locations, these sample locations were tape measured from such features as building walls and street curbs in order to generate accurate sample location maps. GPS locations were downloaded into E & E's GIS system.

4. SOURCE SAMPLING

This section presents the data collected during Phase IV ESI field activities as well as the applicable results of Phase I, II, and III field activities and non-ESI activities. Results of Phase I, II, and III field activities are presented in detail in the 1995 ESI Report (E & E 1995).

4.1 DEMING INDUSTRIES

Phase I ESI Activities

During Phase I field activities 18 soil gas and seven subsurface soil samples were collected with the Geoprobe™. Sample depths ranged between 5 and 12 feet BGS at eight locations near the former drainfield of the drywell system, the area of the corroded sanitary sewer drainline, and the former drum storage area. Phase I sampling results indicated the presence of TCE contamination in soils throughout the former drainfield. PCE and various degradation products of TCE and PCE were also detected in subsurface soil and soil gas samples. The soil and soil gas samples with the highest concentrations of TCE, PCE, and their degradation products were collected in the areas of the primary and secondary drywells. During Phase I activities, no samples were collected from beneath the concrete pad of the former electroplating facility building or from the area immediately south of the present electroplating facility building.

Three soil gas samples were collected during Phase I field activities from the Cosgrove Avenue right-of-way, approximately one block north of Deming Industries. No TCE or its breakdown products were detected in soil gas samples collected from Cosgrove Avenue.

Phase II ESI Activities

During Phase II ESI field activities, based on results of Phase I field activities and historical information, a monitoring well was installed adjacent to the former drainfield at Deming Industries. Deep soil gas and subsurface soil gas samples collected from both the unsaturated zone and the saturated zone during drilling of MW-1 contained TCE, PCE, and several of their degradation products. Groundwater samples were collected during drilling of MW-1 from immediately below the water table, encountered at 195 feet BGS, to depths of 405 feet BGS. TCE was detected in samples collected from 195 feet BGS at concentrations as high as 1,510 μg/L. PCE and degradation products of TCE and PCE were also detected in these samples. TCE was detected at relatively low concentrations in groundwater samples and soil samples collected from depths below the water table. These soil gas, soil, and groundwater sample results appear to trace the migration of TCE and PCE from the surface to the water table at Deming Industries. Monitoring well MW-1 was installed with a screen set at an interval straddling the water table.

Phase III ESI Activities

A groundwater sample collected from MW-1 during Phase III field activities contained TCE and PCE at concentrations of 648 μg/L and 4.7 μg/L (estimated), respectively.

Phase IV ESI Activities

During Phase IV field activities, a total of 21 soil gas samples, including three confirmation soil gas samples, and seven subsurface soil samples, including one field duplicate, were collected on the Deming Industries property. In addition, four soil gas samples, including one soil gas confirmation sample, and one subsurface sample were collected from the right-of-way on West Anton Avenue to the south of the Deming Industries property. The locations of the Deming Industries property and West Anton Avenue are shown in Figures 2-3 and 2-4, and sample locations are illustrated in Figure 4-1.

The soil gas sampling effort at Deming Industries focused on sampling beneath and immediately south of the concrete pad of the old electroplating building. In addition, soil gas samples were collected at locations near the septic tank and the primary and secondary drywells of the drainfield. All but three field soil gas samples were collected from a depth of

12 feet BGS. At sample locations DE11, DE12, and DE16, located adjacent to soil gas sample locations DE07, DE08, and DE05, respectively, soil gas samples were collected from a depth of 2 feet BGS for the purpose of comparison with the soil gas samples collected from 12 feet BGS at locations DE07, DE08, and DE05.

TCE was detected in all 16 field soil gas samples collected at Deming Industries, with the highest concentrations (up to 40.6 μg/L in the sample collected at location DE07) generally contained in samples from beneath the northern side of the concrete pad of the old electroplating building. TCE was detected in field soil gas samples collected from near the septic tank (DE06) and the secondary drywell (DE14) at concentrations of 15.6 μg/L and 12.9 μg/L, respectively. TCE concentrations in shallow (2 feet BGS) soil gas samples collected at locations DE11, DE12, and DE16 were slightly lower (by approximately 20 to 35%) than the deeper (12 feet BGS) samples collected at the respective adjacent locations DE07, DE08, and DE05. PCE was detected in 13 of the 16 field soil gas samples collected at Deming Industries at concentrations ranging up to 8.41 μg/L (estimated). PCE was detected at the highest concentrations in samples near the northwestern corner of the concrete pad of the old electroplating building and near the septic tank and primary drywell. It is to be noted that TCE and PCE concentrations in samples collected at DE01, DE02, DE03, DE04, and DE05 are estimated and likely biased low because the samples were not analyzed by the FASP field laboratory within the 4-hour sample holding times. Field soil gas sample results for samples collected at Deming Industries are presented in Table 4-1 and Figure 4-2.

Two soil gas samples were collected with 6-liter Summa™ canisters at locations DE19 and DE23, near the primary drywell. A soil gas sample was collected at location DE19 for analysis at the EPA Region 10 laboratory using a Summa™ canister rather than a Tedlar bag because it was collected after the ESAT field laboratory discontinued field analysis of soil gas samples. Due to a leak detected in the sampling manifold utilized to collect the soil gas sample collected at DE19, a second soil gas sample was collected near the primary drywell at location DE23, adjacent to DE19. TCE and PCE were detected in the sample collected at DE23 at concentrations of 25.4 μg/L and 20.2 μg/L, respectively, approximately twice the corresponding values detected in the sample collected at DE19. Cis-1,2-DCE was detected at an estimated concentration of 0.029 μg/L in the sample collected at DE23. Analytical results for samples collected at DE19 and DE23 are presented in Table 4-2 and Figure 4-2.

A total of three confirmation soil gas samples were collected with 6-liter Summa™ canisters at Deming Industries. Confirmation soil gas samples were collected from a depth of 12 feet BGS at locations DE18, DE22, and DE21 to confirm results of collocated field soil gas samples collected at locations DE04, DE05, and DE07, respectively. TCE was detected in confirmation soil gas samples at concentrations of 15.2 μg/L (estimated concentration, location DE18), 31.1 μg/L (location DE22), and 58.5 μg/L (location DE21). PCE was detected at concentrations of 22.6 μg/L (estimated concentration, location DE18), 1.5 μg/L (location DE22), and 1.9 μg/L (location DE21). Analytical results for confirmation soil gas samples collected at Deming Industries are presented in Table 4-2 and Figure 4-2.

A total of seven subsurface soil samples, including one field duplicate, were collected at Deming Industries. Samples were collected from locations beneath the concrete pad of the old electroplating building (DE12 and DE16), adjacent to the septic tank (DE17), adjacent to the secondary drywell (DE20 and DE25), and between the secondary drywell and the northwest corner of the concrete pad of the old electroplating building (DE15). All samples were collected from an interval of 10 to 12 feet BGS except the duplicate sample set collected from location DE25, which was collected from an interval of 8 to 10 feet BGS. Locations DE20 and DE25 are situated approximately 4 to 5 feet east of a pit excavated and used by Deming Industries to dispose of water generated during the drilling and development of an extraction system well installed in May 1996. Three of the subsurface soil samples, including one field duplicate, contained TCE. The collocated samples collected at locations DE20 and DE25 contained TCE at estimated concentrations of 0.48 μg/kg and 0.17 μg/kg, respectively. The TCE concentration in the sample collected at DE20 is probably biased low because the sample was analyzed beyond the holding time. The field duplicate of the regular sample collected at location DE25 contained TCE and PCE at concentrations of 3.0 μg/kg and 1.7 μg/kg, respectively. Hexachlorobutadiene was also detected in the sample collected at DE20 at a concentration of 22.7 μg/kg (estimated). No TCE, PCE, or other target VOCs were detected in the other soil samples collected. Analytical results for subsurface soil samples collected at Deming Industries are presented in Table 4-3 and Figure 4-3.

Three field soil gas samples, one confirmation soil gas sample, and one subsurface soil sample were collected in the right-of-way on the south side of West Anton Avenue to the

south of the Deming Industries property. Sample locations are illustrated in Figure 4-1. All samples were collected from a depth of 12 feet BGS.

TCE was detected field soil gas samples collected at West Anton Avenue right-of-way locations AN01, AN02, and AN03 at concentrations ranging from 4.23 μg/L (AN03) to 15.9 μg/L (AN01). PCE was detected in the samples from AN01 and AN03 at 2.62 μg/L and 1.11 μg/L, respectively. TCE and PCE were detected at concentrations of 15.1 μg/L and 2.6 μg/L, respectively, in the confirmation soil gas sample collected from location AN05. The confirmation soil gas sample also contained low concentrations of cis-1,2-DCE (0.0061 μg/L, estimated) and toluene (0.015 μg/L, estimated). A subsurface soil sample collected from location AN04, collocated with location AN01, did not contain TCE or PCE above the detection limits. Analytical results for field soil gas samples, confirmation soil gas samples, and subsurface soil samples are presented in Tables 4-4 through 4-6 and Figure 4-2.

4.2 COEUR D'ALENE LAUNDRY CENTER & DRY CLEANING/COLUMBIA PAINT & COATING AREA

Phase II and Phase III ESI Activities

During Phase II field activities, following installation of monitoring well MW-1 at Deming Industries, a second monitoring well, MW-2, was installed at a location approximately 265 feet south and hydraulically upgradient of MW-1. The well was installed in the parking lot of Coeur d'Alene Laundry Center & Dry Cleaning, between the facilities of Coeur d'Alene Laundry Center & Dry Cleaning and Columbia Paint & Coating. Soil samples collected during drilling through the unsaturated zone contained TCE and PCE, as well as 1,1-DCE, trans-1,2-DCE, 1,1,1-trichloroethane (1,1,1-TCA), and PCA. TCE was detected in soil and groundwater samples collected from near the water table (encountered at approximately the same depth as in MW-1) at concentrations of 9.4 μg/L and 79.6 μg/L, respectively. Monitoring well MW-2 was installed in a manner identical to that of MW-1, with a screened interval straddling the water table. A groundwater sample collected from MW-2 during Phase III field activities contained TCE at a concentration of 153 μg/L as well as low concentrations of PCE, 1,1-DCE, and 1,1,1-TCA.

On the basis of the results of Phase II and III activities, the area including Coeur d'Alene Laundry Center & Dry Cleaning, Columbia Paint & Coating, and the West Haycraft right-of-

way was selected for additional investigation during Phase IV ESI activities. Results are presented below.

4.2.1 Coeur d'Alene Laundry Center & Dry Cleaning

During Phase IV field activities, 13 soil gas samples, including two confirmation samples, and four subsurface soil samples, including one field duplicate, were collected on the property of Coeur d'Alene Laundry Center & Dry Cleaning. Sample locations are shown in Figure 4-4. Selection of sample locations focused on the area of the storage shed and drum storage shed. Samples were also collected throughout the property to provide broad areal coverage. All soil gas and subsurface soil samples were collected from a depth of 12 feet BGS.

TCE was detected in all 11 field soil gas samples collected at Coeur d'Alene Laundry Center & Dry Cleaning at concentrations ranging from 0.384 μg/L to 5.76 μg/L. The sample with the highest concentration of TCE was collected from location CL01 near the drum storage shed and storage shed located north of the dry cleaning and laundry facility building. PCE was detected in eight of the 11 field soil gas samples. PCE was detected at concentrations at or below 0.65 μg/L in all except the sample collected at location CL02 (6.75 μg/L), located north of the storage shed. 1,1,1-TCA was detected in samples collected from locations CL02 and CL07 at concentrations of 0.35 μg/L and 0.04 μg/L, respectively. Field soil gas sample results are presented in Table 4-7 and Figure 4-5.

Confirmation soil gas samples were collected at Coeur d'Alene Laundry Center & Dry Cleaning from a depth of 12 feet BGS at locations CL15 and CL16 to confirm results of collocated field soil gas samples collected at locations CL02 and CL01, respectively. TCE was detected at concentrations of 1.5 μg/L and 6.3 μg/L in samples collected at CL15 and CL16, respectively. PCE was detected in confirmation soil gas samples at 13.5 μg/L (location CL15) and 0.65 μg/L (location CL16). Other VOCs detected include 1,1,1-TCA and toluene, both detected at low concentrations in each of the confirmation soil gas samples. Analytical results for confirmation soil gas samples collected at Coeur d'Alene Laundry Center & Dry Cleaning are presented in Table 4-8 and Figure 4-5.

Subsurface soil samples were collected at locations CL12, CL13, and CL14, collocated with soil gas sample locations CL01, CL02, and CL10, respectively. No TCE, PCE, or

other target VOCs were present above the detection limits in the subsurface soil samples. Analytical results for subsurface soil samples collected at Coeur d'Alene Laundry Center & Dry Cleaning are presented in Table 4-9.

4.2.2 Columbia Paint & Coating

Six soil gas samples, including one confirmation sample, and one subsurface soil sample were collected on Columbia Paint & Coating property. Sample locations are illustrated in Figure 4-4. All samples were collected from a depth of 12 feet BGS.

All five field soil gas samples collected at Columbia Paint & Coating contained TCE. Concentrations ranged from 0.98 μg/L to 6.26 μg/L. The sample with the highest concentration of TCE was collected from location CP03, located near the southeastern corner of the property. PCE was detected at a concentration of 0.13 μg/L in samples collected from locations CP04 and CP05. Analytical results for field soil gas samples collected at Columbia Paint & Coating are presented in Table 4-10 and Figure 4-5.

A confirmation soil gas sample collected at Columbia Paint & Coating location CP07, collocated with location CP03, contained TCE at a concentration of 12.2 μg/L and PCE at a concentration of 0.081 μg/L. Other VOCs detected are 1,1,1-TCA (0.011 μg/L, estimated), chloroform (0.018 μg/L, estimated), and toluene (0.010 μg/L, estimated). Analytical results for confirmation soil gas samples collected at Columbia Paint & Coating are presented in Table 4-11 and Figure 4-5.

A subsurface soil sample was collected at Columbia Paint & Coating at location CP06, collocated with soil gas sample location CP05. No TCE, PCE, or other target VOCs were present above the detection limits in this sample. Analytical results are presented in Table 4-12.

4.2.3 West Haycraft Avenue Right-of-Way

Two field soil gas samples were collected in the right-of-way on the south side of West Haycraft Avenue, at locations south of Coeur d'Alene Laundry Center & Dry Cleaning (HA01) and Columbia Paint & Coating (HA02). Sample locations are illustrated in Figure 4-4. Both samples were collected from a depth of 12 feet BGS. TCE was detected in

samples collected at locations HA01 and HA02 at estimated concentrations of 1.21 μg/L and 1.06 μg/L, respectively. Analytical results are presented in Table 4-13 and Figure 4-5.

4.3 MONTGOMERY WARD AUTO EXPRESS AREA

Six field soil gas samples and two subsurface soil sample were collected in the vicinity of the Montgomery Ward Auto Express facility. Soil gas samples were collected near the former waste oil tank location, along the western side of the facility in front of the service bays, and at locations to the north and west of the facility to provide broad areal coverage. In addition, two field soil gas samples were collected on the right-of-way of Government Way at locations west of the Montgomery West Auto Express facility in order to provide sample coverage between Montgomery Ward Auto Express and the Coeur d'Alene Laundry Center & Dry Cleaning/Columbia Paint & Coating area. Sample locations are illustrated in Figure 4-6. All samples were collected from a depth of 12 feet BGS.

4.3.1 Montgomery Ward Auto Express

TCE was detected in four of the six field soil gas samples collected on the Montgomery Ward property at concentrations as high as 4.54 μg/L. The samples with the highest TCE concentrations were collected from locations MO03 (4.54 μg/L) and MO01 (4.22 μg/L), located near the former waste oil tank and the northwestern corner of the building respectively. PCE was not detected in any of the soil gas samples. 1,1,1-TCA was detected at low concentrations (between 0.18 μg/L and 0.26 μg/L, estimated) in soil gas samples collected from locations MO01, MO02, and MO03. No target VOCs were detected in samples collected from locations MO05 and MO08, the two southernmost sample locations at the Montgomery Ward property. Analytical results for field soil gas samples collected at Montgomery Ward Auto Express are presented in Table 4-14 and Figure 4-7.

No target VOCs were present at concentrations above the detection limits in subsurface soil samples collected at locations MO06 and MO07, collocated with soil gas sample locations MO03 and MO01, respectively. Analytical results for subsurface soil samples collected at Montgomery Ward Auto Express are presented in Table 4-15.

4.3.2 Government Way Right-of-Way

Soil gas samples collected at Government Way right-of-way locations GV01 and GV02 contained TCE at estimated concentrations of 5.15 μg/L and 1.15 μg/L, respectively. No other VOCs were detected in these samples. Analytical results are presented in Table 4-16 and Figure 4-7.

4.4 FORMER IDAHO DEPARTMENT TRANSPORTATION MAINTENANCE FACILITY (ALBERTSONS)

Phase I ESI Activities

During Phase I ESI field activities, 16 soil gas and three subsurface soil samples were collected from seven locations at the former IDOT maintenance facility with the Geoprobe™. TCE was not detected in the field soil gas samples. A soil gas confirmation sample contained low concentrations of 1,1,1-TCA (0.10 μg/L) and PCE (0.013 μg/L, estimated). Two subsurface soil samples were collected from locations north of the Albertsons store. No VOCs were detected in these soil samples.

Phase IV ESI Activities

Five field soil gas samples and one subsurface soil sample were collected at the former IDOT maintenance facility during Phase IV field activities. Soil gas sample locations were selected to provide coverage of the area believed by IDEQ to have the highest likelihood of TCE contamination. Sample locations are illustrated in Figure 4-8. All samples were collected from a depth of 12 feet BGS.

TCE was detected at low concentrations in three of the five field soil gas samples. Samples collected at locations AB02, AB03, and AB05 contained TCE at concentrations of 0.06 μg/L, 0.06 μg/L, and 0.28 μg/L (estimated), respectively. No other target VOCs were detected. Analytical results for field soil gas samples are presented in Table 4-17 and Figure 4-9.

A subsurface soil sample collected at location AB06, collocated with soil gas sample location AB02, did not contain any target VOCs above the detection limits. Analytical results are presented in Table 4-18.

4.5 INTERSTATE CONCRETE AND ASPHALT

Phase I ESI Activities

During Phase I field activities, six field soil gas samples were collected from three locations at the Interstate Concrete and Asphalt facility using the Geoprobe™. Samples were collected from two locations near the truck washing area and from one location near the northwestern corner of the gravel pit. Neither TCE nor its breakdown products were detected in the soil gas samples.

Phase IV ESI Activities

A total of six field soil gas samples were collected at Interstate Concrete and Asphalt during Phase IV field activities. Five samples were collected from five locations near the truck washing area, and one sample was collected from a location near the northwestern corner of the gravel pit. Sample locations are illustrated in Figure 4-10. All samples were collected from a depth of 12 feet BGS.

TCE was not detected in any of the soil gas samples. PCE was detected in the soil gas sample collected from location IN05 in the truck washing area at a concentration of 0.004 μg/L. Analytical results are presented in Table 4-19 and Figure 4-11.

4.6 HISTORIC CITY OF COEUR D'ALENE LANDFILL (CITY OF COEUR D'ALENE COMPOST FACILITY)

Fourteen field soil gas samples and one subsurface soil sample were collected at the City of Coeur d'Alene compost facility during Phase IV field activities. Soil gas sample locations were selected to provide wide areal coverage across the facility. Sample locations are shown in Figure 4-12. All samples were collected from a depth of 12 feet BGS.

TCE was detected in a soil gas sample collected at location HL14 at a low concentration (0.0087 μg/L). PCE was detected at concentrations ranging from 0.0025 μg/L to 0.1135 μg/L in six soil gas samples. Neither TCE nor PCE were present above the detection limits in the subsurface soil sample collected from location HL15. Analytical results for soil gas and soil samples are presented in Tables 4-20 and 4-21 and Figure 4-13.

Table 4-1

SOIL GAS SAMPLE ANALYTICAL RESULTS
FIELD ANALYTICAL SERVICES PROGRAM LABORATORY
DEMING INDUSTRIES
PHASE IV FIELD ACTIVITIES
COEUR D'ALENE GROUNDWATER CONTAMINATION ESI
COEUR D'ALENE, IDAHO
(µg/L)

Sample Number	Location	Depth	TCE		PCE	
96203101a	DE01	12 ft.	**4.23**	**JFa**	**1.20**	**JFa**
96203103a	DE02	12 ft.	**1.22**	**JFa**	0.50	UJFa
96203105a	DE03	12 ft.	**3.14**	**JFa**	**0.30**	**JFa**
96203107a	DE04	12 ft.	**11.4**	**JFa**	**8.41**	**JFa**
96203110a	DE05	12 ft.	**29.1**	**JFa**	**1.75**	**JFa**
96203129	DE06	12 ft.	**15.6**	**F**	**8.21**	**F**
96203135	DE07	12 ft.	**40.6**	**F**	**1.36**	**F**
96203136	DE08	12 ft.	**33.4**	**F**	1.00	UF
96203137	DE09	12 ft.	**2.31**	**F**	**2.01**	**F**
96203168	DE10	12 ft.	**8.62**	**F**	1.00	UF
96203169	DE11	2 ft.	**26.4**	**F**	**1.20**	**F**
96213800	DE12	2 ft.	**27.2**	**F**	**1.08**	**F**
96213802	DE13	12 ft.	**18.4**	**F**	**1.16**	**F**
96213803	DE14	12 ft.	**12.9**	**F**	**5.99**	**F**
96213805	DE16	2 ft.	**22.0**	**F**	**1.37**	**F**
96213843	DE24	12 ft.	**17.1**	**JF**	**0.88**	**JF**

a: Sample was analyzed beyond holding time. Reported concentration is estimated and probably biased low.

F: Sample was analyzed at Field Analytical Services Program (FASP) field laboratory. Associated numerical value is an estimate due to use of less rigorous FASP analytical methods.

J: The compound was positively identified. The associated numerical value is an estimated concentration.

PCE: Tetrachloroethylene

TCE: Trichloroethylene

U: The compound was analyzed for but not detected. The associated numerical value is the instrument detection limit/method detection limit.

UJ: The compound was analyzed for but not detected. The associated numerical value is an estimate of the quantitation limit of the analyte in the sample.

µg/L: Micrograms of compound per liter of sample

All sample depths in feet below ground surface

Table 4-2

SOIL GAS SAMPLE ANALYTICAL RESULTS
EPA REGION 10 LABORATORY
DEMING INDUSTRIES
PHASE IV FIELD ACTIVITIES
COEUR D'ALENE GROUNDWATER CONTAMINATION ESI
COEUR D'ALENE, IDAHO
(µg/L)

Sample Number	Location	Collocated Sample	Depth	TCE		PCE		cis-1,2-DCE	
96213825	DE18	96203107 (DE04)	12 ft.	**15.2**	**J**	**22.6**	**J**	1.0	U
96213826a	DE19	96213841 (DE23)	12 ft.	**12.6**	**a**	**10.1**	**a**	1.1	Ua
96213835	DE21	96203135 (DE07)	12 ft.	**58.5**		**1.9**		1.0	U
96213836	DE22	96203110 (DE05)	12 ft.	**31.1**		**1.5**		1.0	U
96213841	DE23	96213826 (DE19)	12 ft.	**25.4**		**20.2**		**0.029**	**J**

a:	Equipment difficulties were experienced during collection of sample 96213826. Analytical results are probably biased low. A replacement sample (96213841) was collected at collocated location DE23.
cis-1,2-DCE	Cis-1,2-Dichloroethene
J:	The compound was positively identified. The associated numerical value is an estimated concentration.
PCE:	Tetrachloroethylene
TCE:	Trichloroethylene
U:	The compound was analyzed for but not detected. The associated numerical value is the instrument detection limit/method detection limit.
µg/L:	Micrograms of compound per liter of sample

All sample depths in feet below ground surface

Table 4-3

SUBSURFACE SOIL SAMPLE ANALYTICAL RESULTS
DEMING INDUSTRIES
PHASE IV FIELD ACTIVITIES
COEUR D'ALENE GROUNDWATER CONTAMINATION ESI
COEUR D'ALENE, IDAHO
(µg/kg)

Sample Number	Location	Collocated Sample	Depth	TCE	PCE	Hexachlorobutadiene
96213801	DE12	96203136 (DE08)	12 ft.	1.00 UF	1.00 UF	NA
96213804	DE15	96213803 (DE14)	12 ft.	1.00 UF	1.00 UF	NA
96213806	DE16	96203110 (DE05)	12 ft.	1.00 UF	1.00 UF	NA
96213807	DE17	96203129 (DE06)	12 ft.	1.00 UF	1.00 UF	NA
96213827ab	DE20	96213803 (DE25)	12 ft.	**0.48 Ja**	2.0 Ua	**22.7 Ja**
96213848b	DE25	96213827 (DE20)	10 ft.	**0.17 J**	0.94 U	NA
96213849b (duplicate)	DE25	96213827 (DE20)	10 ft.	**3.0**	**1.7**	NA

a: Sample was analyzed beyond holding time. Reported concentration is estimated and probably biased low.

b: Sample was analyzed at EPA Region 10 laboratory.

F: Sample was analyzed at Field Analytical Services Program (FASP) field laboratory. Associated numerical value is an estimate due to use of less rigorous FASP analytical methods.

J: The compound was positively identified. The associated numerical value is an estimated concentration.

NA: The compound was not analyzed for.

PCE: Tetrachloroethylene

TCE: Trichloroethylene

U: The compound was analyzed for but not detected. The associated numerical value is the instrument detection limit/method detection limit.

µg/kg: Micrograms of compound per kilogram of sample

All sample depths in feet below ground surface

Table 4-4

SOIL GAS SAMPLE ANALYTICAL RESULTS
FIELD ANALYTICAL SERVICES PROGRAM LABORATORY
WEST ANTON AVENUE RIGHT OF WAY
PHASE IV FIELD ACTIVITIES
COEUR D'ALENE GROUNDWATER CONTAMINATION ESI
COEUR D'ALENE, IDAHO
(µg/L)

Sample Number	Location	Depth	TCE		PCE	
96203159	AN01	12 ft.	**15.9**	**F**	**2.62**	**F**
96203160	AN02	12 ft.	**4.44**	**F**	1.00	UF
96203166	AN03	12 ft.	**4.23**	**F**	**1.11**	**F**

F:	Sample was analyzed at Field Analytical Services Program (FASP) field laboratory. Associated numerical value is an estimate due to use of less rigorous FASP analytical methods.
PCE:	Tetrachloroethylene
TCE:	Trichloroethylene
U:	The compound was analyzed for but not detected. The associated numerical value is the instrument detection limit/method detection limit.
µg/L:	Micrograms of compound per liter of sample

All sample depths in feet below ground surface

Table 4-5

SOIL GAS SAMPLE ANALYTICAL RESULTS
EPA REGION 10 LABORATORY
WEST ANTON AVENUE RIGHT OF WAY
PHASE IV FIELD ACTIVITIES
COEUR D'ALENE GROUNDWATER CONTAMINATION ESI
COEUR D'ALENE, IDAHO
(µg/L)

Sample Number	Location	Collocated Sample	Depth	TCE	PCE	cis-1,2-DCE	Toluene
96213842	AN05	96203159 (AN01)	12 ft.	15.1	2.6	0.0061 J	0.015 J

cis-1,2-DCE	Cis-1,2-Dichloroethene
J:	The compound was positively identified. The associated numerical value is an estimated concentration.
PCE:	Tetrachloroethylene
TCE:	Trichloroethylene
µg/L:	Micrograms of compound per liter of sample

All sample depths in feet below ground surface

Table 4-6

SUBSURFACE SOIL SAMPLE ANALYTICAL RESULTS
WEST ANTON AVENUE RIGHT OF WAY
PHASE IV FIELD ACTIVITIES
COEUR D'ALENE GROUNDWATER CONTAMINATION ESI
COEUR D'ALENE, IDAHO
(µg/kg)

Sample Number	Location	Collocated Sample	Depth	TCE	PCE
96213820a	AN04	96203159 (AN01)	12 ft.	0.96 U	0.96 U

a: Sample was analyzed at EPA Region 10 laboratory.

PCE: Tetrachloroethylene

TCE: Trichloroethylene

U: The compound was analyzed for but not detected. The associated numerical value is the instrument detection limit/method detection limit.

µg/kg: Micrograms of compound per kilogram of sample

All sample depths in feet below ground surface

Table 4-7

SOIL GAS SAMPLE ANALYTICAL RESULTS
FIELD ANALYTICAL SERVICES PROGRAM LABORATORY
COEUR D'ALENE LAUNDRY CENTER & DRY CLEANING
PHASE IV FIELD ACTIVITIES
COEUR D'ALENE GROUNDWATER CONTAMINATION ESI
COEUR D'ALENE, IDAHO
(µg/L)

Sample Number	Location	Depth	TCE		PCE		1,1,1-TCA	
96203115	CL01	12 ft.	**5.76**	**F**	**0.46**	**F**	0.10	UF
96203117	CL02	12 ft.	**1.23**	**F**	**6.75**	**F**	**0.35**	**F**
96203119	CL03	12 ft.	**1.71**	**F**	**0.30**	**F**	0.20	UF
96203122	CL04	12 ft.	**3.32**	**F**	1.00	UF	1.00	UF
96203124	CL05	12 ft.	**2.84**	**F**	0.50	UF	0.50	UF
96203126	CL06	12 ft.	**2.16**	**F**	**0.30**	**F**	0.20	UF
96203127	CL07	12 ft.	**2.42**	**JF**	**0.05**	**F**	**0.04**	**F**
96203130	CL08	12 ft.	**0.384**	**F**	**0.163**	**F**	NA	
96203131	CL09	12 ft.	**1.83**	**F**	**0.65**	**F**	0.50	UF
96203132	CL10	12 ft.	**4.22**	**F**	0.10	UF	0.10	UF
96203133	CL11	12 ft.	**1.54**	**F**	**0.16**	**F**	0.10	UF

1,1,1-TCA	1,1,1-Trichloroethane
F:	Sample was analyzed at Field Analytical Services Program (FASP) field laboratory. Associated numerical value is an estimate due to use of less rigorous FASP analytical methods.
J:	The compound was positively identified. The associated numerical value is an estimated concentration.
NA:	The compound was not analyzed for.
PCE:	Tetrachloroethylene
TCE:	Trichloroethylene
U:	The compound was analyzed for but not detected. The associated numerical value is the instrument detection limit/method detection limit.
µg/L:	Micrograms of compound per liter of sample

All sample depths in feet below ground surface

Table 4-8

SOIL GAS SAMPLE ANALYTICAL RESULTS
EPA REGION 10 LABORATORY
COEUR D'ALENE LAUNDRY CENTER & DRY CLEANING
PHASE IV FIELD ACTIVITIES
COEUR D'ALENE GROUNDWATER CONTAMINATION ESI
COEUR D'ALENE, IDAHO
(µg/L)

Sample Number	Location	Collocated Sample	Depth	TCE	PCE	1,1,1-TCA	Toluene
96213837	CL15	96203117 (CL02)	12 ft.	1.5	13.5	0.087	0.011 J
96213839	CL16	96203115 (CL01)	12 ft.	6.3	0.65	0.0034 J	0.0078 J

1,1,1-TCA	1,1,1-Trichloroethane
J:	The compound was positively identified. The associated numerical value is an estimated concentration.
PCE:	Tetrachloroethylene
TCE:	Trichloroethylene
µg/L:	Micrograms of compound per liter of sample

All sample depths in feet below ground surface

Table 4-9

SUBSURFACE SOIL SAMPLE ANALYTICAL RESULTS
COEUR D'ALENE LAUNDRY CENTER & DRY CLEANING
PHASE IV FIELD ACTIVITIES
COEUR D'ALENE GROUNDWATER CONTAMINATION ESI
COEUR D'ALENE, IDAHO
(µg/kg)

Sample Number	Location	Collocated Sample	Depth	TCE	PCE
96213813a	CL12	96203115 (CL01)	12 ft.	1.00 U	1.00 U
96213814a (duplicate)	CL12	96203115 (CL01)	12 ft.	0.96 U	0.96 U
96213815a	CL13	96203117 (CL02)	12 ft.	0.99 U	0.99 U
96213816a	CL14	96203132 (CL10)	12 ft.	1.0 U	1.0 U

a: Sample was analyzed at EPA Region 10 laboratory.

PCE: Tetrachloroethylene

TCE: Trichloroethylene

U: The compound was analyzed for but not detected. The associated numerical value is the instrument detection limit/method detection limit.

µg/kg: Micrograms of compound per kilogram of sample

All sample depths in feet below ground surface

Table 4-10

SOIL GAS SAMPLE ANALYTICAL RESULTS
FIELD ANALYTICAL SERVICES PROGRAM LABORATORY
COLUMBIA PAINT & COATING
PHASE IV FIELD ACTIVITIES
COEUR D'ALENE GROUNDWATER CONTAMINATION ESI
COEUR D'ALENE, IDAHO
(µg/L)

Sample Number	Location	Depth	TCE		PCE	
96203161	CP01	12 ft.	**1.47**	**F**	1.00	UF
96203162	CP02	12 ft.	**0.98**	**F**	0.25	UF
96203163	CP03	12 ft.	**6.26**	**F**	0.10	UF
96023164	CP04	12 ft.	**1.95**	**F**	**0.13**	**F**
96203165	CP05	12 ft.	**2.66**	**F**	**0.13**	**F**

F: Sample was analyzed at Field Analytical Services Program (FASP) field laboratory. Associated numerical value is an estimate due to use of less rigorous FASP analytical methods.

PCE: Tetrachloroethylene

TCE: Trichloroethylene

U: The compound was analyzed for but not detected. The associated numerical value is the instrument detection limit/method detection limit.

µg/L: Micrograms of compound per liter of sample

All sample depths in feet below ground surface

Table 4-11

SOIL GAS SAMPLE ANALYTICAL RESULTS
EPA REGION 10 LABORATORY
COLUMBIA PAINT & COATING
PHASE IV FIELD ACTIVITIES
COEUR D'ALENE GROUNDWATER CONTAMINATION ESI
COEUR D'ALENE, IDAHO
(µg/L)

Sample Number	Location	Collocated Sample	Depth	TCE	PCE	1,1,1-TCA	Toluene	Chloroform
96213844	CP07	96203163 (CP03)	12 ft.	12.2	0.081	0.011 J	0.010 J	0.018 J

1,1,1-TCA	1,1,1-Trichloroethane
J:	The compound was positively identified. The associated numerical value is an estimated concentration.
PCE:	Tetrachloroethylene
TCE:	Trichloroethylene
µg/L:	Micrograms of compound per liter of sample

All sample depths in feet below ground surface

Table 4-12

SUBSURFACE SOIL SAMPLE ANALYTICAL RESULTS
COLUMBIA PAINT & COATING
PHASE IV FIELD ACTIVITIES
COEUR D'ALENE GROUNDWATER CONTAMINATION ESI
COEUR D'ALENE, IDAHO
(µg/kg)

Sample Number	Location	Collocated Sample	Depth	TCE	PCE
96213817a	CP06	96203165 (CP05)	12 ft.	0.98 U	0.98 U

a:	Sample was analyzed at EPA Region 10 laboratory.
PCE:	Tetrachloroethylene
TCE:	Trichloroethylene
U:	The compound was analyzed for but not detected. The associated numerical value is the instrument detection limit/method detection limit.
µg/kg:	Micrograms of compound per kilogram of sample

All sample depths in feet below ground surface

Table 4-13

SOIL GAS SAMPLE ANALYTICAL RESULTS
FIELD ANALYTICAL SERVICES PROGRAM LABORATORY
WEST HAYCRAFT AVENUE RIGHT OF WAY
PHASE IV FIELD ACTIVITIES
COEUR D'ALENE GROUNDWATER CONTAMINATION ESI
COEUR D'ALENE, IDAHO
(µg/L)

Sample Number	Location	Depth	TCE		PCE	
96213822	HA01	12 ft.	**1.21**	**JF**	0.30	UF
96213823	HA02	12 ft.	**1.06**	**JF**	0.30	UF

F:	Sample was analyzed at Field Analytical Services Program (FASP) field laboratory. Associated numerical value is an estimate due to use of less rigorous FASP analytical methods.
J:	The compound was positively identified. The associated numerical value is an estimated concentration.
PCE:	Tetrachloroethylene
TCE:	Trichloroethylene
U:	The compound was analyzed for but not detected. The associated numerical value is the instrument detection limit/method detection limit.
µg/L:	Micrograms of compound per liter of sample

All sample depths in feet below ground surface

Table 4-14

SOIL GAS SAMPLE ANALYTICAL RESULTS
FIELD ANALYTICAL SERVICES PROGRAM LABORATORY
MONTGOMERY WARD AUTO EXPRESS
PHASE IV FIELD ACTIVITIES
COEUR D'ALENE GROUNDWATER CONTAMINATION ESI
COEUR D'ALENE, IDAHO
(µg/L)

Sample Number	Location	Depth	TCE		PCE		1,1,1-TCA	
96203138	MO01	12 ft.	**4.22**	**F**	0.10	UF	**0.26**	**JF**
96203139	MO02	12 ft.	**1.54**	**F**	0.10	UF	**0.18**	**JF**
96203140	MO03	12 ft.	**4.54**	**F**	0.10	UF	**0.18**	**JF**
96203141	MO04	12 ft.	**0.0423**	**JF**	0.02	UF	NA	
96203142	MO05	12 ft.	0.01	UF	0.01	UJF	0.10	UF
96213821	MO08	12 ft.	0.006	UF	0.006	UF	NA	

1,1,1-TCA	1,1,1-Trichloroethane
F:	Sample was analyzed at Field Analytical Services Program (FASP) field laboratory. Associated numerical value is an estimate due to use of less rigorous FASP analytical methods.
J:	The compound was positively identified. The associated numerical value is an estimated concentration.
NA:	The compound was not analyzed for.
PCE:	Tetrachloroethylene
TCE:	Trichloroethylene
U:	The compound was analyzed for but not detected. The associated numerical value is the instrument detection limit/method detection limit.
µg/L:	Micrograms of compound per liter of sample

All sample depths in feet below ground surface

Table 4-15

SUBSURFACE SOIL SAMPLE ANALYTICAL RESULTS
MONTGOMERY WARD AUTO EXPRESS
PHASE IV FIELD ACTIVITIES
COEUR D'ALENE GROUNDWATER CONTAMINATION ESI
COEUR D'ALENE, IDAHO
(µg/kg)

Sample Number	Location	Collocated Sample	Depth	TCE		PCE	
96213818a	MO06	96203140 (MO03)	12 ft.	0.98	U	0.98	U
96213819a	MO07	96203138 (MO01)	12 ft.	1.0	UJ	1.0	UJ

a:	Sample was analyzed at EPA Region 10 laboratory.
J:	The compound was positively identified. The associated numerical value is an estimated concentration.
PCE:	Tetrachloroethylene
TCE:	Trichloroethylene
U:	The compound was analyzed for but not detected. The associated numerical value is the instrument detection limit/method detection limit.
µg/kg:	Micrograms of compound per kilogram of sample

All sample depths in feet below ground surface

Table 4-16

SOIL GAS SAMPLE ANALYTICAL RESULTS
FIELD ANALYTICAL SERVICES PROGRAM LABORATORY
GOVERNMENT WAY RIGHT OF WAY
PHASE IV FIELD ACTIVITIES
COEUR D'ALENE GROUNDWATER CONTAMINATION ESI
COEUR D'ALENE, IDAHO
(µg/L)

Sample Number	Location	Depth	TCE		PCE	
96213845	GV01	12 ft.	**1.15**	**JF**	0.10	UJF
96213846	GV02	12 ft.	**5.15**	**JF**	0.10	UJF

F:	Sample was analyzed at Field Analytical Services Program (FASP) field laboratory. Associated numerical value is an estimate due to use of less rigorous FASP analytical methods.
J:	The compound was positively identified. The associated numerical value is an estimated concentration.
PCE:	Tetrachloroethylene
TCE:	Trichloroethylene
U:	The compound was analyzed for but not detected. The associated numerical value is the instrument detection limit/method detection limit.
µg/L:	Micrograms of compound per liter of sample

All sample depths in feet below ground surface

Table 4-17

SOIL GAS SAMPLE ANALYTICAL RESULTS
FIELD ANALYTICAL SERVICES PROGRAM LABORATORY
FORMER IDOT MAINTENANCE FACILITY (ALBERTSONS)
PHASE IV FIELD ACTIVITIES
COEUR D'ALENE GROUNDWATER CONTAMINATION ESI
COEUR D'ALENE, IDAHO
(µg/L)

Sample Number	Location	Depth	TCE		PCE	
96213828	AB01	12 ft.	0.06	UF	0.06	UF
96213829	AB02	12 ft.	**0.06**	**F**	0.03	UF
96213830	AB03	12 ft.	**0.06**	**F**	0.03	UF
96213831	AB04	12 ft.	0.03	UF	0.03	UF
96213832	AB05	12 ft.	**0.28**	**JF**	0.06	UF

F: Sample was analyzed at Field Analytical Services Program (FASP) field laboratory. Associated numerical value is an estimate due to use of less rigorous FASP analytical methods.

J: The compound was positively identified. The associated numerical value is an estimated concentration.

PCE: Tetrachloroethylene

TCE: Trichloroethylene

U: The compound was analyzed for but not detected. The associated numerical value is the instrument detection limit/method detection limit.

µg/L: Micrograms of compound per liter of sample

All sample depths in feet below ground surface

Table 4-18

SUBSURFACE SOIL SAMPLE ANALYTICAL RESULTS
FORMER IDOT MAINTENANCE FACILITY (ALBERTSONS)
PHASE IV FIELD ACTIVITIES
COEUR D'ALENE GROUNDWATER CONTAMINATION ESI
COEUR D'ALENE, IDAHO
(µg/kg)

Sample Number	Location	Collocated Sample	Depth	TCE		PCE	
96213834a	AB06	96213829 (AB02)	12 ft.	0.96	U	0.96	U

a: Sample was analyzed at EPA Region 10 laboratory.

PCE: Tetrachloroethylene

TCE: Trichloroethylene

U: The compound was analyzed for but not detected. The associated numerical value is the instrument detection limit/method detection limit.

µg/kg: Micrograms of compound per kilogram of sample

All sample depths in feet below ground surface

Table 4-19

SOIL GAS SAMPLE ANALYTICAL RESULTS
FIELD ANALYTICAL SERVICES PROGRAM LABORATORY
INTERSTATE CONCRETE & ASPHALT
PHASE IV FIELD ACTIVITIES
COEUR D'ALENE GROUNDWATER CONTAMINATION ESI
COEUR D'ALENE, IDAHO
(µg/L)

Sample Number	Location	Depth	TCE		PCE	
96203143	IN01	12 ft.	0.01	UJF	0.01	UF
96203144	IN02	12 ft.	0.10	UF	0.10	UF
96203145	IN03	12 ft.	0.01	UJF	0.01	UF
96203146	IN04	12 ft.	0.10	UF	0.10	UF
96213812	IN05	12 ft.	0.004	UF	**0.004**	**F**
96213824	IN06	12 ft.	0.006	UF	0.006	UF

F: Sample was analyzed at Field Analytical Services Program (FASP) field laboratory. Associated numerical value is an estimate due to use of less rigorous FASP analytical methods.

J: The compound was positively identified. The associated numerical value is an estimated concentration.

PCE: Tetrachloroethylene

TCE: Trichloroethylene

U: The compound was analyzed for but not detected. The associated numerical value is the instrument detection limit/method detection limit.

µg/L: Micrograms of compound per liter of sample

All sample depths in feet below ground surface

Table 4-20

SOIL GAS SAMPLE ANALYTICAL RESULTS
FIELD ANALYTICAL SERVICES PROGRAM LABORATORY
FORMER CITY OF CDA LANDFILL (COMPOST FACILITY)
PHASE IV FIELD ACTIVITIES
COEUR D'ALENE GROUNDWATER CONTAMINATION ESI
COEUR D'ALENE, IDAHO
(µg/L)

Sample Number	Location	Depth	TCE		PCE	
96203149	HL01	12 ft.	0.002	UJF	0.002	UF
96203150	HL02	12 ft.	0.002	UJF	0.002	UF
96203151	HL03	12 ft.	0.002	UJF	0.002	UF
96203152	HL04	12 ft.	0.002	UJF	0.002	UF
96203153	HL05	12 ft.	0.002	UJF	0.002	UF
96203154	HL06	12 ft.	0.10	UF	**0.11**	**F**
96203155	HL07	12 ft.	0.002	UJF	0.002	UF
96203156	HL08	12 ft.	0.002	UJF	0.002	UF
96203157	HL09	12 ft.	0.002	UJF	**0.006**	**F**
96203158	HL10	12 ft.	0.002	UJF	0.002	UF
96213808	HL11	12 ft.	0.004	UF	**0.003**	**F**
96213809	HL12	12 ft.	0.04	UF	**0.1135**	**F**
96213810	HL13	12 ft.	0.004	UF	**0.0025**	**F**
96213811	HL14	12 ft.	**0.0087**	**F**	**0.0026**	**F**

F: Sample was analyzed at Field Analytical Services Program (FASP) field laboratory. Associated numerical value is an estimate due to use of less rigorous FASP analytical methods.

J: The compound was positively identified. The associated numerical value is an estimated concentration.

PCE: Tetrachloroethylene

TCE: Trichloroethylene

U: The compound was analyzed for but not detected. The associated numerical value is the instrument detection limit/method detection limit.

µg/L: Micrograms of compound per liter of sample

All sample depths in feet below ground surface

Table 4-21

SUBSURFACE SOIL SAMPLE ANALYTICAL RESULTS
FORMER CITY OF CDA LANDFILL (COMPOST FACILITY)
PHASE IV FIELD ACTIVITIES
COEUR D'ALENE GROUNDWATER CONTAMINATION ESI
COEUR D'ALENE, IDAHO
(µg/kg)

Sample Number	Location	Collocated Sample	Depth	TCE	PCE
96213847a	HL15	96203155 (HL07)	12 ft.	0.97 U	0.97 U

a: Sample was analyzed at EPA Region 10 laboratory.

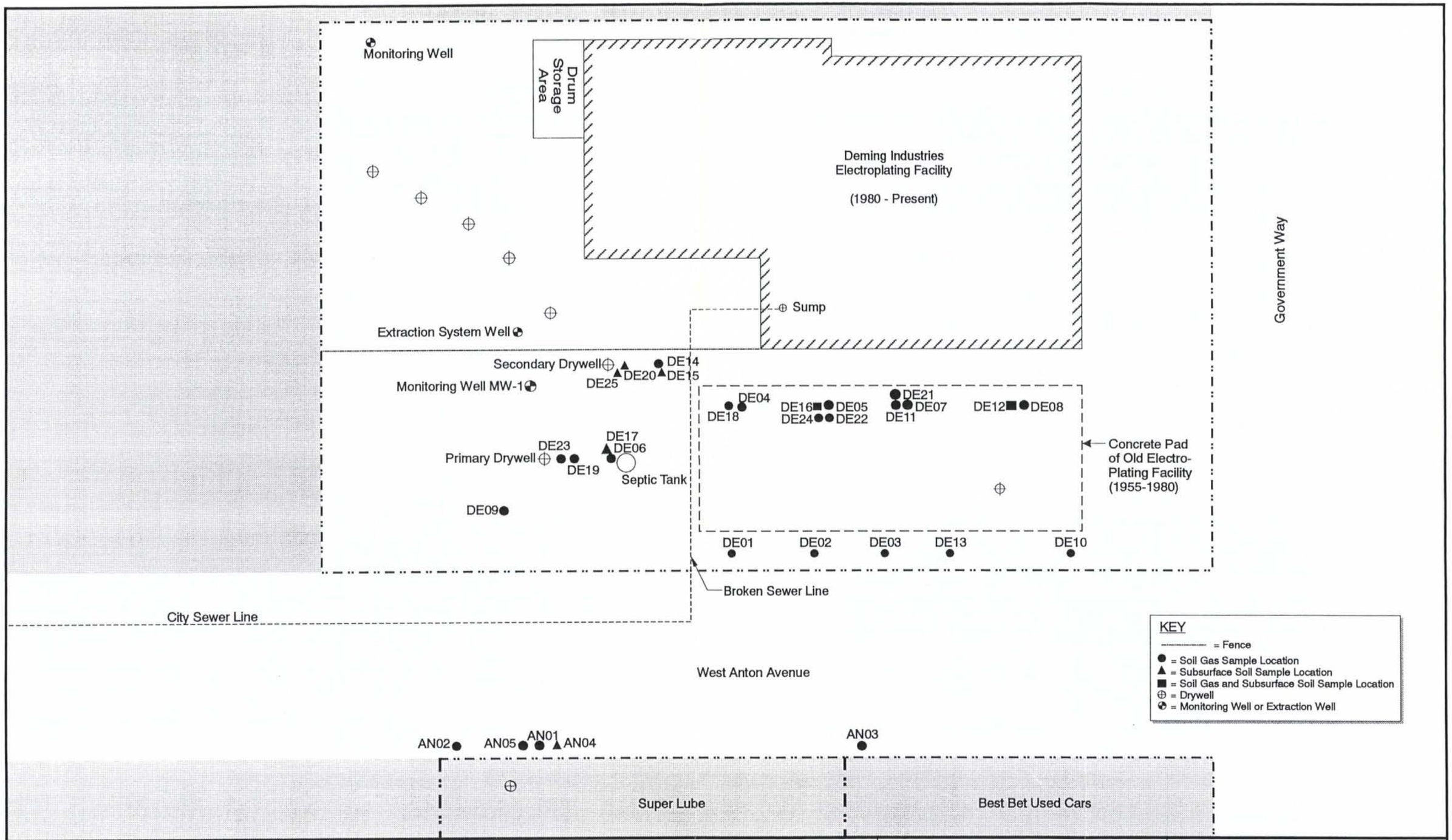
PCE: Tetrachloroethylene

TCE: Trichloroethylene

U: The compound was analyzed for but not detected. The associated numerical value is the instrument detection limit/method detection limit.

µg/kg: Micrograms of compound per kilogram of sample

All sample depths in feet below ground surface



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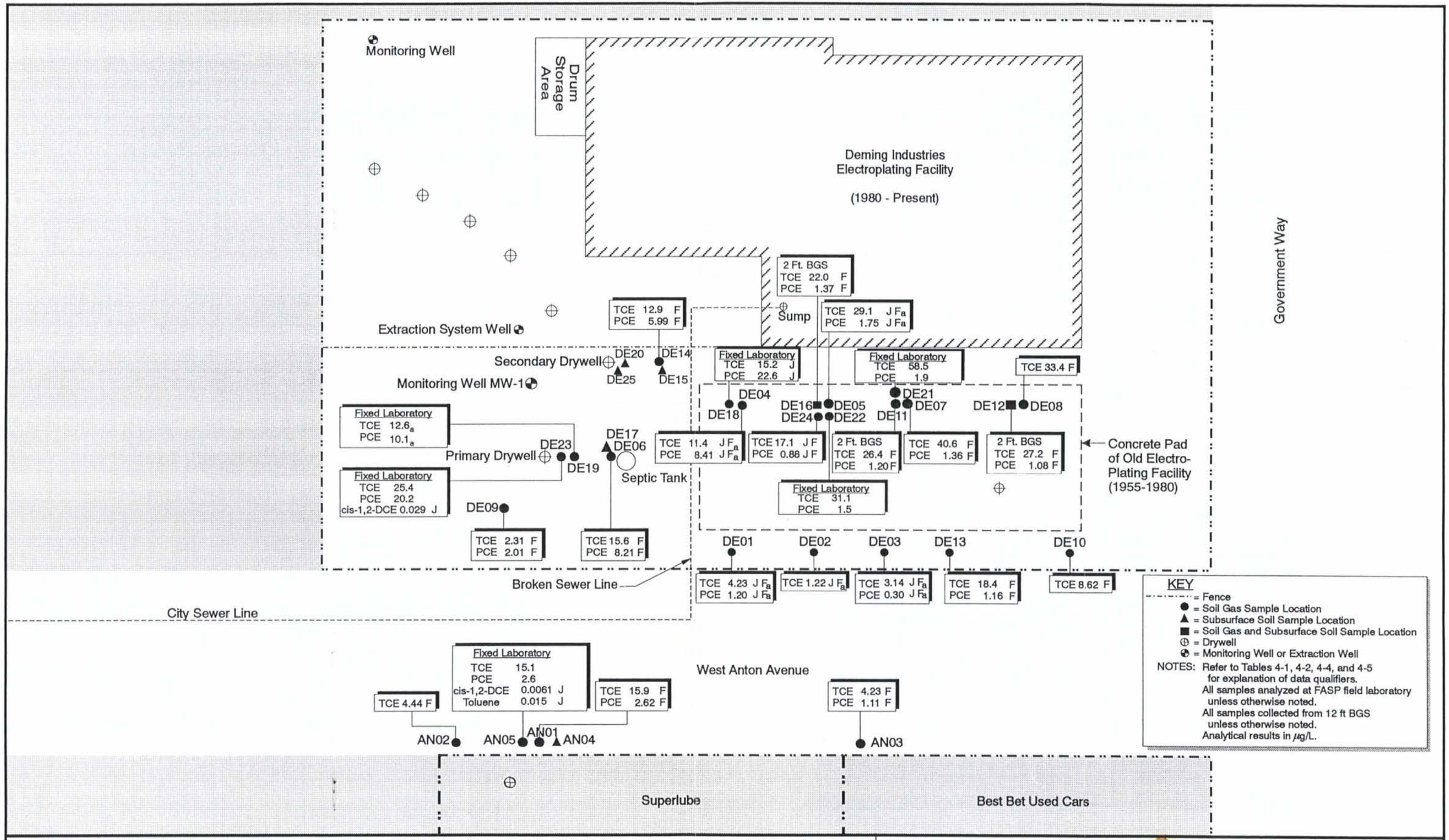
0 25' 50'
Approximate Scale in Feet

COEUR D' ALENE GROUNDWATER CONTAMINATION ESI
Coeur d' Alene, Idaho

Figure 4-1
DEMING INDUSTRIES/W. ANTON AVE. SAMPLE LOCATION MAP

Drawn By:	Date	Job No.	Dwg. No.
MRE	10-7-96	ZO3084	ZO3084FC



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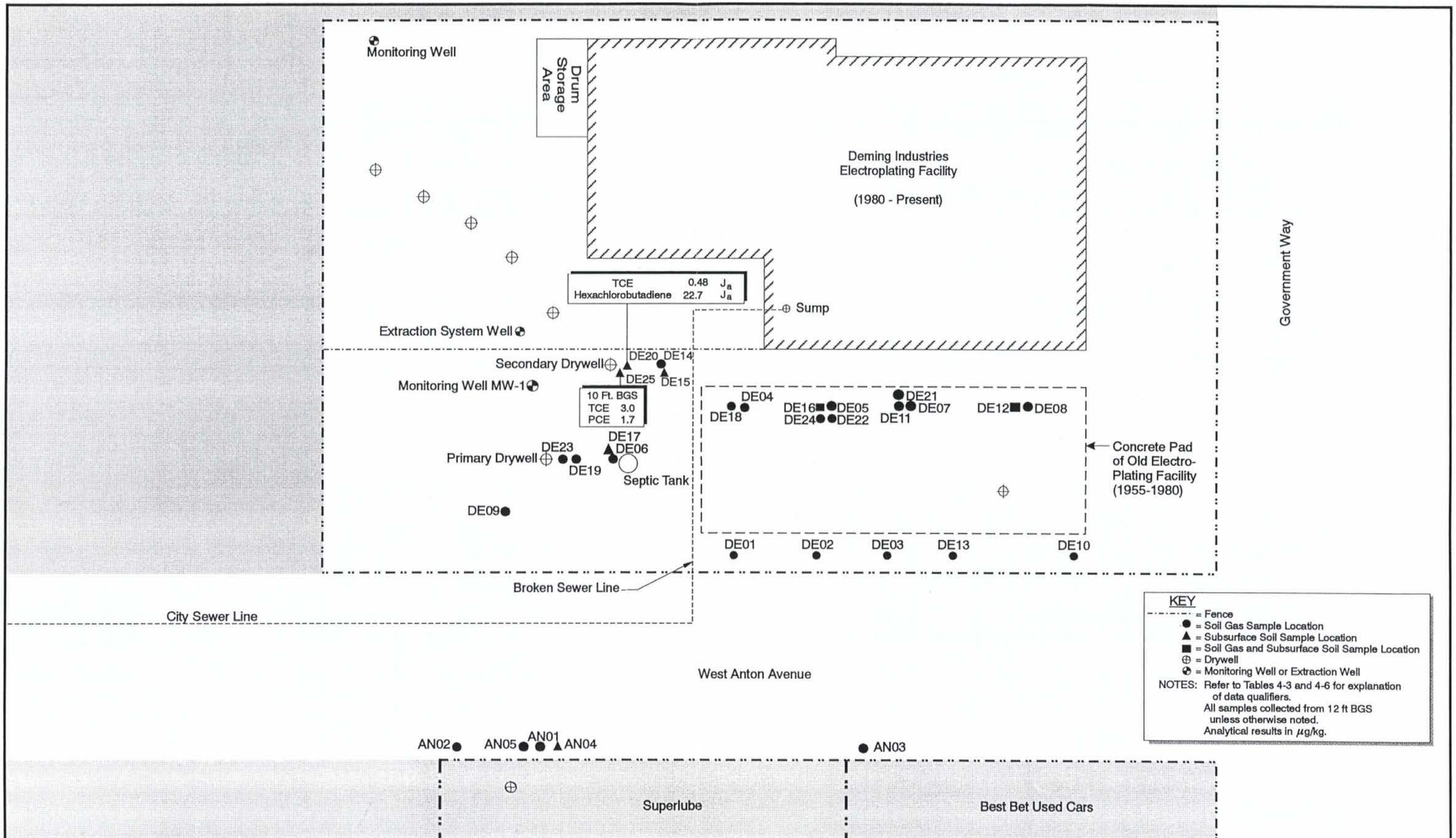
Seattle, Washington

0 25' 50'
Approximate Scale in Feet

COEUR D' ALENE GROUNDWATER CONTAMINATION ESI
Coeur d' Alene, Idaho

Figure 4-2
DEMING INDUSTRIES/W. ANTON AVE.
SOIL GAS ANALYTICAL RESULTS

Drawn By:	Date	Job No.	Dwg. No.
MRE	10-15-96	ZO3084	ZO3084FH



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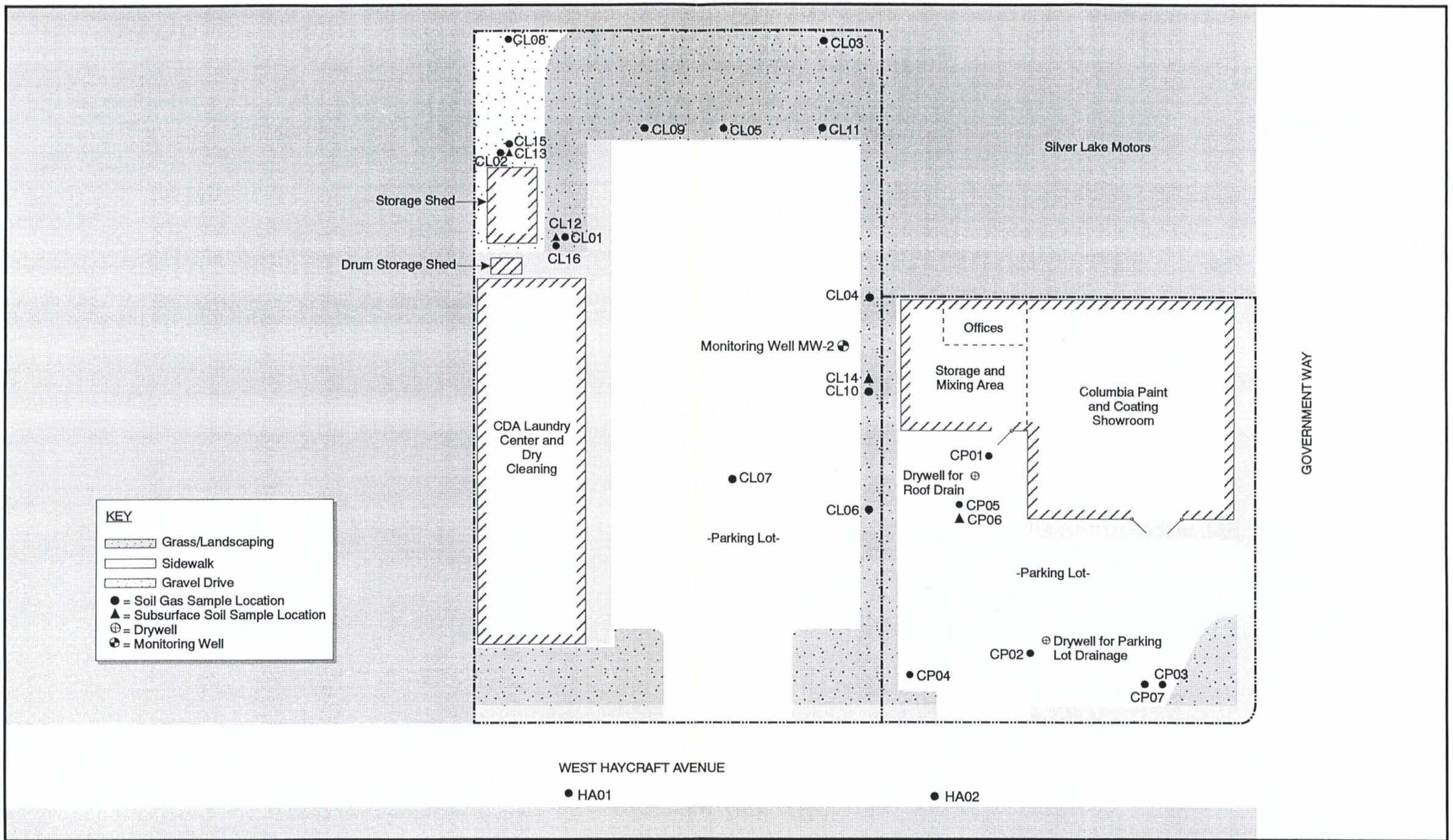
0 25' 50'
Approximate Scale in Feet

COEUR D' ALENE GROUNDWATER CONTAMINATION ESI
Coeur d' Alene, Idaho

Figure 4-3
DEMING INDUSTRIES/W. ANTON AVE.
SOIL ANALYTICAL RESULTS

Drawn By:	Date	Job No.	Dwg. No.
MRE	10-15-96	ZO3084	ZO3084FI



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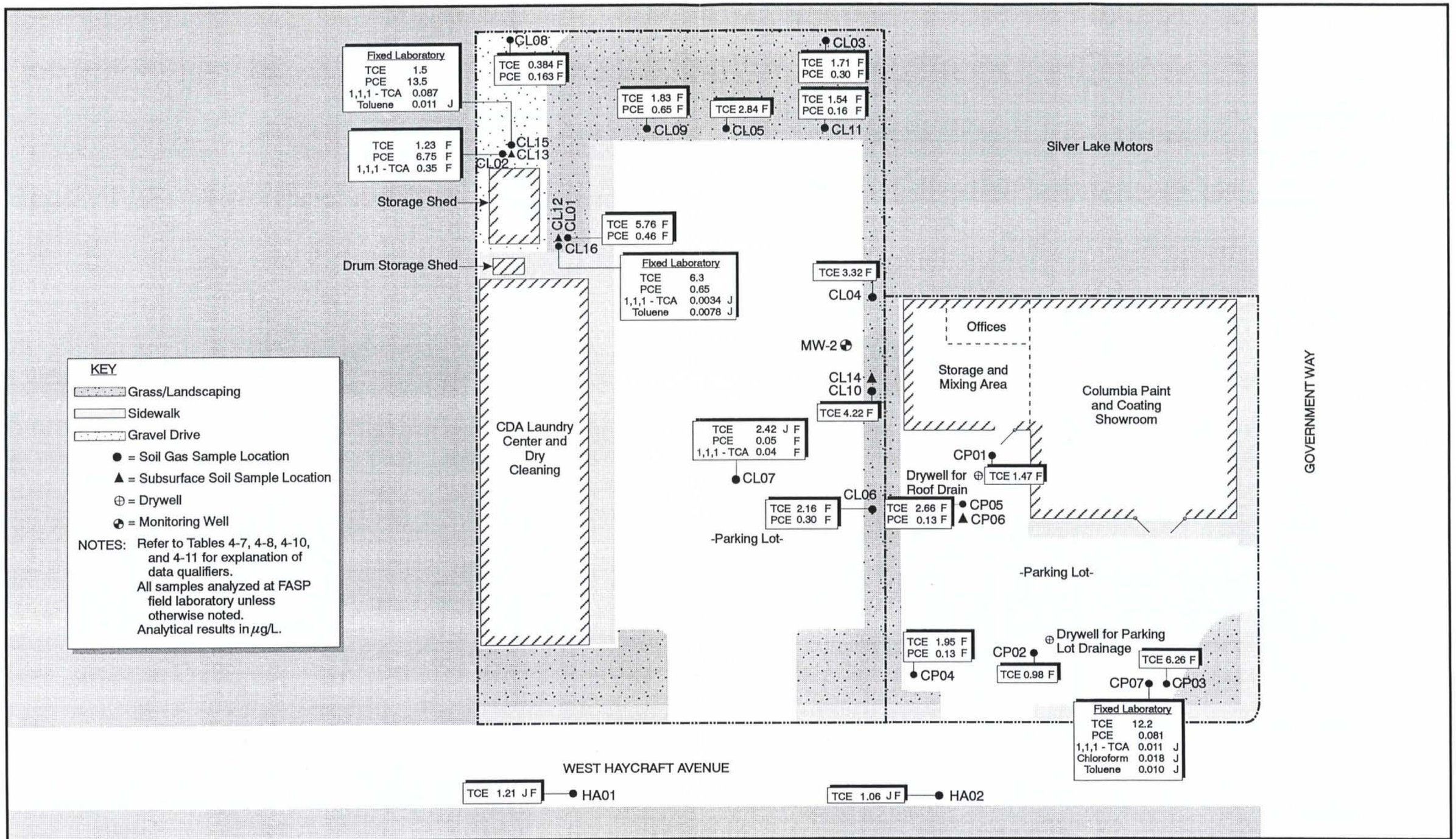
0 25' 50'
Approximate Scale in Feet

COEUR D' ALENE GROUNDWATER CONTAMINATION ESI
Coeur d' Alene, Idaho

Figure 4-4: COLUMBIA PAINT & COATING/ CDA LAUNDRY CENTER & DRY CLEANING/ HAYCRAFT AVE. R.O.W. AREA SAMPLE LOCATION MAP

Drawn By:	Date	Job No.	Dwg. No.
MRE	10-15-96	ZO3084	ZO3084FB



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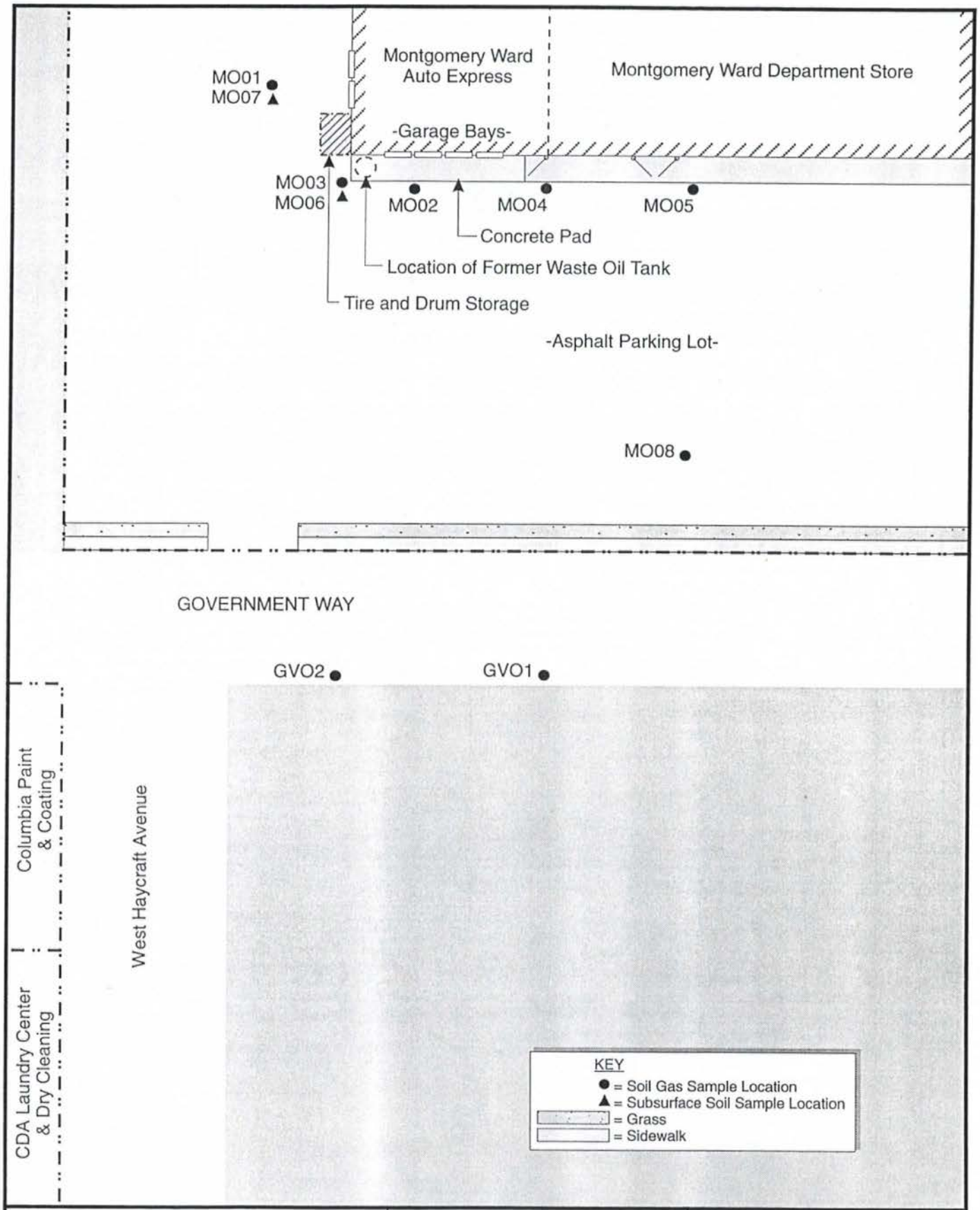
0 25' 50'
Approximate Scale in Feet

COEUR D' ALENE GROUNDWATER CONTAMINATION ESI
Coeur d' Alene, Idaho

Figure 4-5: COLUMBIA PAINT & COATING/ CDA LAUNDRY CENTER & DRY CLEANING/ HAYCRAFT AVE. R.O.W. AREA SOIL GAS ANALYTICAL RESULTS

Drawn By:	Date	Job No.	Dwg. No.
MRE	11-26-96	ZO3084	ZO3084FJ



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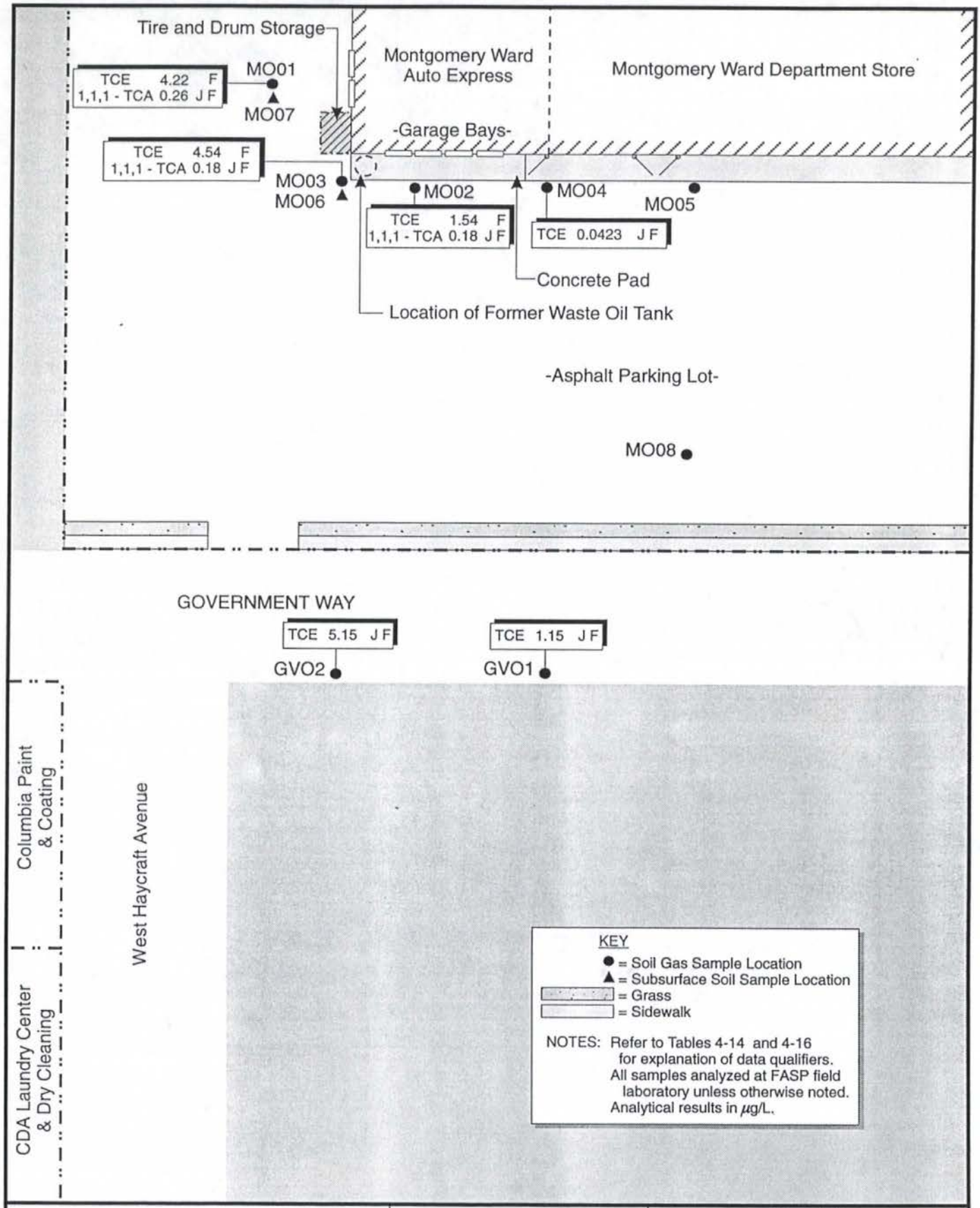
COEUR D'ALENE GROUNDWATER ESI
Coeur d'Alene, Idaho

0 25' 50'
Approximate Scale in Feet

Figure 4-6
MONTGOMERY WARD AUTO EXPRESS/GOVERNMENT WAY R.O.W. SAMPLE LOCATION MAP

Drawn By:	Date	TDD/Job No.	Dwg. No.
MRE	10-16-96	ZO3084	ZO3084FF



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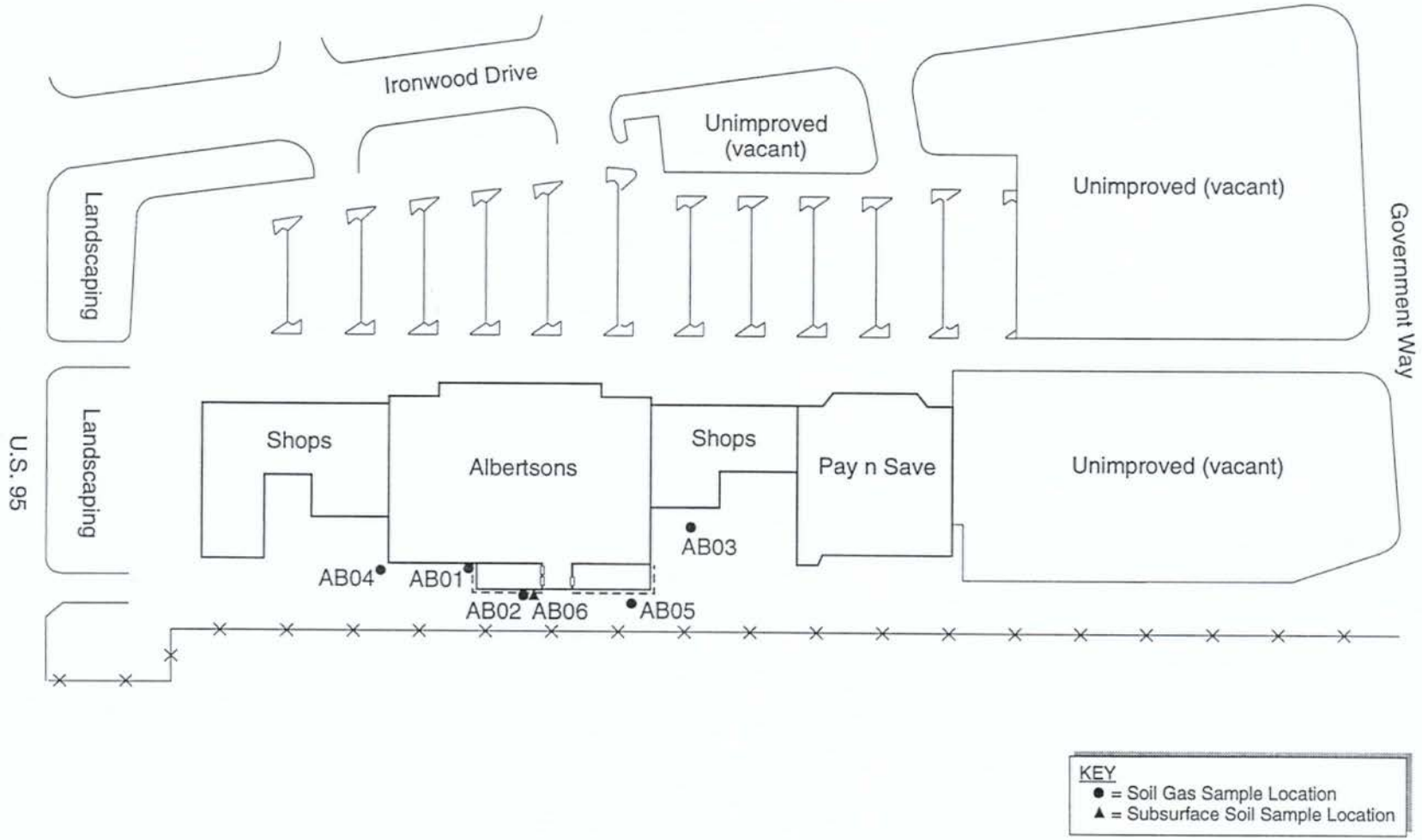
COEUR D'ALENE GROUNDWATER ESI
Coeur d'Alene, Idaho

0 25' 50'
Approximate Scale in Feet

Figure 4-7
MONTGOMERY WARD AUTO EXPRESS/GOVERNMENT WAY R.O.W. SOIL GAS ANALYTICAL RESULTS

Drawn By:	Date	TDD/Job No.	Dwg. No.
MRE	10-16-96	ZO3084	ZO3084FK



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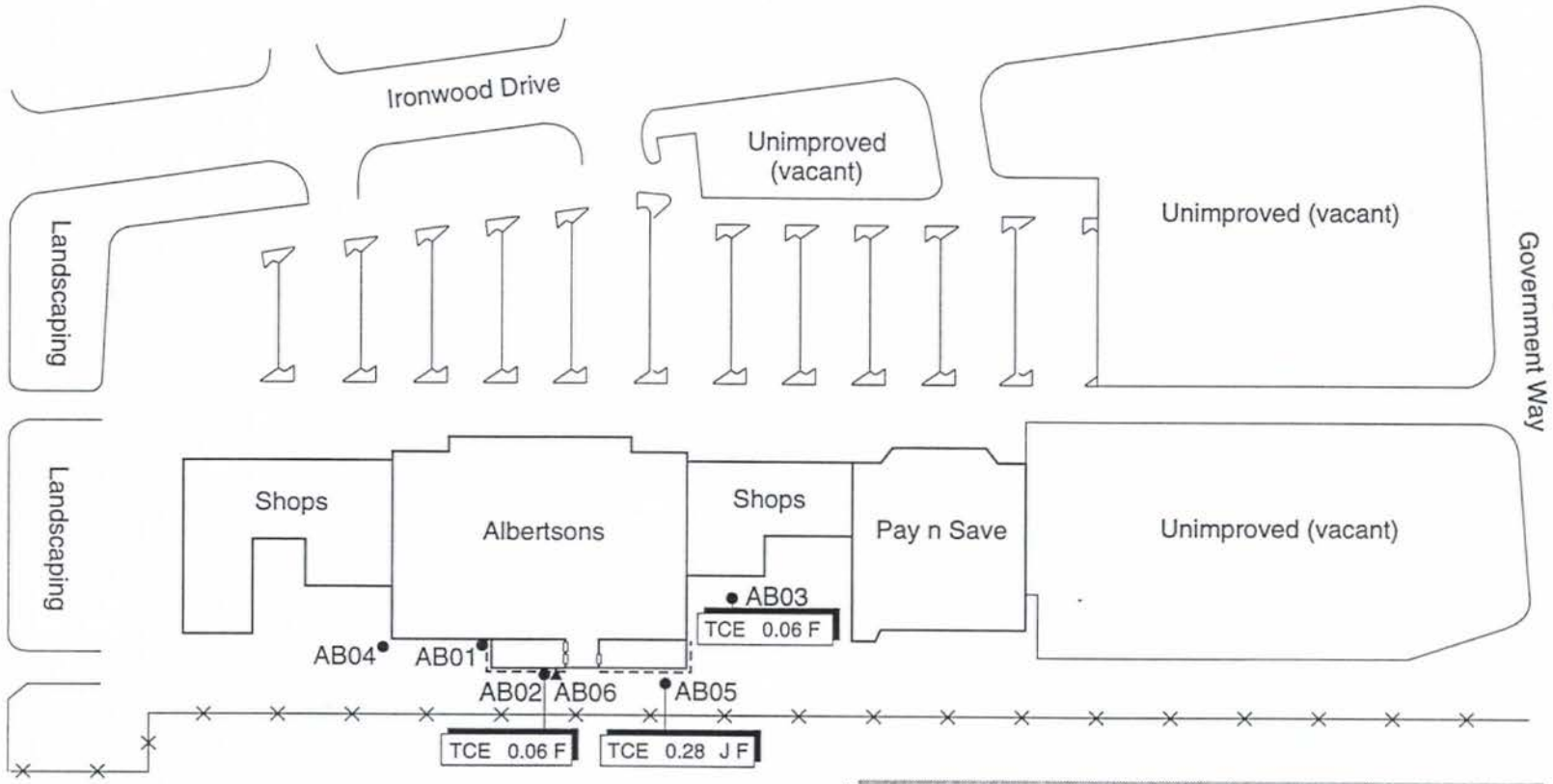
COEUR D'ALENE GROUNDWATER ESI
Coeur d'Alene, Idaho

0 80' 160'
Approximate Scale in Feet

Figure 4-8
ALBERTSONS
FORMER IDOT MAINTENANCE FACILITY
(ALBERTSONS) SAMPLE LOCATION MAP

Drawn By:	Date	TDD/Job No.	Dwg. No.
MRE	10-16-94	ZO3084	ZO3084FD



KEY
● = Soil Gas Sample Location
▲ = Subsurface Soil Sample Location

NOTES:
Refer to Table 4-17 for explanation of data qualifiers.
All samples analyzed at FASP field laboratory unless otherwise noted.
Analytical results in μg/L.

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COEUR D'ALENE GROUNDWATER ESI
Coeur d'Alene, Idaho

0 80' 160'
Approximate Scale in Feet

Figure 4-9
ALBERTSONS
(FORMER IDOT MAINTENANCE FACILITY)
SOIL GAS ANALYTICAL RESULTS

Drawn By:	Date	TDD/Job No.	Dwg. No.
MRE	10-16-94	ZO3084	ZO3084FM

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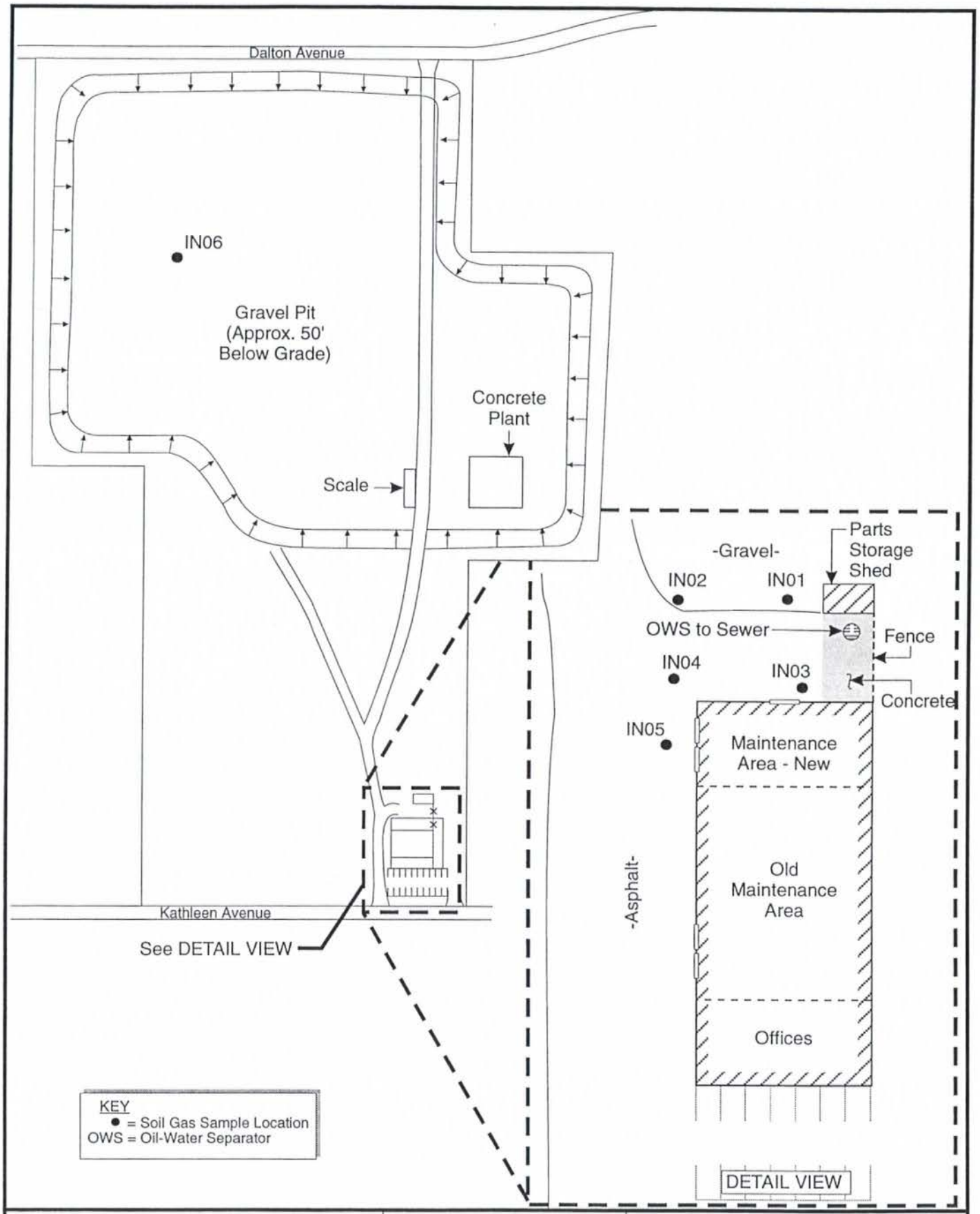

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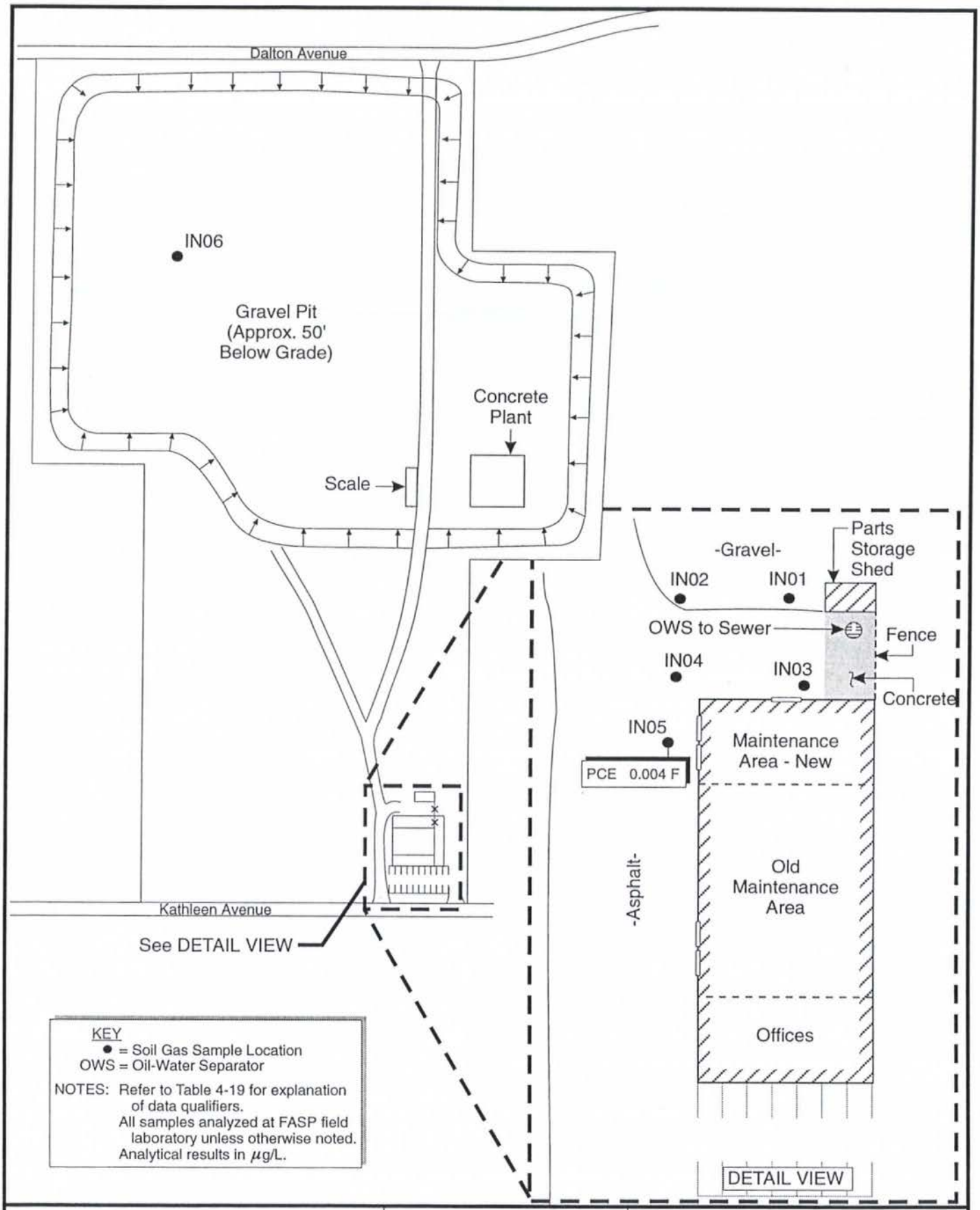
COEUR D'ALENE
GROUNDWATER ESI
Coeur d'Alene, Idaho

Figure 4-10
INTERSTATE CONCRETE & ASPHALT
SAMPLE LOCATION MAP

0 200' 400'
Approximate Scale in Feet

Drawn By:	Date	TDD/Job No.	Dwg. No.
MRE	10-16-95	ZO3084	ZO3084FG



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COEUR D'ALENE
GROUNDWATER ESI
Coeur d'Alene, Idaho

Figure 4-11
INTERSTATE CONCRETE & ASPHALT
SOIL GAS ANALYTICAL RESULTS

0 200' 400'
Approximate Scale in Feet

Drawn By:	Date	TDD/Job No.	Dwg. No.
MRE	11-26-95	ZO3084	ZO3084FN

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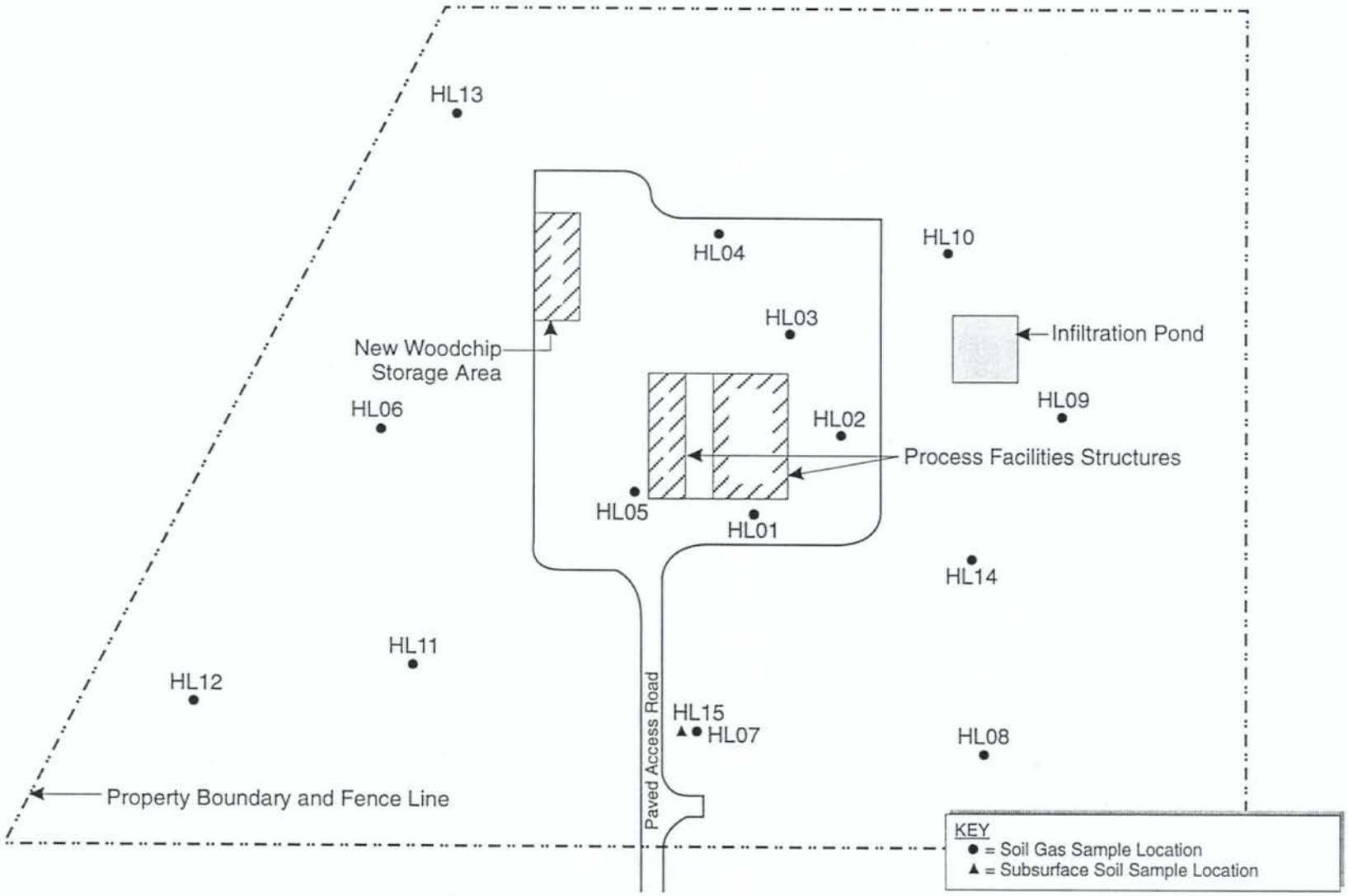

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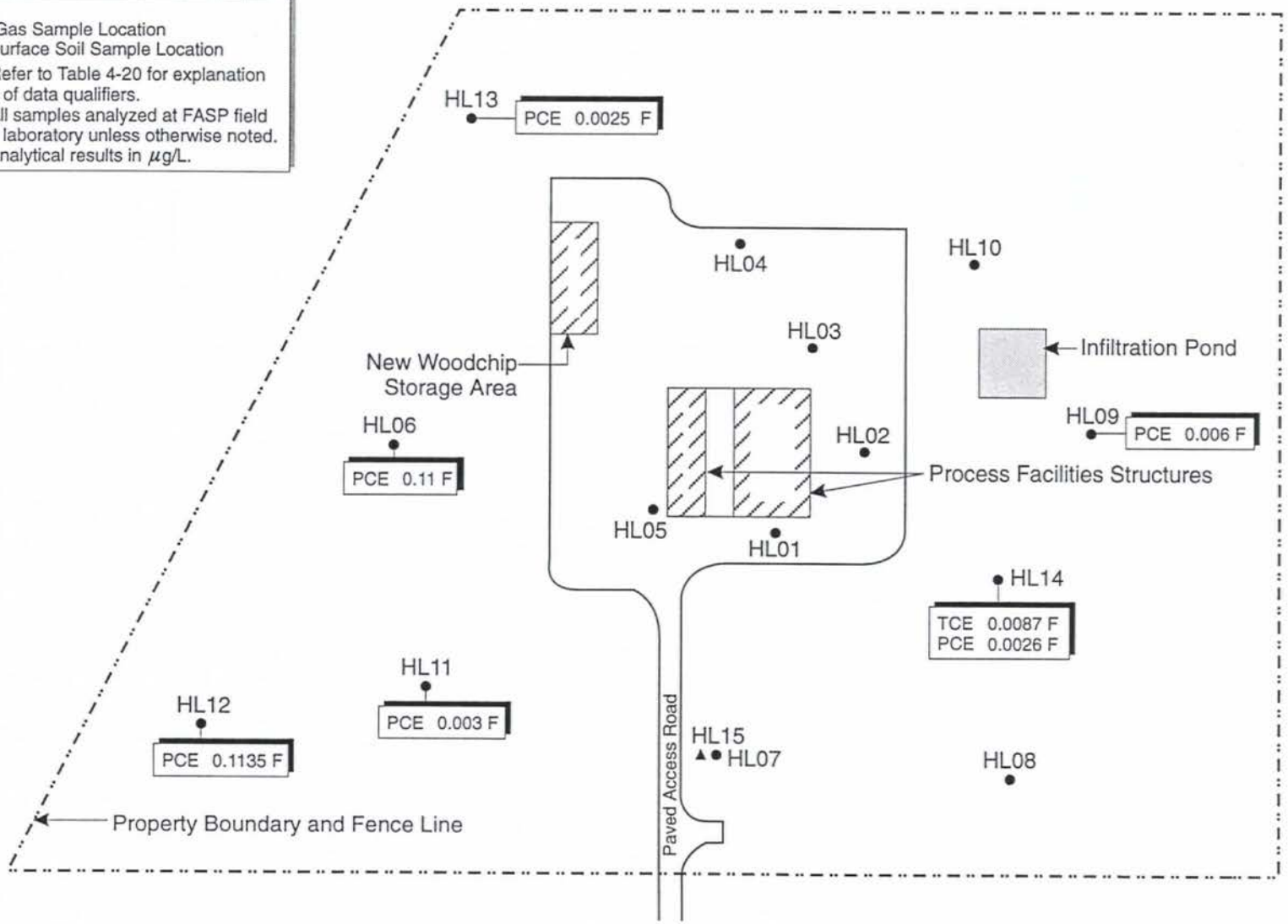
COEUR D'ALENE GROUNDWATER ESI
Coeur d' Alene, Idaho

0 80' 160'
Approximate Scale in Feet

Figure 4-12
CITY OF COEUR D' ALENE
HISTORIC LANDFILL (COMPOST FACILITY)
SAMPLE LOCATION MAP

Drawn By:	Date	TDD/Job No.	Dwg. No.
MRE	10-16-96	ZO3084	ZO3084FE



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COEUR D'ALENE GROUNDWATER ESI
Coeur d' Alene, Idaho

0 80' 160'
Approximate Scale in Feet

Figure 4-13
CITY OF COEUR D' ALENE
HISTORIC LANDFILL (COMPOST FACILITY)
SOIL GAS ANALYTICAL RESULTS

Drawn By:	Date	TDD/Job No.	Dwg. No.
MRE	10-16-96	ZO3084	ZO3084FP

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5. SUMMARY AND CONCLUSIONS

This section summarizes the ESI sampling activities performed, analytical results for samples collected at potential source areas, and analytical results of groundwater samples collected from area wells.

5.1 SUMMARY OF FIELD SAMPLING ACTIVITIES

The CDA ESI activities have been conducted over the course of four phases of field activities between June 1994 and May 1996. This section provides a synopsis of field activities performed during each phase of field work. Field activities for Phases I through III are discussed in further detail in Section 3 of the 1995 ESI Report (E & E 1995). Phase IV field activities are detailed in Section 3 of the present report.

During Phase I field activities, conducted in June 1994, soil gas samples and subsurface soil samples were collected at the following potential TCE source areas:

- Deming Industries;
- Advanced Input Devices;
- Former IDOT maintenance facility on Government Way (Albertsons);
- Current IDOT facility on Ramsey Road;
- Kootenai County Landfill on Ramsey Road;
- Park Avenue/Dalton Avenue area (including former Asphalt Batch Plant and GTE); and
- Interstate Concrete and Asphalt.

In addition, groundwater samples were collected from 26 area wells during Phase I field activities, and groundwater elevations were measured at six area wells.

Phase II field activities, conducted in September and October 1994, included installation of two monitoring wells. During installation of monitoring well MW-1 at a location in the former drainfield at Deming Industries, deep soil gas samples, subsurface soil samples, and groundwater samples were collected. Subsurface soil samples and groundwater samples were collected during drilling of monitoring well MW-2, located between the facilities of Coeur d'Alene Laundry Center & Dry Cleaning and Columbia Paint & Coating.

During Phase III field activities, which were conducted in December 1994, groundwater samples were collected from monitoring wells MW-1 and MW-2 and eight area wells. In addition, groundwater elevations were measured at nine area wells.

Phase IV field activities were completed in May 1996 and included collection of soil gas and soil samples from the following potential TCE source areas:

- Deming Industries;
- Coeur d'Alene Laundry Center & Dry Cleaning and Columbia Paint & Coating area;
- Montgomery Ward Auto Express;
- Former Idaho Department of Transportation (IDOT) maintenance facility on Government Way (Albertsons);
- Interstate Concrete and Asphalt; and
- Area of historic City of Coeur d'Alene landfill (presently occupied by the City of Coeur d'Alene compost facility).

5.2 SUMMARY OF RESULTS

This section summarizes analytical results for soil, soil gas, and groundwater samples collected at potential source areas and analytical results for groundwater samples collected from area wells. ESI results for Phases I through III activities are provided in additional detail in Sections 5 and 6 of the 1995 ESI Report (E & E 1995). Phase IV analytical results are presented in further detail in Section 4 of this report.

5.2.1 Sampling at Potential Source Areas

Phase I Field Activities

As was noted in the 1995 ESI Report (E & E 1995), problems with procedures used to both collect and analyze field soil gas samples and to collect confirmation soil gas samples have been identified. As a result, all soil gas samples analytical results for Phase I field activities have been determined to be invalid, and were presented in the 1995 ESI Report (E & E 1995) for informational purposes. Available information suggests that the confirmation soil gas analytical results are biased low. The following discussion summarizes these soil gas analytical results, as well as analytical results of subsurface soil samples.

TCE and PCE were detected in soil gas and/or soil samples collected during Phase I field activities at Deming Industries throughout the former drywell system drainfield, the area of the corroded sanitary sewer drainline, and the drum storage area. TCE and PCE were detected in soil gas samples at the highest concentrations, 61 μg/L (estimated) and 29 μg/L (estimated) respectively, in a sample collected near the primary drywell. The highest concentrations of TCE and PCE in subsurface soil, 55 μg/kg and 88 μg/kg respectively, were detected in a sample collected near the secondary drywell.

TCE was detected at comparatively low concentrations in soil gas samples collected at the following other potential source areas investigated: Advanced Input Devices, the current IDOT facility on Ramsey Road, and the Kootenai County Landfill on Ramsey Road. PCE was detected in soil gas samples collected at the same potential source areas as for TCE, as well as at the former IDOT maintenance facility (Albertsons) and the Ramsey Road right-of-way adjacent to the current IDOT maintenance facility. Concentrations of PCE, as with those of TCE, were all very low relative to those for soil gas samples collected at Deming Industries. Neither TCE nor PCE were detected in soil samples collected from any of these facilities.

Phase II Field Activities

On the basis of historical and Phase I results, a monitoring well (MW-1) was installed in the area of the former drainfield at Deming Industries during Phase II field activities. Detection of TCE and PCE in soil and soil gas samples collected from the unsaturated zone during drilling of MW-1 appears to track the migration of TCE and PCE from the surface to

the water table (encountered at approximately 195 feet BGS). TCE and PCE were detected in deep soil samples at concentrations as high as 25.4 μg/kg and 0.96 μg/kg (estimated), respectively. A soil sample collected at the water table contained TCE and PCE at concentrations of 42.9 μg/kg and 1.5 μg/kg, respectively. TCE and PCE were detected in groundwater samples collected at the water table during drilling at concentrations as great as 1,510 μg/L and 26.7 μg/L, respectively. TCE was also detected in groundwater samples collected during drilling from depths up to 295 feet BGS, as well as in a soil sample collected from 295 feet BGS. Neither TCE nor its breakdown products were detected in groundwater samples collected from 295 to 405 feet BGS, the total depth drilled. Monitoring well MW-1 was installed with a screen set at an interval straddling the water table.

A second monitoring well (MW-2) was installed at a location approximately 265 feet south and hydraulically upgradient of MW-1. The well was drilled in the parking lot of Coeur d'Alene Laundry Center & Dry Cleaning, immediately to the west of Columbia Paint & Coating. Soil samples collected during drilling through the unsaturated zone contained TCE and PCE at concentrations as high as 7.9 μg/kg and 0.10 μg/kg (estimated), respectively. Soil and groundwater samples collected from near the water table (encountered at approximately the same depth as in MW-1) contained TCE at up to 9.4 μg/kg and 79.6 μg/L, respectively. Drilling was discontinued at a depth of 215 feet, and monitoring well MW-2 was installed in a manner identical to that of MW-1, with a screened interval straddling the water table.

Phase IV Field Activities

TCE was detected in soil gas samples collected at each of the potential source areas investigated except Interstate Concrete and Asphalt. PCE was detected in soil gas samples collected at each area except Montgomery Ward Auto Express and the former IDOT facility (Albertsons). TCE and PCE were detected at the highest concentrations in the area which includes Deming Industries, Coeur d'Alene Laundry Center & Dry Cleaning, Columbia Paint & Coating, and Montgomery Ward Auto Express. Within this area, the highest concentrations of TCE and PCE in soil gas (ranging up to 58.5 μg/L and 22.6 μg/L, respectively) were detected on the property of Deming Industries. However, relatively high concentrations of TCE and PCE were also detected in soil gas samples collected at Coeur d'Alene Laundry

Center & Dry Cleaning (TCE up to 6.3 μg/L; PCE up to 13.5 μg/L), Columbia Paint and Coating (TCE up to 12.2 μg/L), Montgomery Ward Auto Express (TCE up to 4.54 μg/L), and Government Way right-of-way (TCE up to 5.15 μg/L, estimated). Soil gas samples collected from the former IDOT maintenance facility (Albertsons), Interstate Concrete and Asphalt, and the historic City of Coeur d'Alene Landfill (City of Coeur d'Alene compost facility) contained the target compounds at comparatively low concentrations (TCE as high as 0.28 μg/L, estimated; PCE as high as 0.1135 μg/L).

The only subsurface soil samples in which TCE or PCE was detected were collected at Deming Industries. The highest concentrations of TCE (3.0 μg/kg) and PCE (1.7 μg/kg) were detected in a sample (duplicate) collected from a location near the secondary drywell.

5.2.2 Groundwater Sampling

The following discussion of groundwater analytical results is summarized from Section 6 of the 1995 ESI Report (E & E 1995). Groundwater sampling from domestic and municipal wells within the CDA study area during Phase I and III field activities resulted in the detection of TCE in samples from five wells: the Sunrise Terrace Well System (as high as 13.4 μg/L), the Coeur d'Alene Hanley well (2.6 μg/L), the Schneidmiller well (as high as 2.6 μg/L, estimated), and the Magnuson well (0.05 μg/L, estimated).

Groundwater samples were collected from monitoring wells MW-1 and MW-2 during Phase III field activities. TCE and PCE were detected in a groundwater sample collected from MW-1 at concentrations of 648 μg/L and 4.8 μg/L (estimated), respectively. A groundwater sample collected from MW-2 contained TCE at a concentration of 153 μg/L. The sample also contained low concentrations of PCE, 1,1-DCE, and 1,1,1-TCA.

5.3 CONCLUSIONS

Based on contamination of shallow and deep subsurface soil, historical evidence, and the relatively high concentrations of TCE in groundwater in monitoring well MW-1 (located in the former drainfield at Deming Industries), it appears likely that the TCE contamination in groundwater detected in MW-1 is attributable to downward migration from a source(s) at Deming Industries. TCE detected in CDA area wells (including the City of Coeur d'Alene Hanley well and the Sunrise Terrace well system), which are situated hydraulically down-

gradient from the Deming Industries area, may be attributable, at least in part, to TCE contamination at the Deming Industries site. However, other potential sources of TCE groundwater contamination cannot be ruled out.

A total of nine other potential source areas were investigated during the CDA ESI. No TCE contamination of shallow subsurface soil was detected at any of these other areas. Deep subsurface soil contamination was detected, however, during drilling through the unsaturated zone at the location of monitoring well MW-2, located between the facilities of Coeur d'Alene Laundry Center & Dry Cleaning and Columbia Paint & Coating and approximately 200 feet south and hydraulically upgradient of the Deming Industries property. Soil samples collected from the water table in MW-2 contained TCE at concentrations as high as 9.4 μg/kg; a groundwater sample collected from MW-2 during Phase III field activities contained TCE at 160 μg/L. These TCE concentrations are approximately 22% and 25% as high as those for soil and groundwater samples collected from MW-1 at correlative depths and using the same methods. As discussed in the 1995 ESI Report (E & E 1995), the detection of TCE and PCE in the soil and groundwater samples collected at MW-2 could be attributed to one or more of the following potential reasons: lateral migration of TCE southward from Deming Industries; a source of TCE in groundwater located upgradient of both MW-1 and MW-2; and an existing or historic source in the immediate vicinity of the MW-2. These potential explanations are discussed further below.

Lateral migration southward from Deming Industries could be the result of dispersion of the plume as it migrates downward through the unsaturated zone, spreading across localized thin clay layers (such as were noted during drilling of MW-2 between 156 and 160 feet BGS), and/or migration along manmade conduits (e.g., underground utilities lines).

The TCE detected in groundwater from MW-2 could also be attributable to a localized reversal of the northward hydraulic gradient in the area of MW-1 and MW-2, allowing the southward migration of groundwater contaminated by TCE from Deming Industries. Based on preliminary groundwater movement modeling, such a temporary localized reversal of hydraulic gradient could be caused by high pumping rates of several municipal wells located to the southeast and south of MW-1 and MW-2 (Fuentes 1994). Measurement of water levels during Phase II and Phase III field activities indicate that groundwater flow direction was

toward the north at those times. The TCE detected in the deep subsurface soil could be the result of volatilization of TCE off of the water table under such a scenario.

Another possible source of TCE in groundwater detected in MW-2, as well as in MW-1 and other downgradient wells, is a historic or existing TCE source located in the vicinity of, or upgradient of, monitoring well MW-2. TCE was detected in soil gas samples collected from the properties of Coeur d'Alene Laundry Center & Dry Cleaning, Columbia Paint & Coating, Montgomery Ward Auto Express and adjacent locations in the right-of-way of West Anton Avenue, West Haycraft Avenue, and Government Way. However, no TCE or PCE was detected in subsurface soil samples collected from any of these areas. TCE and PCE in soil gas at these areas could be attributable to lateral migration of these compounds from Deming Industries in the subsurface, as discussed above. However, although no contamination of shallow subsurface soil was detected at any of these locations, it cannot be ruled out that some of the TCE and PCE in soil gas at these areas is due to local sources of TCE soil contamination.

TCE was also detected in soil gas samples collected from the former IDOT maintenance facility (Albertsons). No TCE or PCE was detected in subsurface soil samples. Nonetheless, as with the other areas upgradient of MW-1 discussed above, the possibility of subsurface soil TCE contamination cannot be dismissed.

Groundwater sampling from domestic, irrigation, and municipal wells within the CDA area resulted in the confirmation of TCE in samples from five wells: the Sunrise Terrace Well System (comprising two wells), the city of Coeur d'Alene Hanley Well, the Schneidmiller well, and the Magnuson well. TCE was detected above the MCL of 5 μg/L during the ESI only in groundwater samples collected from the Sunrise Terrace well system, which is no longer used as a drinking water supply. However, a sample collected by the city of Coeur d'Alene at the Hanley well on May 2, 1995 contained TCE at a concentration (5.22 μg/L) above the MCL for the first time. Samples collected by the city of Coeur d'Alene since then have contained TCE at concentrations as high as 8.4 μg/L (June 10, 1996). The most recent sample (September 16, 1996) contained TCE at 4.3 μg/L. The City of Coeur d'Alene does not presently plan to use the well for water supply. The planned installation of a booster pump in November or December 1996 is expected to allow other City of Coeur d'Alene wells to meet water supply demands while bypassing the Hanley well. However, it is possible that

the Hanley well may be utilized to meet future needs during the high demand summer months (Markley 1996).

In May 1996, a groundwater remediation system was installed by Deming Industries with an extraction well located approximately 20 feet north of monitoring well MW-1. In addition, Deming Industries installed a downgradient monitoring well near the northwest corner of the Deming Industries property.

6. REFERENCES

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APPENDIX A
DATA QUALITY ASSURANCE MEMORANDA/ANALYTICAL RESULTS FOR PHASE IV ESI SAMPLING ACTIVITIES

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 10 LABORATORY
7411 Beach Dr. East
Port Orchard, Washington 98366

November 8, 1996

MEMORANDUM

SUBJECT: Corrected Field Analytical Results for the Coeur d'Alene ESI Project

FROM: Gerald H. Dodo, Chemist
USEPA

TO: Mark Ader, Project Officer
USEPA

CC: Mark Longtine, E&E

Attached are corrected VOA field analyses' results for soil gas samples collected for the Coeur d'Alene ESI project. The results are for samples 96213810, 96213812, 96213822, and 96213824. The project code for these samples is FSP-005A and the account number is 96T10PTFA10Q6.

Please contact me if you have any questions.

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Project Code:	FSP-005A	**Collected:**	0:48
Project Name:	COEUR d'ALENE	**Matrix:**	Air
Project Officer:	MARK ADER	**Sample Number:**	96213810
Account Code:	96T10PTFA10Q6LA00	**Type:**	Reg sample
Station Description:			

			Result	Units	Qlfr
FASP					
Parameter	: Volatiles				
Method	: FASP-038				
Prep Method	: 00	unspecified			
Analytes	: 79016	Ethene, trichloro-	0.004	ug/L	U
	127184	Tetrachloroethene	0.0025	ug/L	

Manchester Environmental Laboratory
Final Report

Project Code:	FSP-005A	Collected:	0:54
Project Name:	COEUR d'ALENE	Matrix:	Air
Project Officer:	MARK ADER	Sample Number:	96213812
Account Code:	96T10PTFA10Q6LA00	Type:	Reg sample
Station Description:			

			Result	Units	Qlfr
FASP					
Parameter	: Volatiles				
Method	: FASP-038				
Prep Method	: 00	unspecified			
Analytes	: 79016	Ethene, trichloro-	0.004	ug/L	U
	127184	Tetrachloroethene	0.004	ug/L	

Manchester Environmental Laboratory
Final Report

Project Code:	FSP-005A	**Collected:**	5/21/96 14:43
Project Name:	COEUR d'ALENE	**Matrix:**	Air
Project Officer:	MARK ADER	**Sample Number:**	96213822
Account Code:	96T10PTFA10Q6LA00	**Type:**	Reg sample
Station Description:			

			Result	Units	Qlfr
FASP					
Parameter	: Volatiles				
Method	: FASP-038				
Prep Method	: 00	unspecified			
Analytes	: 79016	**Ethene, trichloro-**	**1.21**	**ug/L**	**J**
	127184	Tetrachloroethene	0.3	ug/L	U

Manchester Environmental Laboratory
Final Report

Project Code:	FSP-005A	**Collected:**	5/21/96 16:44
Project Name:	COEUR d'ALENE	**Matrix:**	Air
Project Officer:	MARK ADER	**Sample Number:**	96213824
Account Code:	96T10PTFA10Q6LA00	**Type:**	Reg sample
Station Description:			

			Result	Units	Qlfr
FASP					
Parameter	: Volatiles				
Method	: FASP-038				
Prep Method	: 00	unspecified			
Analytes	: 79016	Ethene, trichloro-	0.006	ug/L	U
	127184	Tetrachloroethene	0.006	ug/L	U

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 10 LABORATORY
7411 Beach Dr. East
Port Orchard, Washington 98366

July 24, 1996

MEMORANDUM

SUBJECT: Coeur d' Alene, Idaho, FASP Soil-Gas Data.

FROM: Gerald Muth, RPO
ESAT Contract, Region 10

TO: Mark Ader
Remedial Project Manager

The following is a QA data review of the results for Soil-Gas analysis by FASP procedures for Geoprobe samples collected from the Couer d' Alene Groundwater site in Idaho.. This work was performed by the ESAT Team under TDF 3124 and delivered by Document Number ESAT-10a-9109. This review covers the following samples:

96213808 96213809 96213810 96213811 96213812

DATA QUALIFICATIONS

The following comments refer to the ESAT Team's performance in meeting quality control specifications outlined in the CLP Statement of Work (CLP-SOW) for Organic Analysis, rev. ILMO3.0, the Manchester Environmental Laboratory Quality Assurance Manual, revision 5/88, the ESAT Field Analytical Support Project (FASP) Standard Operating Procedures Manual and the Sampling and Analysis Plan prepared for the Coeur d' Alene Groundwater site. The recommendations presented herein are based on the information provided for the review.

1.0 Timeliness: Acceptable

The technical holding time for the analysis of soil-gas samples collected onto a Vocarb trap or Tedlar bag is 24 and four hours respectively

The holding time criterion was not exceeded; therefore, no qualification was required on the basis of holding time.

2.0 Initial Calibration: Acceptable

The initial calibration curves must be linear with at least three levels which respond over the linear range of the detector. Calibration curves should report a correlation coefficient of greater than or equal to 0.995.

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All calibrations met acceptance criteria; therefore, no qualification was required on the basis of calibration.

3.0 Continuing Calibration - Acceptable

The percent difference (%D) between the initial response and the continuing response for each compound must not exceed ± 35%. The absolute retention time of the compounds must be within ± 1.0% difference from retention times established during the initial calibration. Continuing calibration analyses should be done every 12 hours during the analytical sequence according to the method

Acceptance criteria were met for the continuing calibrations, no qualifiers were applied on the basis of continuing calibration.

4.0 Blanks: Acceptable

Instruments blanks were used extensively to determine if there is carryover from one sample to the next. No significant signs of carryover or cross contamination that would affect the samples was displayed. No qualifiers were recommended on the basis of blanks.

5.0 Analytical Sequence - Acceptable

Samples must be run following an initial calibration. Continuing calibration checks and instrument blanks must be run at least every 12 hours.

Continuing calibration standards and instrument blanks were run at the specified intervals. No qualifiers were recommended on this basis.

6.0 Matrix Spike Analysis: Acceptable

Spiked bag control samples are used to document the efficiency of the sampling and analysis process. Recoveries should be within 50-150%.

A spiked bag was not prepared and analyzed with this sample set.

7.0 Compound Identification - Acceptable

Compound identification is done by retention time matching of sample chromatograms to the chromatograms of standards. The retention times of the target Analyte found in the samples must be within ± 1.0%D from the retention time established from the initial calibration.

.All retention times were within the windows determined from the initial calibration. No qualifiers were recommended on the basis of compound identification.

8.0 Compound Quantitation - Acceptable

Reported results must be calculated against the initial calibration. The concentration of target Analyte in the sample must fall within the range of the calibration curve. All samples, standards, and blanks were calculated against the initial calibration of 20 May 1996.

Below are the definitions for the qualifiers used in the Inorganic area when qualifying data from Inorganic analysis.

DATA QUALIFIERS

U - Element was analyzed but not detected. The associated numerical value is the instrument detection limit/method detection limit.

P - The Analyte was detected above the Instrument Detection Limit, but not quantified within expected limits of precision. The laboratory has established minimum quantitation limits having a relative standard deviation of no more than 10%.

H - The samples were analyzed after the suggested holding times.

E - The reported value is an estimate because of the presence of interference. An explanatory note will be included with the report.

B - Analyte is found in the analytical blank and the sample indicating possible/probable blank contamination. If analytes are found in any of the associated procedural blanks, the concentration in the samples must be at least ten times the quantity observed in the blank. If the sample result fails these criteria, the sample result is qualified (B).

N - Spiked sample recovery not within control limits.

NAR - There is no analysis result for this Analyte.

NA - Not applicable/Not required.

S - Sample was analyzed by the method of standard additions.

+ - The sample was analyzed by method of standard additions and the correlation coefficient was less than 0.995.

W - Post spike out of specified range, the sample was less than 50% the spike range, and the sample was less than 50% the spike added.

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Project Code:	FSP-005A	**Collected:**	0:44
Project Name:	COEUR d'ALENE	**Matrix:**	Air
Project Officer:	MARK ADER	**Sample Number:**	96213808
Account Code:	96T10PTFA10Q6LA00	**Type:**	Reg sample
Station Description:			

			Result	Units	Qlfr
FASP					
Parameter	: Volatiles				
Method	: FASP-038				
Prep Method	: 00	unspecified			
Analytes	: **127184**	**Tetrachloroethene**	**0.003**	**ug/L**	
	79016	Trichloroethene	0.004	ug/L	U

96213808 Reg sample

Manchester Environmental Laboratory
Final Report

Project Code:	FSP-005A	**Collected:**	0:45
Project Name:	COEUR d'ALENE	**Matrix:**	Air
Project Officer:	MARK ADER	**Sample Number:**	96213809
Account Code:	96T10PTFA10Q6LA00	**Type:**	Reg sample
Station Description:			

			Result	Units	Qlfr
FASP					
Parameter	: Volatiles				
Method	: FASP-038				
Prep Method	: 00	unspecified			
Analytes	: **127184**	**Tetrachloroethene**	**0.1135**	**ug/L**	
	79016	Trichloroethene	0.04	ug/L	U

Manchester Environmental Laboratory
Final Report

Project Code:	FSP-005A	**Collected:**	0:48
Project Name:	COEUR d'ALENE	**Matrix:**	Air
Project Officer:	MARK ADER	**Sample Number:**	96213810
Account Code:	96T10PTFA10Q6LA00	**Type:**	Reg sample
Station Description:			

			Result	Units	Qlfr
FASP					
Parameter	: Volatiles				
Method	: FASP-038				
Prep Method	: 00	unspecified			
Analytes	: **127184**	**Tetrachloroethene**	**0.0025**	**ug/L**	
	79016	Trichloroethene	~~0.04~~ 0.004	ug/L	U U

DATA ERRORS SEE 11/8/96 DATA VALIDATION MEMORANDUM

Manchester Environmental Laboratory
Final Report

Project Code:	FSP-005A	**Collected:**	0:50
Project Name:	COEUR d'ALENE	**Matrix:**	Air
Project Officer:	MARK ADER	**Sample Number:**	96213811
Account Code:	96T10PTFA10Q6LA00	**Type:**	Reg sample
Station Description:			

			Result	Units	Qlfr
FASP					
Parameter	: Volatiles				
Method	: FASP-038				
Prep Method	: 00	unspecified			
Analytes	: 127184	**Tetrachloroethene**	**0.0026**	**ug/L**	
	79016	**Trichloroethene**	**0.0087**	**ug/L**	

Manchester Environmental Laboratory
Final Report

Project Code:	FSP-005A	**Collected:**	0:54
Project Name:	COEUR d'ALENE	**Matrix:**	Air
Project Officer:	MARK ADER	**Sample Number:**	96213812
Account Code:	96T10PTFA10Q6LA00	**Type:**	Reg sample
Station Description:			

			Result	Units	Qlfr
FASP					
Parameter	: Volatiles				
Method	: FASP-038				
Prep Method	: 00	unspecified			
Analytes	: 127184	**Tetrachloroethene**	0.004	ug/L	
	79016	**Trichloroethene**	~~0.04~~ 0.004	ug/L	~~J~~ U

DATA ERROR
SEE DATA
VALIDATION MEMO
11/8/96

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 10 LABORATORY
7411 Beach Dr. East
Port Orchard, Washington 98366

July 25, 1996

MEMORANDUM

SUBJECT: Coeur d' Alene, Idaho, FASP Soil-Gas Data.

FROM: Gerald Muth, RPO
ESAT Contract, Region 10

TO: Mark Ader
Remedial Project Manager

The following is a QA review of the results for Soil-Gas analysis by FASP procedures for Geoprobe samples collected from the Couer d' Alene Groundwater site in Idaho.. This work was performed by the ESAT Team under TDF 3124 and delivered by Document Number ESAT-10a-9106

96203111	96203112	96203113	96203120	96203130
96203134	96203141	96203142	96203143	96203145
96203147	96203149	96203150	96203151	96203152
96203153	96203155	96203156	96203157	96203158

DATA QUALIFICATIONS

The following comments refer to the ESAT Team's performance in meeting quality control specifications outlined in the CLP Statement of Work (CLP-SOW) for Organic Analysis, rev. ILMO3.0, the Manchester Environmental Laboratory Quality Assurance Manual, revision 5/88, the ESAT Field Analytical Support Project (FASP) Standard Operating Procedures Manual and the Sampling and Analysis Plan prepared for the Coeur d' Alene Groundwater site. The recommendations presented herein are based on the information provided for the review.

1.0 Timeliness: Acceptable

The technical holding time for the analysis of soil-gas samples collected onto a Vocarb trap or Tedlar bag is 24 and four hours respectively

With the exception of sample 96203142 the holding time criterion was not exceeded. Sample 96203142 was analyzed twelve minutes outside the holding time criteria. The diffusion rate of the analytes through Tedlar is slow and begins to become noticeable around 4 hours. The significance of a 12 minute exceedance is difficult to define and in the opinion of the data reviewer is neglidgable. No qualifiers were assigned on the basis of timeliness.

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2.0 Initial Calibration: Acceptable

Quadratic equations must contain a minimum of five calibration levels with a correlation coefficient greater than 0.995.

The initial calibration, analyzed on 12 May 1996, met all the acceptance criteria. Although the curve for tetrachloroethylene met all the acceptance criteria, the high end of the curve had a slope that was to low to be useful for quantitation. There were no hits for this target analyte greater than the mid-level of the curve (500pg/µL). No qualifiers were assigned based on the initial calibration.

3.0 Continuing Calibration - Acceptable

The percent difference (%D) between the initial response and the continuing response for each compound must not exceed ± 35%. The absolute retention time of the compounds must be within ± 1.0% difference from retention times established during the initial calibration. Continuing calibration analyses should be done every 12 hours during the analytical sequence according to the method

Retention times were within the windows determined from the initial calibration and continuing calibration analyses were done every 12 hours. The applicable %D criteria for the continuing response values (analyst calculated %D against the true value, rather than area, as stated in the SAP) were met except several CCVs for trichloroethene. All associated samples were qualified as estimate (J or UJ).

4.0 Blanks: Acceptable

Instruments blanks were used extensively to determine if there is carryover from one sample to the next. No significant signs of carryover or cross contamination that would affect the samples was displayed. No qualifiers were assigned on the basis of blanks.

5.0 Analytical Sequence - Acceptable

Samples must be run following an initial calibration. Continuing calibration checks and instrument blanks must be run at least every 12 hours.

Continuing calibration standards and instrument blanks were run at the specified intervals. No qualifiers were assigned on the basis of analytical sequence..

6.0 Matrix Spike Analysis: Acceptable

Spiked bag control samples are used to document the efficiency of the sampling and analysis process. Recoveries should be within 50-150%.

A spiked bag was prepared and analyzed on 15 May 1996. The results were within the acceptance criteria.

7.0 Compound Identification - Acceptable

Compound identification is done by retention time matching of sample chromatograms to the chromatograms of standards. The retention times of the target Analyte found in the samples must be within ± 1.0%D from the retention time established from the initial calibration.

All retention times were within the windows determined from the initial calibration. No qualifiers were recommended on the basis of compound identification.

8.0 Compound Quantitation - Acceptable

All samples, standards, and blanks were calculated against the initial calibration and continuing calibrations.

Below are the definitions for the qualifiers used in the Inorganic area when qualifying data from Inorganic analysis.

DATA QUALIFIERS

U - Element was analyzed but not detected. The associated numerical value is the instrument detection limit/method detection limit.

P - The Analyte was detected above the Instrument Detection Limit, but not quantified within expected limits of precision. The laboratory has established minimum quantitation limits having a relative standard deviation of no more than 10%.

H - The samples were analyzed after the suggested holding times.

E - The reported value is an estimate because of the presence of interference. An explanatory note will be included with the report.

B - Analyte is found in the analytical blank and the sample indicating possible/probable blank contamination. If analytes are found in any of the associated procedural blanks, the concentration in the samples must be at least ten times the quantity observed in the blank. If the sample result fails these criteria, the sample result is qualified (B).

N - Spiked sample recovery not within control limits.

NAR - There is no analysis result for this Analyte.

NA - Not applicable/Not required.

S - Sample was analyzed by the method of standard additions.

+ - The sample was analyzed by method of standard additions and the correlation coefficient was less than 0.995

W - Post spike out of specified range, the sample was less than 50% the spike range, and the sample was less than 50% the spike added.

Manchester Environmental Laboratory
Final Report

Project Code:	FSP-005A	**Collected:**	5/13/96 16:15
Project Name:	COEUR d'ALENE	**Matrix:**	Air
Project Officer:	MARK ADER	**Sample Number:**	96203111
Account Code:	96T10PTFA10Q6LA00	**Type:**	Reg sample
Station Description:			

			Result	Units	Qlfr
FASP					
Parameter	: Volatiles				
Method	: FASP-037				
Prep Method	: 00	unspecified			
Analytes	: 127184	Tetrachloroethene	0.002	ug/L	U
	79016	Trichloroethene	0.004	ug/L	

96203111 Reg sample

Manchester Environmental Laboratory
Final Report

Project Code:	FSP-005A	**Collected:**	5/14/96 7:29
Project Name:	COEUR d'ALENE	**Matrix:**	Air
Project Officer:	MARK ADER	**Sample Number:**	96203112
Account Code:	96T10PTFA10Q6LA00	**Type:**	Reg sample
Station Description:			

			Result	Units	Qlfr
FASP					
Parameter	: Volatiles				
Method	: FASP-038				
Prep Method	: 00	unspecified			
Analytes	: 127184	Tetrachloroethene	0.002	ug/L	U
	79016	Trichloroethene	0.002	ug/L	UJ

Manchester Environmental Laboratory
Final Report

Project Code:	FSP-005A	Collected:	5/14/96 7:45
Project Name:	COEUR d'ALENE	Matrix:	Air
Project Officer:	MARK ADER	Sample Number:	96203113
Account Code:	96T10PTFA10Q6LA00	Type:	Reg sample
Station Description:			

			Result	Units	Qlfr
FASP					
Parameter	: Volatiles				
Method	: FASP-037				
Prep Method	: 00	unspecified			
Analytes	: 127184	Tetrachloroethene	72	%Rec	
	79016	Trichloroethene	63	%Rec	J

Manchester Environmental Laboratory
Final Report

Project Code:	FSP-005A	Collected:	5/14/96 14:12
Project Name:	COEUR d'ALENE	Matrix:	Air
Project Officer:	MARK ADER	Sample Number:	96203120
Account Code:	96T10PTFA10Q6LA00	Type:	Reg sample
Station Description:			

			Result	Units	Qlfr
FASP					
Parameter	: Volatiles				
Method	: FASP-037				
Prep Method	: 00	unspecified			
Analytes	: 127184	Tetrachloroethene	0.0026	ug/L	
	79016	Trichloroethene	0.002	ug/L	UJ

Manchester Environmental Laboratory
Final Report

Project Code:	FSP-005A	Collected:	5/15/96 9:32
Project Name:	COEUR d'ALENE	Matrix:	Air
Project Officer:	MARK ADER	Sample Number:	96203130
Account Code:	96T10PTFA10Q6LA00	Type:	Reg sample
Station Description:			

			Result	Units	Qlfr
FASP					
Parameter	: Volatiles				
Method	: FASP-038				
Prep Method	: 00	unspecified			
Analytes	: 127184	Tetrachloroethene	0.163	ug/L	
	79016	Trichloroethene	0.384	ug/L	

Manchester Environmental Laboratory
Final Report

Project Code:	FSP-005A	Collected:	5/15/96 13:18
Project Name:	COEUR d'ALENE	Matrix:	Air
Project Officer:	MARK ADER	Sample Number:	96203134
Account Code:	96T10PTFA10Q6LA00	Type:	Reg sample
Station Description:			

			Result	Units	Qlfr
FASP					
Parameter	: Volatiles				
Method	: FASP-038				
Prep Method	: 00	unspecified			
Analytes	: 127184	Tetrachloroethene	0.002	ug/L	U
	79016	Trichloroethene	0.0021	ug/L	

Manchester Environmental Laboratory
Final Report

Project Code:	FSP-005A	**Collected:**	5/16/96 10:36
Project Name:	COEUR d'ALENE	**Matrix:**	Air
Project Officer:	MARK ADER	**Sample Number:**	96203141
Account Code:	96T10PTFA10Q6LA00	**Type:**	Reg sample
Station Description:			

			Result	Units	Qlfr
FASP					
Parameter	: Volatiles				
Method	: FASP-038				
Prep Method	: 00	unspecified			
Analytes	: 127184	Tetrachloroethene	0.02	ug/L	U
	79016	Trichloroethene	0.0423	ug/L	J

Manchester Environmental Laboratory
Final Report

Project Code:	FSP-005A	**Collected:**	5/16/96 14:30
Project Name:	COEUR d'ALENE	**Matrix:**	Air
Project Officer:	MARK ADER	**Sample Number:**	96203143
Account Code:	96T10PTFA10Q6LA00	**Type:**	Reg sample
Station Description:			

			Result	Units	Qlfr
FASP					
Parameter	: Volatiles				
Method	: FASP-038				
Prep Method	: 00	unspecified			
Analytes	: 127184	Tetrachloroethene	0.01	ug/L	U
	79016	Trichloroethene	0.01	ug/L	UJ

Manchester Environmental Laboratory
Final Report

Project Code:	FSP-005A	**Collected:**	5/16/96 11:16
Project Name:	COEUR d'ALENE	**Matrix:**	Air
Project Officer:	MARK ADER	**Sample Number:**	96203142
Account Code:	96T10PTFA10Q6LA00	**Type:**	Reg sample
Station Description:			

FASP

Parameter : Volatiles
Method : FASP-037
Prep Method: NONE

			Result	Units	Qlfr
Analytes :	127184	Tetrachloroethene	0.01	ug/L	UJ
	79016	Trichloroethene	0.01	ug/L	U

Manchester Environmental Laboratory
Final Report

Project Code:	FSP-005A	**Collected:**	5/16/96 16:03
Project Name:	COEUR d'ALENE	**Matrix:**	Air
Project Officer:	MARK ADER	**Sample Number:**	96203145
Account Code:	96T10PTFA10Q6LA00	**Type:**	Reg sample
Station Description:			

			Result	Units	Qlfr
FASP					
Parameter	: Volatiles				
Method	: FASP-038				
Prep Method	: 00	unspecified			
Analytes	: 127184	Tetrachloroethene	0.01	ug/L	U
	79016	Trichloroethene	0.01	ug/L	UJ

Manchester Environmental Laboratory
Final Report

Project Code:	FSP-005A	**Collected:**	5/16/96 17:40
Project Name:	COEUR d'ALENE	**Matrix:**	Air
Project Officer:	MARK ADER	**Sample Number:**	96203147
Account Code:	96T10PTFA10Q6LA00	**Type:**	Reg sample
Station Description:			

			Result	Units	Qlfr
FASP					
Parameter	: Volatiles				
Method	: FASP-038				
Prep Method	: 00	unspecified			
Analytes	: 127184	Tetrachloroethene	0.002	ug/L	U
	79016	Trichloroethene	0.002	ug/L	UJ

Manchester Environmental Laboratory
Final Report

Project Code:	FSP-005A	Collected:	0:26
Project Name:	COEUR d'ALENE	Matrix:	Air
Project Officer:	MARK ADER	Sample Number:	96203149
Account Code:	96T10PTFA10Q6LA00	Type:	Reg sample
Station Description:			

			Result	Units	Qlfr
FASP					
Parameter	: Volatiles				
Method	: FASP-038				
Prep Method	: 00	unspecified			
Analytes	: 127184	Tetrachloroethene	0.002	ug/L	U
	79016	Trichloroethene	0.002	ug/L	UJ

Manchester Environmental Laboratory
Final Report

Project Code:	FSP-005A	**Collected:**	5/17/96 9:02
Project Name:	COEUR d'ALENE	**Matrix:**	Air
Project Officer:	MARK ADER	**Sample Number:**	96203150
Account Code:	96T10PTFA10Q6LA00	**Type:**	Reg sample
Station Description:			

			Result	Units	Qlfr
FASP					
Parameter	: Volatiles				
Method	: FASP-038				
Prep Method	: 00	unspecified			
Analytes	: 127184	Tetrachloroethene	0.002	ug/L	U
	79016	Trichloroethene	0.002	ug/L	UJ

Manchester Environmental Laboratory
Final Report

Project Code:	FSP-005A	Collected:	5/17/96 9:30
Project Name:	COEUR d'ALENE	Matrix:	Air
Project Officer:	MARK ADER	Sample Number:	96203151
Account Code:	96T10PTFA10Q6LA00	Type:	Reg sample
Station Description:			

			Result	Units	Qlfr
FASP					
Parameter	: Volatiles				
Method	: FASP-038				
Prep Method	: 00	unspecified			
Analytes	: 127184	Tetrachloroethene	0.002	ug/L	U
	79016	Trichloroethene	0.002	ug/L	UJ

Manchester Environmental Laboratory
Final Report

Project Code:	FSP-005A	**Collected:**	5/17/96 10:08
Project Name:	COEUR d'ALENE	**Matrix:**	Air
Project Officer:	MARK ADER	**Sample Number:**	96203152
Account Code:	96T10PTFA10Q6LA00	**Type:**	Reg sample
Station Description:			

FASP

Parameter : Volatiles
Method : FASP-038
Prep Method: 00 unspecified

Analytes			Result	Units	Qlfr
	127184	Tetrachloroethene	0.002	ug/L	U
	79016	Trichloroethene	0.002	ug/L	UJ

Manchester Environmental Laboratory
Final Report

Project Code:	FSP-005A	**Collected:**	5/17/96 10:51
Project Name:	COEUR d'ALENE	**Matrix:**	Air
Project Officer:	MARK ADER	**Sample Number:**	96203153
Account Code:	96T10PTFA10Q6LA00	**Type:**	Reg sample
Station Description:			

			Result	Units	Qlfr
FASP					
Parameter	: Volatiles				
Method	: FASP-038				
Prep Method	: 00	unspecified			
Analytes	: 127184	Tetrachloroethene	0.002	ug/L	U
	79016	Trichloroethene	0.002	ug/L	UJ

Manchester Environmental Laboratory
Final Report

Project Code:	FSP-005A	**Collected:**	5/17/96 13:32
Project Name:	COEUR d'ALENE	**Matrix:**	Air
Project Officer:	MARK ADER	**Sample Number:**	96203155
Account Code:	96T10PTFA10Q6LA00	**Type:**	Reg sample
Station Description:			

			Result	Units	Qlfr
FASP					
Parameter	: Volatiles				
Method	: FASP-038				
Prep Method	: 00	unspecified			
Analytes	: 127184	Tetrachloroethene	0.002	ug/L	U
	79016	Trichloroethene	0.002	ug/L	UJ

Manchester Environmental Laboratory
Final Report

Project Code:	FSP-005A	**Collected:**	5/17/96 14:15
Project Name:	COEUR d'ALENE	**Matrix:**	Air
Project Officer:	MARK ADER	**Sample Number:**	96203156
Account Code:	96T10PTFA10Q6LA00	**Type:**	Reg sample
Station Description:			

			Result	Units	Qlfr
FASP					
Parameter	: Volatiles				
Method	: FASP-038				
Prep Method	: 00	unspecified			
Analytes	: 127184	Tetrachloroethene	0.002	ug/L	U
	79016	Trichloroethene	0.002	ug/L	UJ

Manchester Environmental Laboratory
Final Report

Project Code:	FSP-005A	**Collected:**	5/17/96 14:47
Project Name:	COEUR d'ALENE	**Matrix:**	Air
Project Officer:	MARK ADER	**Sample Number:**	96203157
Account Code:	96T10PTFA10Q6LA00	**Type:**	Reg sample
Station Description:			

			Result	Units	Qlfr
FASP					
Parameter	: Volatiles				
Method	: FASP-038				
Prep Method	: 00	unspecified			
Analytes	: **127184**	**Tetrachloroethene**	**0.006**	**ug/L**	
	79016	Trichloroethene	0.002	ug/L	UJ

Manchester Environmental Laboratory
Final Report

Project Code:	FSP-005A	**Collected:**	5/17/96 15:19
Project Name:	COEUR d'ALENE	**Matrix:**	Air
Project Officer:	MARK ADER	**Sample Number:**	96203158
Account Code:	96T10PTFA10Q6LA00	**Type:**	Reg sample
Station Description:			

			Result	Units	Qlfr
FASP					
Parameter	: Volatiles				
Method	: FASP-038				
Prep Method	: 00	unspecified			
Analytes	: 127184	Tetrachloroethene	0.002	ug/L	U
	79016	Trichloroethene	0.002	ug/L	UJ

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 10 LABORATORY
7411 Beach Dr. East
Port Orchard, Washington 98366

July 25, 1996

MEMORANDUM

SUBJECT: Coeur d' Alene, Idaho, FASP Soil-Gas Data.

FROM: Gerald Muth, RPO
ESAT Contract, Region 10

TO: Mark Ader
Remedial Project Manager

The following is a QA review of the results for Soil-Gas analysis by FASP procedures for Geoprobe samples collected from the Couer d' Alene Groundwater site in Idaho.. This work was performed by the ESAT Team under TDF 3124 and delivered by Document Number ESAT-10a-9110

96213821	96213822	96213823	96213824	96213828
96213829	96213830	96213831	96213832	96213838
96213840				

DATA QUALIFICATIONS

The following comments refer to the ESAT Team's performance in meeting quality control specifications outlined in the CLP Statement of Work (CLP-SOW) for Organic Analysis, rev. ILMO3.0, the Manchester Environmental Laboratory Quality Assurance Manual, revision 5/88, the ESAT Field Analytical Support Project (FASP) Standard Operating Procedures Manual and the Sampling and Analysis Plan prepared for the Coeur d' Alene Groundwater site. The recommendations presented herein are based on the information provided for the review.

1.0 Timeliness: Acceptable

The technical holding time for the analysis of soil-gas samples collected onto a Vocarb trap or Tedlar bag is 24 and four hours respectively

All samples were analyzed within the technical holding times.

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2.0 Initial Calibration: Acceptable

The initial calibration, analyzed on 21 May 1996, met all the acceptance criteria.

3.0 Continuing Calibration - Acceptable

The percent difference (%D) between the initial response and the continuing response for each compound must not exceed ± 35%. The absolute retention time of the compounds must be within ± 1.0% difference from retention times established during the initial calibration. Continuing calibration analyses should be done every 12 hours during the analytical sequence according to the method

Acceptance criteria were met for the continuing calibrations except the following: The continuing calibration verification standard analyzed at the end of the analytical sequence on 23 May 1996 had a %D of -53.9% for trichloroethylene. Associated samples were qualified as estimated (J).

4.0 Blanks: Acceptable

Instruments blanks were used extensively to determine if there is carryover from one sample to the next. No significant signs of carryover or cross contamination that would affect the samples was displayed. No qualifiers were assigned on the basis of blanks.

5.0 Analytical Sequence - Acceptable

Samples must be run following an initial calibration. Continuing calibration checks and instrument blanks must be run at least every 12 hours.

Continuing calibration standards and instrument blanks were run at the specified intervals. No qualifiers were assigned on the basis of analytical sequence..

6.0 Matrix Spike Analysis: Acceptable

Spiked bag control samples are used to document the efficiency of the sampling and analysis process. Recoveries should be within 50-150%.

A spiked bag was prepared. The results were within the acceptance criteria.

7.0 Compound Identification - Acceptable

Compound identification is done by retention time matching of sample chromatograms to the chromatograms of standards. The retention times of the target Analyte found in the samples must be within ± 1.0%D from the retention time established from the initial calibration.

All retention times were within the windows determined from the initial calibration. No qualifiers were recommended on the basis of compound identification.

8.0 Compound Quantitation - Acceptable

All samples, standards, and blanks were calculated against the initial calibration of 21 May 1996. The following samples were qualified as estimated (J) for trichloroethylene due to response values exceeding the linear range of the calibration curve: 96213822, 96213823, and 96213832.

Below are the definitions for the qualifiers used in the Inorganic area when qualifying data from Inorganic analysis.

DATA QUALIFIERS

U - Element was analyzed but not detected. The associated numerical value is the instrument detection limit/method detection limit.

P - The Analyte was detected above the Instrument Detection Limit, but not quantified within expected limits of precision. The laboratory has established minimum quantitation limits having a relative standard deviation of no more than 10%.

H - The samples were analyzed after the suggested holding times.

E - The reported value is an estimate because of the presence of interference. An explanatory note will be included with the report.

B - Analyte is found in the analytical blank and the sample indicating possible/probable blank contamination. If analytes are found in any of the associated procedural blanks, the concentration in the samples must be at least ten times the quantity observed in the blank. If the sample result fails these criteria, the sample result is qualified (B).

N - Spiked sample recovery not within control limits.

NAR - There is no analysis result for this Analyte.

NA - Not applicable/Not required.

S - Sample was analyzed by the method of standard additions.

+ - The sample was analyzed by method of standard additions and the correlation coefficient was less than 0.995.

W - Post spike out of specified range, the sample was less than 50% the spike range, and the sample was less than 50% the spike added.

Manchester Environmental Laboratory
Final Report

Project Code:	FSP-005A	**Collected:**	5/21/96 14:07
Project Name:	COEUR d'ALENE	**Matrix:**	Air
Project Officer:	MARK ADER	**Sample Number:**	96213821
Account Code:	96T10PTFA10Q6LA00	**Type:**	Reg sample
Station Description:			

			Result	Units	Qlfr
FASP					
Parameter	: Volatiles				
Method	: FASP-038				
Prep Method	: 00	unspecified			
Analytes	: 127184	Tetrachloroethene	0.006	ug/L	U
	79016	Trichloroethene	0.006	ug/L	U

96213821 Reg sample

Manchester Environmental Laboratory
Final Report

Project Code:	FSP-005A	Collected:	5/21/96 14:43
Project Name:	COEUR d'ALENE	Matrix:	Air
Project Officer:	MARK ADER	Sample Number:	96213822
Account Code:	96T10PTFA10Q6LA00	Type:	Reg sample
Station Description:			

FASP

Parameter : Volatiles
Method : FASP-038
Prep Method: 00 unspecified

Analytes				Result	Units	Qlfr
	127184	Tetrachloroethene	0.3	~~0.006~~	ug/L	U
	79016	Trichloroethene		1.21	ug/L	J

DATA ERROR
SEE DATA
VALIDATION MEMO
11/8/96

Manchester Environmental Laboratory
Final Report

Project Code:	FSP-005A	**Collected:**	5/21/96 0:00
Project Name:	COEUR d'ALENE	**Matrix:**	Air
Project Officer:	MARK ADER	**Sample Number:**	96213823
Account Code:	96T10PTFA10Q6LA00	**Type:**	Reg sample
Station Description:			

			Result	Units	Qlfr
FASP					
Parameter	: Volatiles				
Method	: FASP-038				
Prep Method	: 00	unspecified			
Analytes	: 127184	Tetrachloroethene	0.30	ug/L	U
	79016	Trichloroethene	1.06	ug/L	J

Manchester Environmental Laboratory
Final Report

Project Code:	FSP-005A	Collected:	5/21/96 16:44
Project Name:	COEUR d'ALENE	Matrix:	Air
Project Officer:	MARK ADER	Sample Number:	96213824
Account Code:	96T10PTFA10Q6LA00	Type:	Reg sample
Station Description:			

			Result	Units	Qlfr
FASP					
Parameter	: Volatiles				
Method	: FASP-038				
Prep Method	: 00	unspecified			
Analytes	: 127184	Tetrachloroethene	0.006	ug/L	U
	79016	Trichloroethene	0.006	ug/L	U

DATA ERROR
SEE DATA VALIDATION MEMO
11/8/96

Manchester Environmental Laboratory
Final Report

Project Code:	FSP-005A	**Collected:**	5/21/96 13:24
Project Name:	COEUR d'ALENE	**Matrix:**	Air
Project Officer:	MARK ADER	**Sample Number:**	96213828
Account Code:	96T10PTFA10Q6LA00	**Type:**	Reg sample
Station Description:			

			Result	Units	Qlfr
FASP					
Parameter	: Volatiles				
Method	: FASP-038				
Prep Method	: 00	unspecified			
Analytes	: 127184	Tetrachloroethene	0.06	ug/L	U
	79016	Trichloroethene	0.06	ug/L	U

Manchester Environmental Laboratory
Final Report

Project Code:	FSP-005A	**Collected:**	5/22/96 14:09
Project Name:	COEUR d'ALENE	**Matrix:**	Air
Project Officer:	MARK ADER	**Sample Number:**	96213829
Account Code:	96T10PTFA10Q6LA00	**Type:**	Reg sample
Station Description:			

			Result	Units	Qlfr
FASP					
Parameter	: Volatiles				
Method	: FASP-038				
Prep Method	: 00	unspecified			
Analytes	: 127184	Tetrachloroethene	0.03	ug/L	U
	79016	Trichloroethene	0.06	ug/L	

Manchester Environmental Laboratory
Final Report

Project Code:	FSP-005A	**Collected:**	5/22/96 14:52
Project Name:	COEUR d'ALENE	**Matrix:**	Air
Project Officer:	MARK ADER	**Sample Number:**	96213830
Account Code:	96T10PTFA10Q6LA00	**Type:**	Reg sample
Station Description:			

FASP

Parameter : Volatiles
Method : FASP-038
Prep Method: 00 unspecified

Analytes		Result	Units	Qlfr
127184	Tetrachloroethene	0.03	ug/L	U
79016	Trichloroethene	0.06	ug/L	

Manchester Environmental Laboratory
Final Report

Project Code:	FSP-005A	**Collected:**	5/22/96 15:35
Project Name:	COEUR d'ALENE	**Matrix:**	Air
Project Officer:	MARK ADER	**Sample Number:**	96213831
Account Code:	96T10PTFA10Q6LA00	**Type:**	Reg sample
Station Description:			

			Result	Units	Qlfr
FASP					
Parameter	: Volatiles				
Method	: FASP-038				
Prep Method	: 00	unspecified			
Analytes	: 127184	Tetrachloroethene	0.03	ug/L	U
	79016	Trichloroethene	0.03	ug/L	U

Manchester Environmental Laboratory
Final Report

Project Code:	FSP-005A	**Collected:**	5/22/96 16:20
Project Name:	COEUR d'ALENE	**Matrix:**	Air
Project Officer:	MARK ADER	**Sample Number:**	96213832
Account Code:	96T10PTFA10Q6LA00	**Type:**	Reg sample
Station Description:			

			Result	Units	Qlfr
FASP					
Parameter	: Volatiles				
Method	: FASP-038				
Prep Method	: 00	unspecified			
Analytes	: 127184	Tetrachloroethene	0.06	ug/L	U
	79016	Trichloroethene	0.28	ug/L	J

Manchester Environmental Laboratory
Final Report

Project Code:	FSP-005A	**Collected:**	5/23/96 10:16
Project Name:	COEUR d'ALENE	**Matrix:**	Air
Project Officer:	MARK ADER	**Sample Number:**	96213838
Account Code:	96T10PTFA10Q6LA00	**Type:**	Reg sample
Station Description:			

			Result	Units	Qlfr
FASP					
Parameter	: Volatiles				
Method	: FASP-038				
Prep Method	: 00	unspecified			
Analytes	: 127184	Tetrachloroethene	79	%Rec	
	79016	Trichloroethene	75	%Rec	J

Manchester Environmental Laboratory
Final Report

Project Code:	FSP-005A	**Collected:**	5/23/96 10:57
Project Name:	COEUR d'ALENE	**Matrix:**	Air
Project Officer:	MARK ADER	**Sample Number:**	96213840
Account Code:	96T10PTFA10Q6LA00	**Type:**	Reg sample
Station Description:			

FASP

Parameter : Volatiles
Method :
Prep Method:

Analytes			Result	Units	Qlfr
	127184	Tetrachloroethene	0.006	ug/L	U
	79016	Trichloroethene	0.006	ug/L	UJ

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 10 LABORATORY
7411 Beach Dr. East
Port Orchard, Washington 98366

July 17, 1996

MEMORANDUM

SUBJECT: Report of Data Validation of FASP VOA Results for the Coeur d'Alene ESI Project Samples 96213843, 96213845, 96213846, and 96213850

FROM: Gerald H. Dodo, Chemist
USEPA

TO: Mark Ader, Project Officer
USEPA

CC: Mark Longtine, E&E

The following is a QA data validation report of the selected VOA analyses' results for water and soil gas samples collected for the Coeur d'Alene ESI project. The soil gas samples were collected in tedlar bags. The samples were collected and analyzed for selected chlorinated VOAs using the FASP methods described in the "ESAT Sampling and Analysis Plan and Site Safety Plan," 5/96 (document 10A-9507) by the USEPA Region 10 Laboratory ESAT staff at the site location. As a modification, the water sample was analyzed using an external instead of internal standard technique. The analyses' results were delivered as ESAT document number ESAT-10A-9121 under Technical Direction Form 3124. This report covers the samples listed above.

The project code for these samples is FSP-005A and the account number is 10PTFA10Q6.

Data qualifications

The following comments refer to laboratory performance meeting the Quality Control specifications outlined in the "ESAT Sampling and Analysis Plan and Site Safety Plan," 5/96 (document 10A-9507) and the USEPA Laboratory Data Validation Functional Guidelines for Evaluating Organics Analyses (12/94).

I. Holding Times: Acceptable

The water sample was analyzed within the 7-day holding time. All soil gas samples were analyzed within the 4-hour holding time

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for tedlar bags. No qualifiers were applied based on holding times.

II. GC/MS Tuning and Performance:

The tuning summary agreed with the raw data. All bromofluorobenzene ion abundance met criteria. Sample analyses were preceded by a tune less than 12 hours prior to analysis except for sample 96213850. This sample was analyzed one hour past the 12-hour period which was not judged to be significant. No qualifiers were applied based on the tuning results.

III. Initial Calibration: Acceptable

A three-point initial calibration was performed on 05/23/96 for the target compounds. All calibration curves resulted with $r^2 \geq 0.995$. No qualifiers were applied based on the initial calibration.

IV. Continuing Calibration:

The continuing calibration check standards met the criteria for frequency of analysis and RRT windows for all target compounds. The calculation of the % recoveries was checked and the calculation method was correct. The recoveries for the target compounds met the criteria of 65-135% except for the following:

05/23/96 Samples 96213843, 96213845, 96213846, and 96213850.

1,1-dichloroethane, cis-1,2-dichloroethene, 1,1,1-trichloroethane, trichloroethene, tetrachloroethene, and 1,1,1,2-tetrachloroethane resulted with recoveries <65% for the continuing calibration check standard analyzed after the initial calibration and most of the samples. The associated results for these compounds were qualified J if detected and UJ if non-detected.

V. Blanks: Acceptable

Instrument blanks were analyzed frequently to verify that the instrument was clean before sample analyses. No significant amounts of the target compounds were detected in the blanks just prior to sample analyses.

VI. Matrix Spike/Matrix Spike Duplicate (MS/MSD):

An MS/MSD pair was not analyzed with this set of samples.

VII. Target Compound Identification: Acceptable

All detected target compounds' relative retention times were within acceptable limits. Criteria were met for mass spectral ion matching and ion abundance matching or the mass spectra were judged acceptable.

VIII. Compound Quantitation:

Compound quantitation was evaluated and found to be correct. Tetrachloroethene was detected in sample 96213843 at a level below the lowest calibration concentration of the initial calibration curve. Since the Practical Quantitation Limit is based on this lowest initial calibration standard, this value was assigned the J qualifier.

Overall Assessment for the Case

The usefulness of the data is based on the criteria outlined in the "ESAT Sampling and Analysis Plan and Site Safety Plan," 5/96, and the USEPA Laboratory Data Validation Functional Guidelines for Evaluating Organics Analyses (12/94).

All requirements for data qualifiers from the preceding sections were accumulated. Each sample data summary sheet and each compound was checked for positive or negative results. From this the overall need for data qualifiers for each analysis was determined. In cases where more than one of the preceding sections required data qualifiers, the most restrictive qualifier has been added to the data.

In general, all unqualified results can be used in the manner intended for field analytical methods analyses. The usefulness of qualified data should be treated according to the severity of the qualifier. Should questions arise regarding the qualification of data and its relation to the usefulness, the reader is encouraged to contact the Region 10 laboratory.

DATA QUALIFIERS

U	-	The analyte was not detected at or above the reported result.
J	-	The analyte was positively identified. The associated numerical result is an estimate.
EXP	-	The result is equal to the number before EXP times 10 to the power of the number after EXP. As an example 3EXP6 equals 3×10^6.
REJ	-	The data are unusable for all purposes.
N	-	There is evidence the analyte is present in this sample.
NJ	-	There is evidence that the analyte is present. The associated numerical result is an estimate.
UJ	-	The analyte was not detected at or above the reported estimated result. The associated numerical value is an estimate of the quantitation limit of the analyte in this sample.
NAF	-	Not analyzed for.
NAR	-	No analytical result.
*	-	The analyte was present in the sample. (Visual aid to locate detected compounds on the report sheet.)

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 10 LABORATORY
7411 Beach Dr. East
Port Orchard, Washington 98366

July 16, 1996

MEMORANDUM

SUBJECT: Report of Data Validation of VOA Results for the Coeur d'Alene ESI Project Samples 96213813, 96213814, 96213815, 96213816, 96213817, 96213818, 96213819, 96213820, 96213834, 96213847, 96213848, and 96213849

FROM: Gerald H. Dodo, Chemist
USEPA

TO: Mark Ader, Project Officer
USEPA

CC: Mark Longtine, E&E

The following is a QA data validation report of the VOA analyses' results for soil samples collected for the Coeur d'Alene ESI project. The samples were meant to be analyzed at the site location using the FASP methods described in the "ESAT Sampling and Analysis Plan and Site Safety Plan," 5/96 (document 10A-9507). Due to the lack of time at the site location, the samples were instead transferred to the Manchester Environmental Laboratory then analyzed for the project's selected chlorinated VOAs using a modified SW846 Method 8260A by the USEPA Region 10 Laboratory ESAT staff. The analyses' results were delivered as ESAT document number ESAT-10A-9131 under Technical Direction Form 3124. The results were reported on a wet weight basis just as the results for soil samples analyzed on-site. This report covers the samples listed above.

The project code for these samples is FSP-005A and the account number is 10PTFA10Q6.

Data qualifications

The following comments refer to laboratory performance meeting the Quality Control specifications outlined in the "ESAT Sampling and Analysis Plan and Site Safety Plan," 5/96 (document 10A-9507) and the USEPA Laboratory Data Validation Functional Guidelines for Evaluating Organics Analyses (12/94).

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I. Holding Times: Acceptable

All samples were analyzed within the 14-day holding time for soils. No qualifiers were applied based on holding times.

II. GC/MS Tuning and Performance: Acceptable

The tuning summary agreed with the raw data. All bromofluorobenzene ion abundance met criteria. Sample analyses were preceded by a tune less than 12 hours prior to analysis.

III. Initial Calibration: Acceptable

A six-point initial calibration was performed on 05/28/96 for the target compounds. All calibration curves resulted with $r^2 \geq 0.995$. All average relative response factors (RRFs) met the criteria of ≥ 0.05. All percent relative standard deviations (%RSDs) of the RRFs met the criteria of $\leq 30\%$. No qualifiers were applied based on the initial calibration.

IV. Continuing Calibration:

The continuing calibration check standards met the criteria for frequency of analysis and RRT windows for all target compounds. The calculation of the % recoveries was checked and the calculation method was correct. The RRFs were ≥ 0.05 and the recoveries for the target compounds met the criteria of 65-135% except for the following:

05/29/96 Samples 96213813, 96213814, 96213815, and 96213816.

Vinyl chloride resulted with a recovery >135%. The associated detected results for these compounds were qualified J.

05/30/96 Samples 96213817, 96213818, 96213819, 96213820, 96213834, 96213847, 96213848, 96213849, and Matrix Spike 96213819S1.

Vinyl chloride resulted with a recovery >135%. The associated detected results for these compounds were qualified J.

V. Blanks:

A blank was analyzed prior to the analysis of the samples and matrix spikes. Compounds detected in the sample were reported without qualification if the sample result area integration exceeded five times that of the blank for target compounds. Detected sample results were qualified U if the area integration was below this criterion. The sample concentration

or the laboratory quantitation limit (QL), whichever is greater, was reported as the qualified result.

VI. Surrogates:

The surrogate recoveries met the CLP Statement of Work specifications for samples, blanks, and matrix spike except for 1,2-dichloroethane-d4 for samples 96213819 and 96213820. This surrogate's recoveries for both samples were above the applied criteria. Since the target compounds were not detected in these samples, no qualifiers were applied since the high recoveries do not indicate a problem with the reported quantitation limits.

VII. Matrix Spike/Matrix Spike Duplicate (MS/MSD):

An MS/MSD pair was analyzed using sample 96213819 (96213819S1/S2). The MS/MSD criteria as described in the CLP Statement of Work and the Region 10 acceptance ranges (50-150% recovery, ≤50% relative percent difference, RPD) were applied. No results were obtained for 96213819S2 due to an instrument failure during analysis. All recoveries met the applied criteria. No qualifiers were applied based on the MS/MSD results.

VIII. Internal Standards:

The retention time variations of all internal standards were within acceptable limits of the continuing calibration standards. The %areas of all internal standards were within the specified 50% to 200% of the continuing calibration standards except for sample 96213819. All internal standards' areas for the analysis of this sample were <50% of the areas from the continuing calibration standard. The results for this sample were qualified J if detected and UJ if non-detected.

IX. Target Compound Identification: Acceptable

All detected target compounds' relative retention times were within acceptable limits. Criteria were met for mass spectral ion matching and ion abundance matching or the mass spectra were judged acceptable.

X. Compound Quantitation:

Compound quantitation was evaluated and found to be correct. Some compounds were detected in this sample set at levels below the lowest calibration concentration of the initial calibration curve. Since the Practical Quantitation Limit is based on this

lowest initial calibration standard, these values were assigned the J qualifier.

Overall Assessment for the Case

The usefulness of the data is based on the criteria outlined in the "ESAT Sampling and Analysis Plan and Site Safety Plan," 5/96, and the USEPA Laboratory Data Validation Functional Guidelines for Evaluating Organics Analyses (12/94).

All requirements for data qualifiers from the preceding sections were accumulated. Each sample data summary sheet and each compound was checked for positive or negative results. From this the overall need for data qualifiers for each analysis was determined. In cases where more than one of the preceding sections required data qualifiers, the most restrictive qualifier has been added to the data.

In general, all unqualified results can be used in the manner intended for field analytical methods analyses. The usefulness of qualified data should be treated according to the severity of the qualifier. Should questions arise regarding the qualification of data and its relation to the usefulness, the reader is encouraged to contact the Region 10 laboratory.

DATA QUALIFIERS

U	-	The analyte was not detected at or above the reported result.
J	-	The analyte was positively identified. The associated numerical result is an estimate.
EXP	-	The result is equal to the number before EXP times 10 to the power of the number after EXP. As an example 3EXP6 equals 3×10^6.
REJ	-	The data are unusable for all purposes.
N	-	There is evidence the analyte is present in this sample.
NJ	-	There is evidence that the analyte is present. The associated numerical result is an estimate.
UJ	-	The analyte was not detected at or above the reported estimated result. The associated numerical value is an estimate of the quantitation limit of the analyte in this sample.
NAF	-	Not analyzed for.
NAR	-	No analytical result.
*	-	The analyte was present in the sample. (Visual aid to locate detected compounds on the report sheet.)

Manchester Environmental Laboratory
Final Report

Project Code: FSP-005A
Project Name: COEUR d'ALENE
Project Officer: MARK ADER
Account Code: 96T10PTFA10Q6LA00
Station Description:

Collected: 0:25
Matrix: Solid
Sample Number: 96213813
Type: Reg sample

			Result	Units	Qlfr
FASP					
Parameter :	Volatiles				
Method :	FASP-037				
Prep Method:	00	unspecified			
Analytes :	630206	1,1,1,2-Tetrachloroethane	1.00	ug/Kg	U
	71556	1,1,1-Trichloroethane	1.00	ug/Kg	U
	79005	1,1,2-Trichloroethane	1.00	ug/Kg	U
	75343	1,1-Dichloroethane	1.00	ug/Kg	U
	75354	1,1-dichloroethene	1.00	ug/Kg	U
	107062	1,2-Dichloroethane	1.00	ug/Kg	U
	156592	cis-1,2-Dichloroethene	1.00	ug/Kg	U
	79345	Ethane, 1,1,2,2-tetrachl	1.00	ug/Kg	U
	127184	Tetrachloroethene	1.00	ug/Kg	U
	156605	trans-1,2-Dichloroethene	1.00	ug/Kg	U
	79016	Trichloroethene	1.00	ug/Kg	U
	75014	Vinyl Chloride	1.00	ug/Kg	U

Manchester Environmental Laboratory
Final Report

Project Code: FSP-005A
Project Name: COEUR d'ALENE
Project Officer: MARK ADER
Account Code: 96T10PTFA10Q6LA00
Station Description:

Collected: 5/21/96 8:00
Matrix: Solid
Sample Number: 96213814
Type: Reg sample

FASP

Parameter : Volatiles
Method :
Prep Method:

Analytes			Result	Units	Qlfr
	630206	1,1,1,2-Tetrachloroethane	0.96	ug/Kg	U
	71556	1,1,1-Trichloroethane	0.96	ug/Kg	U
	79005	1,1,2-Trichloroethane	0.96	ug/Kg	U
	75343	1,1-Dichloroethane	0.96	ug/Kg	U
	75354	1,1-dichloroethene	0.96	ug/Kg	U
	107062	1,2-Dichloroethane	0.96	ug/Kg	U
	156592	cis-1,2-Dichloroethene	0.96	ug/Kg	U
	79345	Ethane, 1,1,2,2-tetrachl	0.96	ug/Kg	U
	127184	Tetrachloroethene	0.96	ug/Kg	U
	156605	trans-1,2-Dichloroethene	0.96	ug/Kg	U
	79016	Trichloroethene	0.96	ug/Kg	U
	75014	Vinyl Chloride	0.96	ug/Kg	U

Manchester Environmental Laboratory
Final Report

Project Code:	FSP-005A	**Collected:**	5/21/96 8:25
Project Name:	COEUR d'ALENE	**Matrix:**	Solid
Project Officer:	MARK ADER	**Sample Number:**	96213815
Account Code:	96T10PTFA10Q6LA00	**Type:**	Reg sample
Station Description:			

FASP

Parameter : Volatiles
Method :
Prep Method:

Analytes		Result	Units	Qlfr
630206	1,1,1,2-Tetrachloroethane	0.99	ug/Kg	U
71556	1,1,1-Trichloroethane	0.99	ug/Kg	U
79005	1,1,2-Trichloroethane	0.99	ug/Kg	U
75343	1,1-Dichloroethane	0.99	ug/Kg	U
75354	1,1-dichloroethene	0.99	ug/Kg	U
107062	1,2-Dichloroethane	0.99	ug/Kg	U
156592	cis-1,2-Dichloroethene	0.99	ug/Kg	U
79345	Ethane, 1,1,2,2-tetrachl	0.99	ug/Kg	U
127184	Tetrachloroethene	0.99	ug/Kg	U
156605	trans-1,2-Dichloroethene	0.99	ug/Kg	U
79016	Trichloroethene	0.99	ug/Kg	U
75014	Vinyl Chloride	0.99	ug/Kg	U

Manchester Environmental Laboratory
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Project Code:	FSP-005A	**Collected:**	5/21/96 8:59
Project Name:	COEUR d'ALENE	**Matrix:**	Solid
Project Officer:	MARK ADER	**Sample Number:**	96213816
Account Code:	96T10PTFA10Q6LA00	**Type:**	Reg sample
Station Description:			

FASP

Parameter : Volatiles
Method :
Prep Method:

Analytes		Result	Units	Qlfr
630206	1,1,1,2-Tetrachloroethane	1.0	ug/Kg	U
71556	1,1,1-Trichloroethane	1.0	ug/Kg	U
79005	1,1,2-Trichloroethane	1.0	ug/Kg	U
75343	1,1-Dichloroethane	1.0	ug/Kg	U
75354	1,1-dichloroethene	1.0	ug/Kg	U
107062	1,2-Dichloroethane	1.0	ug/Kg	U
156592	cis-1,2-Dichloroethene	1.0	ug/Kg	U
79345	Ethane, 1,1,2,2-tetrachl	1.0	ug/Kg	U
127184	Tetrachloroethene	1.0	ug/Kg	U
156605	trans-1,2-Dichloroethene	1.0	ug/Kg	U
79016	Trichloroethene	1.0	ug/Kg	U
75014	Vinyl Chloride	1.0	ug/Kg	U

Manchester Environmental Laboratory
Final Report

Project Code: FSP-005A
Project Name: COEUR d'ALENE
Project Officer: MARK ADER
Account Code: 96T10PTFA10Q6LA00
Station Description:

Collected: 5/21/96 9:25
Matrix: Solid
Sample Number: 96213817
Type: Reg sample

FASP

Parameter : Volatiles
Method :
Prep Method:

Analytes			Result	Units	Qlfr
	630206	1,1,1,2-Tetrachloroethane	0.98	ug/Kg	U
	71556	1,1,1-Trichloroethane	0.98	ug/Kg	U
	79005	1,1,2-Trichloroethane	0.98	ug/Kg	U
	75343	1,1-Dichloroethane	0.98	ug/Kg	U
	75354	1,1-dichloroethene	0.98	ug/Kg	U
	107062	1,2-Dichloroethane	0.98	ug/Kg	U
	156592	cis-1,2-Dichloroethene	0.98	ug/Kg	U
	79345	Ethane, 1,1,2,2-tetrachl	0.98	ug/Kg	U
	127184	Tetrachloroethene	0.98	ug/Kg	U
	156605	trans-1,2-Dichloroethene	0.98	ug/Kg	U
	79016	Trichloroethene	0.98	ug/Kg	U
	75014	Vinyl Chloride	0.98	ug/Kg	U

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Final Report

Project Code: FSP-005A
Project Name: COEUR d'ALENE
Project Officer: MARK ADER
Account Code: 96T10PTFA10Q6LA00
Station Description:

Collected: 5/21/96 10:01
Matrix: Solid
Sample Number: 96213818
Type: Reg sample

FASP

Parameter : Volatiles
Method :
Prep Method:

Analytes		Result	Units	Qlfr
630206	1,1,1,2-Tetrachloroethane	0.98	ug/Kg	U
71556	1,1,1-Trichloroethane	0.98	ug/Kg	U
79005	1,1,2-Trichloroethane	0.98	ug/Kg	U
75343	1,1-Dichloroethane	0.98	ug/Kg	U
75354	1,1-dichloroethene	0.98	ug/Kg	U
107062	1,2-Dichloroethane	0.98	ug/Kg	U
156592	cis-1,2-Dichloroethene	0.98	ug/Kg	U
79345	Ethane, 1,1,2,2-tetrachl	0.98	ug/Kg	U
127184	Tetrachloroethene	0.98	ug/Kg	U
156605	trans-1,2-Dichloroethene	0.98	ug/Kg	U
79016	Trichloroethene	0.98	ug/Kg	U
75014	Vinyl Chloride	0.98	ug/Kg	U

Manchester Environmental Laboratory
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Project Code:	FSP-005A	**Collected:**	5/21/96 10:26
Project Name:	COEUR d'ALENE	**Matrix:**	Solid
Project Officer:	MARK ADER	**Sample Number:**	96213819
Account Code:	96T10PTFA10Q6LA00	**Type:**	Reg sample
Station Description:			

FASP

Parameter : Volatiles
Method :
Prep Method:

Analytes		Result	Units	Qlfr
630206	1,1,1,2-Tetrachloroethane	1.0	ug/Kg	UJ
71556	1,1,1-Trichloroethane	1.0	ug/Kg	UJ
79005	1,1,2-Trichloroethane	1.0	ug/Kg	UJ
75343	1,1-Dichloroethane	1.0	ug/Kg	UJ
75354	1,1-dichloroethene	1.0	ug/Kg	UJ
107062	1,2-Dichloroethane	1.0	ug/Kg	UJ
156592	cis-1,2-Dichloroethene	1.0	ug/Kg	UJ
79345	Ethane, 1,1,2,2-tetrachl	1.0	ug/Kg	UJ
127184	Tetrachloroethene	1.0	ug/Kg	UJ
156605	trans-1,2-Dichloroethene	1.0	ug/Kg	UJ
79016	Trichloroethene	1.0	ug/Kg	UJ
75014	Vinyl Chloride	1.0	ug/Kg	UJ

Manchester Environmental Laboratory
Final Report

Project Code: FSP-005A
Project Name: COEUR d'ALENE
Project Officer: MARK ADER
Account Code: 96T10PTFA10Q6LA00
Station Description:

Collected:
Matrix: Solid
Sample Number: 96213819
Type: Matrix Spike

			Result	Units	Qlfr
FASP					
Parameter :	Volatiles				
Method :					
Prep Method:					
Analytes :	630206	1,1,1,2-Tetrachloroethane	81.60	%Rec	
	71556	1,1,1-Trichloroethane	76.76	%Rec	
	79005	1,1,2-Trichloroethane	97.36	%Rec	
	75343	1,1-Dichloroethane	83.12	%Rec	
	75354	1,1-dichloroethene	79.33	%Rec	
	107062	1,2-Dichloroethane	92.22	%Rec	
	156592	cis-1,2-Dichloroethene	78.89	%Rec	
	79345	Ethane, 1,1,2,2-tetrachl	110.67	%Rec	
	127184	Tetrachloroethene	79.93	%Rec	
	156605	trans-1,2-Dichloroethene	78.51	%Rec	
	79016	Trichloroethene	82.27	%Rec	
	75014	Vinyl Chloride	66.29	%Rec	J

Manchester Environmental Laboratory
Final Report

Project Code:	FSP-005A	**Collected:**	5/21/96 11:05
Project Name:	COEUR d'ALENE	**Matrix:**	Solid
Project Officer:	MARK ADER	**Sample Number:**	96213820
Account Code:	96T10PTFA10Q6LA00	**Type:**	Reg sample
Station Description:			

FASP

Parameter : Volatiles
Method :
Prep Method:

Analytes		Result	Units	Qlfr
630206	1,1,1,2-Tetrachloroethane	0.96	ug/Kg	U
71556	1,1,1-Trichloroethane	0.96	ug/Kg	U
79005	1,1,2-Trichloroethane	0.96	ug/Kg	U
75343	1,1-Dichloroethane	0.96	ug/Kg	U
75354	1,1-dichloroethene	0.96	ug/Kg	U
107062	1,2-Dichloroethane	0.96	ug/Kg	U
156592	cis-1,2-Dichloroethene	0.96	ug/Kg	U
79345	Ethane, 1,1,2,2-tetrachl	0.96	ug/Kg	U
127184	Tetrachloroethene	0.96	ug/Kg	U
156605	trans-1,2-Dichloroethene	0.96	ug/Kg	U
79016	Trichloroethene	0.96	ug/Kg	U
75014	Vinyl Chloride	0.96	ug/Kg	U

Manchester Environmental Laboratory
Final Report

Project Code: FSP-005A
Project Name: COEUR d'ALENE
Project Officer: MARK ADER
Account Code: 96T10PTFA10Q6LA00
Station Description:

Collected: 0:57
Matrix: Solid
Sample Number: 96213834
Type: Reg sample

FASP

Parameter : Volatiles
Method :
Prep Method:

Analytes			Result	Units	Qlfr
	630206	1,1,1,2-Tetrachloroethane	0.96	ug/Kg	U
	71556	1,1,1-Trichloroethane	0.96	ug/Kg	U
	79005	1,1,2-Trichloroethane	0.96	ug/Kg	U
	75343	1,1-Dichloroethane	0.96	ug/Kg	U
	75354	1,1-dichloroethene	0.96	ug/Kg	U
	107062	1,2-Dichloroethane	0.96	ug/Kg	U
	156592	cis-1,2-Dichloroethene	0.96	ug/Kg	U
	79345	Ethane, 1,1,2,2-tetrachl	0.96	ug/Kg	U
	127184	Tetrachloroethene	0.96	ug/Kg	U
	156605	trans-1,2-Dichloroethene	0.96	ug/Kg	U
	79016	Trichloroethene	0.96	ug/Kg	U
	75014	Vinyl Chloride	0.96	ug/Kg	U

Manchester Environmental Laboratory
Final Report

Project Code:	FSP-005A	**Collected:**	5/23/96 14:02
Project Name:	COEUR d'ALENE	**Matrix:**	Air
Project Officer:	MARK ADER	**Sample Number:**	96213843
Account Code:	96T10PTFA10Q6LA00	**Type:**	Reg sample
Station Description:	HNU:0.5 PPN		

FASP

Parameter : Volatiles
Method :
Prep Method:

Analytes			Result	Units	Qlfr
	630206	1,1,1,2-Tetrachloroethane	1.00	ug/L	UJ
	71556	1,1,1-Trichloroethane	1.00	ug/L	UJ
	79005	1,1,2-Trichloroethane	1.00	ug/L	U
	75343	1,1-Dichloroethane	1.00	ug/L	UJ
	75354	1,1-dichloroethene	1.00	ug/L	U
	107062	1,2-Dichloroethane	1.00	ug/L	U
	156592	cis-1,2-Dichloroethene	1.00	ug/L	UJ
	79345	Ethane, 1,1,2,2-tetrachl	1.00	ug/L	U
	127184	**Tetrachloroethene**	**0.88**	**ug/L**	**J**
	156605	trans-1,2-Dichloroethene	1.00	ug/L	U
	79016	**Trichloroethene**	**17.1**	**ug/L**	**J**
	75014	Vinyl Chloride	1.00	ug/L	U

Manchester Environmental Laboratory
Final Report

Project Code: FSP-005A
Project Name: COEUR d'ALENE
Project Officer: MARK ADER
Account Code: 96T10PTFA10Q6LA00
Station Description: HNU: 0.2 ppm

Collected: 15:43
Matrix: Air
Sample Number: 96213845
Type: Reg sample

FASP

Parameter : Volatiles
Method :
Prep Method:

Analytes			Result	Units	Qlfr
	630206	1,1,1,2-Tetrachloroethane	0.10	ug/L	UJ
	71556	1,1,1-Trichloroethane	0.10	ug/L	UJ
	79005	1,1,2-Trichloroethane	0.10	ug/L	U
	75343	1,1-Dichloroethane	0.10	ug/L	UJ
	75354	1,1-dichloroethene	0.10	ug/L	U
	107062	1,2-Dichloroethane	0.10	ug/L	U
	156592	cis-1,2-Dichloroethene	0.10	ug/L	UJ
	79345	Ethane, 1,1,2,2-tetrachl	0.10	ug/L	U
	127184	Tetrachloroethene	0.10	ug/L	UJ
	156605	trans-1,2-Dichloroethene	0.10	ug/L	U
	79016	**Trichloroethene**	**1.15**	**ug/L**	**J**
	75014	Vinyl Chloride	0.10	ug/L	U

Manchester Environmental Laboratory
Final Report

Project Code: FSP-005A
Project Name: COEUR d'ALENE
Project Officer: MARK ADER
Account Code: 96T10PTFA10Q6LA00
Station Description: HNU: 2.4 ppm

Collected: 16:35
Matrix: Air
Sample Number: 96213846
Type: Reg sample

FASP

Parameter : Volatiles
Method :
Prep Method:

Analytes			Result	Units	Qlfr
	630206	1,1,1,2-Tetrachloroethane	0.10	ug/L	UJ
	71556	1,1,1-Trichloroethane	0.10	ug/L	UJ
	79005	1,1,2-Trichloroethane	0.10	ug/L	U
	75343	1,1-Dichloroethane	0.10	ug/L	UJ
	75354	1,1-dichloroethene	0.10	ug/L	U
	107062	1,2-Dichloroethane	0.10	ug/L	U
	156592	cis-1,2-Dichloroethene	0.10	ug/L	UJ
	79345	Ethane, 1,1,2,2-tetrachl	0.10	ug/L	U
	127184	Tetrachloroethene	0.10	ug/L	UJ
	156605	trans-1,2-Dichloroethene	0.10	ug/L	U
	79016	**Trichloroethene**	**5.15**	**ug/L**	**J**
	75014	Vinyl Chloride	0.10	ug/L	U

Manchester Environmental Laboratory
Final Report

Project Code:	FSP-005A	**Collected:**	17:18
Project Name:	COEUR d'ALENE	**Matrix:**	Solid
Project Officer:	MARK ADER	**Sample Number:**	96213847
Account Code:	96T10PTFA10Q6LA00	**Type:**	Reg sample
Station Description:	HNU: Background		

FASP

Parameter : Volatiles
Method :
Prep Method:

Analytes		Result	Units	Qlfr
630206	1,1,1,2-Tetrachloroethane	0.97	ug/Kg	U
71556	1,1,1-Trichloroethane	0.97	ug/Kg	U
79005	1,1,2-Trichloroethane	0.97	ug/Kg	U
75343	1,1-Dichloroethane	0.97	ug/Kg	U
75354	1,1-dichloroethene	0.97	ug/Kg	U
107062	1,2-Dichloroethane	0.97	ug/Kg	U
156592	cis-1,2-Dichloroethene	0.97	ug/Kg	U
79345	Ethane, 1,1,2,2-tetrachl	0.97	ug/Kg	U
127184	Tetrachloroethene	0.97	ug/Kg	U
156605	trans-1,2-Dichloroethene	0.97	ug/Kg	U
79016	Trichloroethene	0.97	ug/Kg	U
75014	Vinyl Chloride	0.97	ug/Kg	U

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Project Code:	FSP-005A	**Collected:**	18:03
Project Name:	COEUR d'ALENE	**Matrix:**	Solid
Project Officer:	MARK ADER	**Sample Number:**	96213848
Account Code:	96T10PTFA10Q6LA00	**Type:**	Reg sample
Station Description:	HNU: Background		

FASP

Parameter : Volatiles
Method :
Prep Method:

Analytes		Result	Units	Qlfr
630206	1,1,1,2-Tetrachloroethane	0.94	ug/Kg	U
71556	1,1,1-Trichloroethane	0.94	ug/Kg	U
79005	1,1,2-Trichloroethane	0.94	ug/Kg	U
75343	1,1-Dichloroethane	0.94	ug/Kg	U
75354	1,1-dichloroethene	0.94	ug/Kg	U
107062	1,2-Dichloroethane	0.94	ug/Kg	U
156592	cis-1,2-Dichloroethene	0.94	ug/Kg	U
79345	Ethane, 1,1,2,2-tetrachl	0.94	ug/Kg	U
127184	Tetrachloroethene	0.94	ug/Kg	U
156605	trans-1,2-Dichloroethene	0.94	ug/Kg	U
79016	**Trichloroethene**	**0.17**	**ug/Kg**	**J**
75014	Vinyl Chloride	0.94	ug/Kg	U

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Project Code:	FSP-005A	**Collected:**	18:03
Project Name:	COEUR d'ALENE	**Matrix:**	Solid
Project Officer:	MARK ADER	**Sample Number:**	96213849
Account Code:	96T10PTFA10Q6LA00	**Type:**	Reg sample
Station Description:	Field duplicate fro DE25SB10		

FASP

Parameter : Volatiles
Method :
Prep Method:

Analytes		Result	Units	Qlfr
630206	1,1,1,2-Tetrachloroethane	1.0	ug/Kg	U
71556	1,1,1-Trichloroethane	1.0	ug/Kg	U
79005	1,1,2-Trichloroethane	1.0	ug/Kg	U
75343	1,1-Dichloroethane	1.0	ug/Kg	U
75354	1,1-dichloroethene	1.0	ug/Kg	U
107062	1,2-Dichloroethane	1.0	ug/Kg	U
156592	cis-1,2-Dichloroethene	1.0	ug/Kg	U
79345	Ethane, 1,1,2,2-tetrachl	1.0	ug/Kg	U
127184	**Tetrachloroethene**	**1.7**	**ug/Kg**	
156605	trans-1,2-Dichloroethene	1.0	ug/Kg	U
79016	**Trichloroethene**	**3.0**	**ug/Kg**	
75014	Vinyl Chloride	1.0	ug/Kg	U

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Project Code:	FSP-005A	**Collected:**	18:21
Project Name:	COEUR d'ALENE	**Matrix:**	Liquid-Total
Project Officer:	MARK ADER	**Sample Number:**	96213850
Account Code:	96T10PTFA10Q6LA00	**Type:**	Reg sample
Station Description:	Decon Water		

FASP

Parameter : Volatiles
Method :
Prep Method:

Analytes		Result	Units	Qlfr
630206	1,1,1,2-Tetrachloroethane	25	ug/L	UJ
71556	1,1,1-Trichloroethane	25	ug/L	UJ
79005	1,1,2-Trichloroethane	25	ug/L	U
75343	1,1-Dichloroethane	25	ug/L	UJ
75354	1,1-dichloroethene	25	ug/L	U
107062	1,2-Dichloroethane	25	ug/L	U
156592	cis-1,2-Dichloroethene	25	ug/L	UJ
79345	Ethane, 1,1,2,2-tetrachl	25	ug/L	U
127184	Tetrachloroethene	25	ug/L	UJ
156605	trans-1,2-Dichloroethene	25	ug/L	U
79016	Trichloroethene	25	ug/L	UJ
75014	Vinyl Chloride	25	ug/L	U

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 10 LABORATORY
7411 Beach Dr. East
Port Orchard, Washington 98366

June 18, 1996

MEMORANDUM

SUBJECT: Report of Data Validation of VOA Results for the Coeur d'Alene ESI Project Samples 96213825, 96213826, 96213833, 96213835, 96213836, 96213837, 96213839, 96213841, 96213842, and 96213844

FROM: Gerald H. Dodo, Chemist
USEPA

TO: Mark Ader, Project Officer
USEPA

CC: Mark Longtine, E&E

The following is a QA data validation report of the VOA analyses' results for soil gas samples in summa canisters collected for the Coeur d'Alene ESI project. The analyses were performed at the USEPA Region 10 Laboratory using a modified SW846 Method 8260A. The summa canisters were pressurized with nitrogen before a volume of the soil gas was released onto the GC/MS purge and trap system for analysis. The soil gas was released through a purge vessel with water before entering the VOA trap. Dilution caused by the addition of nitrogen was accounted for in the reported results. This report covers the samples listed above.

The project code for these samples is FSP-005A and the account number is 96T10PTFA10Q6.

Data qualifications

The following comments refer to laboratory performance in meeting the Quality Control specifications outlined in the USEPA SW846 Method 8260A and the USEPA Laboratory Data Validation Functional Guidelines for Evaluating Organics Analyses (12/94).

I. Holding Times:

A holding time criterion of 14 days from the time of sampling to analysis was applied. All analyses were performed within this criterion except for the smaller volume re-analysis of sample 96213825 which was performed 15 days from the time of

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sampling. The reported trichloroethene and tetrachloroethene results from this analysis were qualified J

II. GC/MS Tuning and Performance: Acceptable

The tuning summary agreed with the raw data. All bromofluorobenzene ion abundance met criteria. Sample analyses were preceded by a tune less than 12 hours prior to analysis. No data qualifiers were applied on the basis of the tuning data.

III. Initial Calibration:

A four-point initial calibration was performed on 06/03/96 for the target compounds. The correlation coefficients for calibration curves were ≥0.99. All percent relative standard deviations (%RSDs) met the criteria of ≤30%. All average relative response factors (RRFs) met the criteria of ≥0.05 except for acetone, acrylonitrile, tetrahydrofuran, chloroacetonitrile, and 1,1-dichloropropanone. The 1,1-dichloropropanone RRFs were <0.01. The associated results for these compounds were qualified J if detected. Non-detected results were qualified based on the continuing calibration performance except for sample 96213833 which was analyzed within the analytical batch of the initial calibration. This sample's non-detected results for these compounds were qualified UJ except for 1,1-dichloropropanone which was qualified REJ.

IV. Continuing Calibration:

The continuing calibration check standards met the criteria for frequency of analysis and RRT windows for all target compounds and surrogates. The calculation of the % recoveries was checked and the calculation method was correct. The RRFs were ≥0.05 and the recoveries for the target compounds met the criteria of 75-125% except for the following:

06/04/96 Samples 96213837, 96213839, 96213842, and 96213844.

The RRFs for acrylonitrile, chloroacetonitrile, tetrahydrofuran, and 1,1-dichloropropanone were <0.05. The RRF for 1,1-dichloropropanone was <0.01. The associated results for these compounds were qualified J if detected and UJ if non-detected except 1,1-dichloropropanone. This compound was qualified REJ if non-detected.

06/05/96 Samples 96213825, 96213826, 96213835, 96213836, 96213841, Reanalyses with Smaller Volumes of Samples 96213837, 96213839, and 96213842.

The RRFs for acrylonitrile, chloroacetonitrile, tetrahydrofuran, and 1,1-dichloropropanone were <0.05. The RRF for 1,1-dichloropropanone was <0.01. The associated results for these compounds were qualified J if detected and UJ if non-detected except 1,1-dichloropropanone. This compound was qualified REJ if non-detected. Naphthalene and 1,2,3-trichlorobenzene resulted with recoveries <75%. The associated results for these compounds were qualified J if detected and UJ if non-detected.

06/06/96 Reanalyses with Smaller Volumes of Samples 96213825, 96213835, 96213836, 96213841, and 96213844.

The RRFs for acrylonitrile, chloroacetonitrile, tetrahydrofuran, and 1,1-dichloropropanone were <0.05. The RRF for 1,1-dichloropropanone was <0.01. The associated results for these compounds were qualified J if detected and UJ if non-detected except 1,1-dichloropropanone. This compound was qualified REJ if non-detected. 2-butanone resulted with a recovery <75%. The associated results for this compound were qualified J if detected and UJ if non-detected. Hexachlorobutadiene resulted with a recovery >125%. The associated results for this compound were qualified J if detected.

V. Blanks:

A summa canister blank was analyzed prior to the analysis of the samples. The blanks were prepared by pressurizing a summa canister with nitrogen then analyzing 500 mL of this gas. Compounds detected in the samples were reported without qualification if the sample result area integration exceeded ten times that of the blank for common VOA contaminates (e.g. acetone, 2-butanone, carbon disulfide, and methylene chloride) or five times that of the blank for the other target compounds. Detected sample results were qualified U if the area integration was below these criteria. The sample concentration or the laboratory quantitation limit (QL), whichever is greater, was reported as the qualified result. Tentatively identified compounds (TICs) reported in sample results were deleted if found in the associated blank.

VI. Surrogates: Acceptable

The surrogate recoveries met the CLP Statement of Work specifications for the samples and blanks. The surrogates were spiked into the water in the purge vessel, therefore, the water criteria were applied. No qualifiers were applied based on the surrogate recoveries.

VII. Matrix Spike/Matrix Spike Duplicate (MS/MSD):

An MS/MSD analysis was not performed.

VIII. Internal Standard Performance: Acceptable

The retention time variations of all internal standards were within 30 seconds of the continuing calibration standards. The %area of all the internal standards fell within the specified 50% to 200% of the continuing calibration standards. The internal standards were spiked into the water in the purge vessel. No qualifiers were applied based on the internal standards' response.

IX. TCL Compound Identification: Acceptable

All detected TCL compounds' relative retention times were within acceptable limits of the related standards in the initial calibration or continuing calibration standards. Criteria were met for mass spectral ion matching and ion abundance matching or the mass spectra were judged acceptable.

X. Compound Quantitation:

Compound quantitation was evaluated and found to be correct. The appropriate internal standards were used. The correct quantitation ions and calibration functions were used. Some analytes were detected in this sample set at levels below the lowest calibration concentration of the initial calibration curve. Since the Practical Quantitation Limit is based on this lowest initial calibration standard, these values were assigned the J qualifier.

The reported trichloroethene detected results for samples 96213826, 96213835, 96213842, and 96213844 were from analyses with amounts exceeding the upper range of the initial calibration. However, an analysis of a higher level standard above these sample amounts on 06/05/96 resulted with >90% accuracy for trichloroethene. Since the instrument and calibration function used for trichloroethene quantitation was still accurate up to this standard amount, no qualifiers were applied toward these results.

The reported tetrachloroethene detected results for samples 96213837 and 96213839 were from analyses with amounts exceeding the upper range of the initial calibration. However, an analysis of a higher level standard above these sample amounts on 06/05/96 resulted with >90% accuracy for tetrachloroethene. Since the instrument and calibration function used for tetrachloroethene quantitation was still accurate up to this standard amount, no qualifiers were applied toward these results.

XI. Tentatively Identified Compounds:

Spectra for all tentatively identified compounds met criteria for mass spectral ion matching and ion abundance matching or the mass spectra were judged acceptable.

Overall Assessment for the Case

The usefulness of the data is based on the criteria outlined in the USEPA SW846 Method 8260A and the USEPA Laboratory Data Validation Functional Guidelines for Evaluating Organics Analyses (12/94).

All requirements for data qualifiers from the preceding sections were accumulated. Each sample data summary sheet and each compound was checked for positive or negative results. From this the overall need for data qualifiers for each analysis was determined. In cases where more than one of the preceding sections required data qualifiers, the most restrictive qualifier has been added to the data.

In general, all unqualified data can be used without restriction. The usefulness of qualified data should be treated according to the severity of the qualifier. Should questions arise regarding the qualification of data and its relation to the usefulness, the reader is encouraged to contact the Region 10 laboratory.

DATA QUALIFIERS

U	-	The analyte was not detected at or above the reported result.
J	-	The analyte was positively identified. The associated numerical result is an estimate.
EXP	-	The result is equal to the number before EXP times 10 to the power of the number after EXP. As an example 3EXP6 equals 3×10^6.
REJ	-	The data are unusable for all purposes.
N	-	There is evidence the analyte is present in this sample.
NJ	-	There is evidence that the analyte is present. The associated numerical result is an estimate.
UJ	-	The analyte was not detected at or above the reported estimated result. The associated numerical value is an estimate of the quantitation limit of the analyte in this sample.
NAF	-	Not analyzed for.
NAR	-	No analytical result.
*	-	The analyte was present in the sample. (Visual aid to locate detected compounds on the report sheet.)

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Project Code:	FSP-005A	**Collected:**	5/22/96
Project Name:	COEUR d'ALENE	**Matrix:**	Air
Project Officer:	MARK ADER	**Sample Number:**	96213825
Account Code:	96T10PTFA10Q6LA00	**Type:**	Reg sample
Station Description:	DE18GC12		

GCMS

Parameter : Volatiles
Method : 8260-M
Prep Method:
Analytes :

		Result	Units	Qlfr
513882	1,1-Dichloropropanone			REJ
630206	1,1,1,2-Tetrachloroethane	1.0	ug/L	U
71556	1,1,1-Trichloroethane	1.0	ug/L	U
79005	1,1,2-Trichloroethane	1.0	ug/L	U
75343	1,1-Dichloroethane	1.0	ug/L	U
75354	1,1-dichloroethene	1.0	ug/L	U
563586	1,1-Dichloropropene	1.0	ug/L	U
87616	1,2,3-Trichlorobenzene	2.6	ug/L	UJ
96184	1,2,3-Trichloropropane	1.0	ug/L	U
120821	1,2,4-Trichlorobenzene	2.6	ug/L	U
96128	1,2-Dibromo-3-chloropropane	1.0	ug/L	U
106934	1,2-Dibromoethane	1.0	ug/L	U
95501	1,2-Dichlorobenzene	1.0	ug/L	U
107062	1,2-Dichloroethane	1.0	ug/L	U
78875	1,2-Dichloropropane	1.0	ug/L	U
541731	1,3-Dichlorobenzene	1.0	ug/L	U
142289	1,3-Dichloropropane	1.0	ug/L	U
106467	1,4-Dichlorobenzene	1.0	ug/L	U
109693	1-Chlorobutane	1.0	ug/L	U
594207	2,2-Dichloropropane	1.0	ug/L	U
78933	2-Butanone	5.2	ug/L	U
95498	2-Chlorotoluene	1.0	ug/L	U
591786	2-Hexanone	2.1	ug/L	U
79469	2-Nitropropane	1.0	ug/L	U
108101	2-Pentanone, 4-methyl-	2.1	ug/L	U
106434	4-Chlorotoluene	1.0	ug/L	U
67641	Acetone	5.2	ug/L	U
107131	Acrylonitrile	2.6	ug/L	UJ
107051	Allyl Chloride	1.0	ug/L	U
71432	Benzene	1.0	ug/L	U
95636	Benzene, 1,2,4-trimethyl	1.0	ug/L	U
95476	Benzene, 1,2-dimethyl-	1.0	ug/L	U
108678	Benzene, 1,3,5-trimethyl	1.0	ug/L	U
100414	Benzene, ethyl-	1.0	ug/L	U
108861	Bromobenzene	1.0	ug/L	U
74975	Bromochloromethane	1.0	ug/L	U

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			Result	Units	Qlfr
Analytes	: 75274	Bromodichloromethane	1.0	ug/L	U
	75252	Bromoform	1.0	ug/L	U
	74839	Bromomethane	1.0	ug/L	U
	75150	Carbon Disulfide	2.1	ug/L	U
	56235	Carbon Tetrachloride	1.0	ug/L	U
	107142	Chloroacetonitrile	2.6	ug/L	UJ
	108907	Chlorobenzene	1.0	ug/L	U
	75003	Chloroethane	1.0	ug/L	U
	67663	Chloroform	1.0	ug/L	U
	74873	Chloromethane	1.0	ug/L	U
	156592	cis-1,2-Dichloroethene	1.0	ug/L	U
	10061015	Cis-1,3-Dichloropropene	1.1	ug/L	U
	124481	Dibromochloromethane	1.0	ug/L	U
	74953	Dibromomethane	1.0	ug/L	U
	75718	Dichlorodifluoromethane	1.0	ug/L	U
	60297	Diethyl ether	1.0	ug/L	U
	79345	Ethane, 1,1,2,2-tetrachl	1.0	ug/L	U
	97632	Ethylmethacrylate	1.0	ug/L	U
	76131	Freon 113	1.0	ug/L	U
	87683	Hexachlorobutadiene	2.6	ug/L	U
	67721	Hexachloroethane	1.0	ug/L	U
	98828	Isopropylbenzene	1.0	ug/L	U
	126987	Methacrylonitrile	1.0	ug/L	U
	96333	Methyl acrylate	1.0	ug/L	U
	74884	Methyl Iodide	1.0	ug/L	U
	80626	Methyl Methacrylate	1.0	ug/L	U
	1634044	Methyl-t-butyl ether	1.0	ug/L	U
	75092	Methylene Chloride	1.0	ug/L	U
	*1330207	MP-Xylene	2.1	ug/L	U
	104518	n-Butylbenzene	1.0	ug/L	U
	103651	n-Propylbenzene	1.0	ug/L	U
	91203	Naphthalene	2.6	ug/L	UJ
	99876	p-Isopropyltoluene	1.0	ug/L	U
	76017	Pentachloroethane	1.0	ug/L	U
	135988	sec-Butylbenzene	1.0	ug/L	U
	100425	Styrene	2.6	ug/L	U
	98066	Tert-butylbenzene	1.0	ug/L	U
	127184	**Tetrachloroethene**	**22.6**	**ug/L**	**J**
	109999	Tetrahydrofuran	1.0	ug/L	UJ
	108883	Toluene	1.0	ug/L	U
	156605	trans-1,2-Dichloroethene	1.0	ug/L	U
	10061026	Trans-1,3-Dichloropropene	0.98	ug/L	U
	110576	trans-1,4-Dichloro-2-butene	1.0	ug/L	U
	79016	**Trichloroethene**	**15.2**	**ug/L**	**J**
	75694	Trichlorofluoromethane	1.0	ug/L	U
	75014	Vinyl Chloride	1.0	ug/L	U
	2199691	1,2-Dichlorobenzene-d4	98	%Rec	
	17060070	1,2-Dichloroethane-d4	93	%Rec	

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			Result	Units	Qlfr
Analytes	: 540363	1,4-Difluorobenzene	101	%Rec	
	460004	p-Bromofluorobenzene	96	%Rec	
	2037265	Toluene-d8	101	%Rec	

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Project Code:	FSP-005A	**Collected:**	5/22/96
Project Name:	COEUR d'ALENE	**Matrix:**	Air
Project Officer:	MARK ADER	**Sample Number:**	96213826
Account Code:	96T10PTFA10Q6LA00	**Type:**	Reg sample
Station Description:	DE19GC12		

GCMS

Parameter : Volatiles
Method : 8260-M
Prep Method:

Analytes		Result	Units	Qlfr
513882	1,1-Dichloropropanone			REJ
630206	1,1,1,2-Tetrachloroethane	1.1	ug/L	U
71556	1,1,1-Trichloroethane	1.1	ug/L	U
79005	1,1,2-Trichloroethane	1.1	ug/L	U
75343	1,1-Dichloroethane	1.1	ug/L	U
75354	1,1-dichloroethene	1.1	ug/L	U
563586	1,1-Dichloropropene	1.1	ug/L	U
87616	1,2,3-Trichlorobenzene	2.7	ug/L	UJ
96184	1,2,3-Trichloropropane	1.1	ug/L	U
120821	1,2,4-Trichlorobenzene	2.7	ug/L	U
96128	1,2-Dibromo-3-chloropropane	1.1	ug/L	U
106934	1,2-Dibromoethane	1.1	ug/L	U
95501	1,2-Dichlorobenzene	1.1	ug/L	U
107062	1,2-Dichloroethane	1.1	ug/L	U
78875	1,2-Dichloropropane	1.1	ug/L	U
541731	1,3-Dichlorobenzene	1.1	ug/L	U
142289	1,3-Dichloropropane	1.1	ug/L	U
106467	1,4-Dichlorobenzene	1.1	ug/L	U
109693	1-Chlorobutane	1.1	ug/L	U
594207	2,2-Dichloropropane	1.1	ug/L	U
78933	2-Butanone	5.5	ug/L	U
95498	2-Chlorotoluene	1.1	ug/L	U
591786	2-Hexanone	2.2	ug/L	U
79469	2-Nitropropane	1.1	ug/L	U
108101	2-Pentanone, 4-methyl-	2.2	ug/L	U
106434	4-Chlorotoluene	1.1	ug/L	U
67641	Acetone	5.5	ug/L	U
107131	Acrylonitrile	2.7	ug/L	UJ
107051	Allyl Chloride	1.1	ug/L	U
71432	Benzene	1.1	ug/L	U
95636	Benzene, 1,2,4-trimethyl	1.1	ug/L	U
95476	Benzene, 1,2-dimethyl-	1.1	ug/L	U
108678	Benzene, 1,3,5-trimethyl	1.1	ug/L	U
100414	Benzene, ethyl-	1.1	ug/L	U
108861	Bromobenzene	1.1	ug/L	U
74975	Bromochloromethane	1.1	ug/L	U

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			Result	Units	Qlfr
Analytes :	75274	Bromodichloromethane	1.1	ug/L	U
	75252	Bromoform	1.1	ug/L	U
	74839	Bromomethane	1.1	ug/L	U
	75150	Carbon Disulfide	2.2	ug/L	U
	56235	Carbon Tetrachloride	1.1	ug/L	U
	107142	Chloroacetonitrile	2.7	ug/L	UJ
	108907	Chlorobenzene	1.1	ug/L	U
	75003	Chloroethane	1.1	ug/L	U
	67663	Chloroform	1.1	ug/L	U
	74873	Chloromethane	1.1	ug/L	U
	156592	cis-1,2-Dichloroethene	1.1	ug/L	U
	10061015	Cis-1,3-Dichloropropene	1.2	ug/L	U
	124481	Dibromochloromethane	1.1	ug/L	U
	74953	Dibromomethane	1.1	ug/L	U
	75718	Dichlorodifluoromethane	1.1	ug/L	U
	60297	Diethyl ether	1.1	ug/L	U
	79345	Ethane, 1,1,2,2-tetrachl	1.1	ug/L	U
	97632	Ethylmethacrylate	1.1	ug/L	U
	76131	Freon 113	1.1	ug/L	U
	87683	Hexachlorobutadiene	2.7	ug/L	U
	67721	Hexachloroethane	1.1	ug/L	U
	98828	Isopropylbenzene	1.1	ug/L	U
	126987	Methacrylonitrile	1.1	ug/L	U
	96333	Methyl acrylate	1.1	ug/L	U
	74884	Methyl Iodide	1.1	ug/L	U
	80626	Methyl Methacrylate	1.1	ug/L	U
	1634044	Methyl-t-butyl ether	1.1	ug/L	U
	75092	Methylene Chloride	1.1	ug/L	U
	*1330207	MP-Xylene	2.2	ug/L	U
	104518	n-Butylbenzene	1.1	ug/L	U
	103651	n-Propylbenzene	1.1	ug/L	U
	91203	Naphthalene	2.7	ug/L	UJ
	99876	p-Isopropyltoluene	1.1	ug/L	U
	76017	Pentachloroethane	1.1	ug/L	U
	135988	sec-Butylbenzene	1.1	ug/L	U
	100425	Styrene	2.7	ug/L	U
	98066	Tert-butylbenzene	1.1	ug/L	U
	127184	**Tetrachloroethene**	**10.1**	**ug/L**	
	109999	Tetrahydrofuran	1.1	ug/L	UJ
	108883	Toluene	1.1	ug/L	U
	156605	trans-1,2-Dichloroethene	1.1	ug/L	U
	10061026	Trans-1,3-Dichloropropene	1.0	ug/L	U
	110576	trans-1,4-Dichloro-2-butene	1.1	ug/L	U
	79016	**Trichloroethene**	**12.6**	**ug/L**	
	75694	Trichlorofluoromethane	1.1	ug/L	U
	75014	Vinyl Chloride	1.1	ug/L	U
	2199691	1,2-Dichlorobenzene-d4	98	%Rec	
	17060070	1,2-Dichloroethane-d4	97	%Rec	

96213826 Reg sample

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			Result	Units	Qlfr
Analytes	: 540363	1,4-Difluorobenzene	102	%Rec	
	460004	p-Bromofluorobenzene	96	%Rec	
	2037265	Toluene-d8	101	%Rec	

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Project Code:	FSP-005A	**Collected:**	5/22/96
Project Name:	COEUR d'ALENE	**Matrix:**	Air
Project Officer:	MARK ADER	**Sample Number:**	96213833
Account Code:	96T10PTFA10Q6LA00	**Type:**	Reg sample
Station Description:	TB01GC01		

GCMS

Parameter : Volatiles
Method : 8260-M
Prep Method:

Analytes		Result	Units	Qlfr
513882	1,1-Dichloropropanone			REJ
630206	1,1,1,2-Tetrachloroethane	0.02	ug/L	U
71556	1,1,1-Trichloroethane	0.02	ug/L	U
79005	1,1,2-Trichloroethane	0.02	ug/L	U
75343	1,1-Dichloroethane	0.02	ug/L	U
75354	1,1-dichloroethene	0.02	ug/L	U
563586	1,1-Dichloropropene	0.02	ug/L	U
87616	1,2,3-Trichlorobenzene	0.05	ug/L	U
96184	1,2,3-Trichloropropane	0.02	ug/L	U
120821	1,2,4-Trichlorobenzene	0.05	ug/L	U
96128	1,2-Dibromo-3-chloropropane	0.02	ug/L	U
106934	1,2-Dibromoethane	0.02	ug/L	U
95501	1,2-Dichlorobenzene	0.02	ug/L	U
107062	1,2-Dichloroethane	0.02	ug/L	U
78875	1,2-Dichloropropane	0.02	ug/L	U
541731	1,3-Dichlorobenzene	0.02	ug/L	U
142289	1,3-Dichloropropane	0.02	ug/L	U
106467	1,4-Dichlorobenzene	0.02	ug/L	U
109693	1-Chlorobutane	0.02	ug/L	U
594207	2,2-Dichloropropane	0.02	ug/L	U
78933	2-Butanone	0.1	ug/L	U
95498	2-Chlorotoluene	0.02	ug/L	U
591786	2-Hexanone	0.04	ug/L	U
79469	2-Nitropropane	0.02	ug/L	U
108101	2-Pentanone, 4-methyl-	0.04	ug/L	U
106434	4-Chlorotoluene	0.02	ug/L	U
67641	Acetone	0.1	ug/L	UJ
107131	Acrylonitrile	0.05	ug/L	UJ
107051	Allyl Chloride	0.02	ug/L	U
71432	Benzene	0.02	ug/L	U
95636	Benzene, 1,2,4-trimethyl	0.02	ug/L	U
95476	Benzene, 1,2-dimethyl-	0.02	ug/L	U
108678	Benzene, 1,3,5-trimethyl	0.02	ug/L	U
100414	Benzene, ethyl-	0.02	ug/L	U
108861	Bromobenzene	0.02	ug/L	U
74975	Bromochloromethane	0.02	ug/L	U

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			Result	Units	Qlfr
Analytes :	75274	Bromodichloromethane	0.02	ug/L	U
	75252	Bromoform	0.02	ug/L	U
	74839	Bromomethane	0.02	ug/L	U
	75150	Carbon Disulfide	0.04	ug/L	U
	56235	Carbon Tetrachloride	0.02	ug/L	U
	107142	Chloroacetonitrile	0.05	ug/L	UJ
	108907	Chlorobenzene	0.02	ug/L	U
	75003	Chloroethane	0.02	ug/L	U
	67663	Chloroform	0.02	ug/L	U
	74873	Chloromethane	0.02	ug/L	U
	156592	cis-1,2-Dichloroethene	0.02	ug/L	U
	10061015	Cis-1,3-Dichloropropene	0.021	ug/L	U
	124481	Dibromochloromethane	0.02	ug/L	U
	74953	Dibromomethane	0.02	ug/L	U
	75718	Dichlorodifluoromethane	0.02	ug/L	U
	60297	Diethyl ether	0.02	ug/L	U
	79345	Ethane, 1,1,2,2-tetrachl	0.02	ug/L	U
	97632	Ethylmethacrylate	0.02	ug/L	U
	76131	Freon 113	0.02	ug/L	U
	87683	Hexachlorobutadiene	0.05	ug/L	U
	67721	Hexachloroethane	0.02	ug/L	U
	98828	Isopropylbenzene	0.02	ug/L	U
	126987	Methacrylonitrile	0.02	ug/L	U
	96333	Methyl acrylate	0.02	ug/L	U
	74884	Methyl Iodide	0.02	ug/L	U
	80626	Methyl Methacrylate	0.02	ug/L	U
	1634044	Methyl-t-butyl ether	0.02	ug/L	U
	75092	Methylene Chloride	0.02	ug/L	U
	*1330207	MP-Xylene	0.04	ug/L	U
	104518	n-Butylbenzene	0.02	ug/L	U
	103651	n-Propylbenzene	0.02	ug/L	U
	91203	Naphthalene	0.05	ug/L	U
	99876	p-Isopropyltoluene	0.02	ug/L	U
	76017	Pentachloroethane	0.02	ug/L	U
	135988	sec-Butylbenzene	0.02	ug/L	U
	100425	Styrene	0.05	ug/L	U
	98066	Tert-butylbenzene	0.02	ug/L	U
	127184	Tetrachloroethene	0.02	ug/L	U
	109999	Tetrahydrofuran	0.02	ug/L	UJ
	108883	Toluene	0.02	ug/L	U
	156605	trans-1,2-Dichloroethene	0.02	ug/L	U
	10061026	Trans-1,3-Dichloropropene	0.019	ug/L	U
	110576	trans-1,4-Dichloro-2-butene	0.02	ug/L	U
	79016	Trichloroethene	0.02	ug/L	U
	75694	Trichlorofluoromethane	0.02	ug/L	U
	75014	Vinyl Chloride	0.02	ug/L	U
	2199691	1,2-Dichlorobenzene-d4	99	%Rec	
	17060670	1,2-Dichloroethane-d4	101	%Rec	

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			Result	Units	Qlfr
Analytes	: 540363	1,4-Difluorobenzene	99	%Rec	
	460004	p-Bromofluorobenzene	94	%Rec	
	2037265	Toluene-d8	100	%Rec	

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Project Code:	FSP-005A	**Collected:**	5/23/96
Project Name:	COEUR d'ALENE	**Matrix:**	Air
Project Officer:	MARK ADER	**Sample Number:**	96213835
Account Code:	96T10PTFA10Q6LA00	**Type:**	Reg sample
Station Description:	DE21GC12		

GCMS

Parameter : Volatiles
Method : 8260-M
Prep Method:

Analytes		Result	Units	Qlfr
513882	1,1-Dichloropropanone			REJ
630206	1,1,1,2-Tetrachloroethane	1.0	ug/L	U
71556	1,1,1-Trichloroethane	1.0	ug/L	U
79005	1,1,2-Trichloroethane	1.0	ug/L	U
75343	1,1-Dichloroethane	1.0	ug/L	U
75354	1,1-dichloroethene	1.0	ug/L	U
563586	1,1-Dichloropropene	1.0	ug/L	U
87616	1,2,3-Trichlorobenzene	2.6	ug/L	UJ
96184	1,2,3-Trichloropropane	1.0	ug/L	U
120821	1,2,4-Trichlorobenzene	2.6	ug/L	U
96128	1,2-Dibromo-3-chloropropane	1.0	ug/L	U
106934	1,2-Dibromoethane	1.0	ug/L	U
95501	1,2-Dichlorobenzene	1.0	ug/L	U
107062	1,2-Dichloroethane	1.0	ug/L	U
78875	1,2-Dichloropropane	1.0	ug/L	U
541731	1,3-Dichlorobenzene	1.0	ug/L	U
142289	1,3-Dichloropropane	1.0	ug/L	U
106467	1,4-Dichlorobenzene	1.0	ug/L	U
109693	1-Chlorobutane	1.0	ug/L	U
594207	2,2-Dichloropropane	1.0	ug/L	U
78933	2-Butanone	5.1	ug/L	U
95498	2-Chlorotoluene	1.0	ug/L	U
591786	2-Hexanone	2.0	ug/L	U
79469	2-Nitropropane	1.0	ug/L	U
108101	2-Pentanone, 4-methyl-	2.0	ug/L	U
106434	4-Chlorotoluene	1.0	ug/L	U
67641	Acetone	5.1	ug/L	U
107131	Acrylonitrile	2.6	ug/L	UJ
107051	Allyl Chloride	1.0	ug/L	U
71432	Benzene	1.0	ug/L	U
95636	Benzene, 1,2,4-trimethyl	1.0	ug/L	U
95476	Benzene, 1,2-dimethyl-	1.0	ug/L	U
108678	Benzene, 1,3,5-trimethyl	1.0	ug/L	U
100414	Benzene, ethyl-	1.0	ug/L	U
108861	Bromobenzene	1.0	ug/L	U
74975	Bromochloromethane	1.0	ug/L	U

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			Result	Units	Qlfr
Analytes :	75274	Bromodichloromethane	1.0	ug/L	U
	75252	Bromoform	1.0	ug/L	U
	74839	Bromomethane	1.0	ug/L	U
	75150	Carbon Disulfide	2.0	ug/L	U
	56235	Carbon Tetrachloride	1.0	ug/L	U
	107142	Chloroacetonitrile	2.6	ug/L	UJ
	108907	Chlorobenzene	1.0	ug/L	U
	75003	Chloroethane	1.0	ug/L	U
	67663	Chloroform	1.0	ug/L	U
	74873	Chloromethane	1.0	ug/L	U
	156592	cis-1,2-Dichloroethene	1.0	ug/L	U
	10061015	Cis-1,3-Dichloropropene	1.1	ug/L	U
	124481	Dibromochloromethane	1.0	ug/L	U
	74953	Dibromomethane	1.0	ug/L	U
	75718	Dichlorodifluoromethane	1.0	ug/L	U
	60297	Diethyl ether	1.0	ug/L	U
	79345	Ethane, 1,1,2,2-tetrachl	1.0	ug/L	U
	97632	Ethylmethacrylate	1.0	ug/L	U
	76131	Freon 113	1.0	ug/L	U
	87683	Hexachlorobutadiene	2.6	ug/L	U
	67721	Hexachloroethane	1.0	ug/L	U
	98828	Isopropylbenzene	1.0	ug/L	U
	126987	Methacrylonitrile	1.0	ug/L	U
	96333	Methyl acrylate	1.0	ug/L	U
	74884	Methyl Iodide	1.0	ug/L	U
	80626	Methyl Methacrylate	1.0	ug/L	U
	1634044	Methyl-t-butyl ether	1.0	ug/L	U
	75092	Methylene Chloride	1.0	ug/L	U
	*1330207	MP-Xylene	2.0	ug/L	U
	104518	n-Butylbenzene	1.0	ug/L	U
	103651	n-Propylbenzene	1.0	ug/L	U
	91203	Naphthalene	2.6	ug/L	UJ
	99876	p-Isopropyltoluene	1.0	ug/L	U
	76017	Pentachloroethane	1.0	ug/L	U
	135988	sec-Butylbenzene	1.0	ug/L	U
	100425	Styrene	2.6	ug/L	U
	98066	Tert-butylbenzene	1.0	ug/L	U
	127184	**Tetrachloroethene**	**1.9**	**ug/L**	
	109999	Tetrahydrofuran	1.0	ug/L	UJ
	108883	Toluene	1.0	ug/L	U
	156605	trans-1,2-Dichloroethene	1.0	ug/L	U
	10061026	Trans-1,3-Dichloropropene	0.96	ug/L	U
	110576	trans-1,4-Dichloro-2-butene	1.0	ug/L	U
	79016	**Trichloroethene**	**58.5**	**ug/L**	
	75694	Trichlorofluoromethane	1.0	ug/L	U
	75014	Vinyl Chloride	1.0	ug/L	U
	2199691	1,2-Dichlorobenzene-d4	98	%Rec	
	17060070	1,2-Dichloroethane-d4	91	%Rec	

96213835 Reg sample

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			Result	Units	Qlfr
Analytes	: 540363	1,4-Difluorobenzene	100	%Rec	
	460004	p-Bromofluorobenzene	96	%Rec	
	2037265	Toluene-d8	102	%Rec	

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Project Code:	FSP-005A	**Collected:**	5/23/96
Project Name:	COEUR d'ALENE	**Matrix:**	Air
Project Officer:	MARK ADER	**Sample Number:**	96213836
Account Code:	96T10PTFA10Q6LA00	**Type:**	Reg sample
Station Description:	DE22GC12		

GCMS

Parameter : Volatiles
Method : 8260-M
Prep Method:

Analytes		Result	Units	Qlfr
513882	1,1-Dichloropropanone			REJ
630206	1,1,1,2-Tetrachloroethane	1.0	ug/L	U
71556	1,1,1-Trichloroethane	1.0	ug/L	U
79005	1,1,2-Trichloroethane	1.0	ug/L	U
75343	1,1-Dichloroethane	1.0	ug/L	U
75354	1,1-dichloroethene	1.0	ug/L	U
563586	1,1-Dichloropropene	1.0	ug/L	U
87616	1,2,3-Trichlorobenzene	2.6	ug/L	UJ
96184	1,2,3-Trichloropropane	1.0	ug/L	U
120821	1,2,4-Trichlorobenzene	2.6	ug/L	U
96128	1,2-Dibromo-3-chloropropane	1.0	ug/L	U
106934	1,2-Dibromoethane	1.0	ug/L	U
95501	1,2-Dichlorobenzene	1.0	ug/L	U
107062	1,2-Dichloroethane	1.0	ug/L	U
78875	1,2-Dichloropropane	1.0	ug/L	U
541731	1,3-Dichlorobenzene	1.0	ug/L	U
142289	1,3-Dichloropropane	1.0	ug/L	U
106467	1,4-Dichlorobenzene	1.0	ug/L	U
109693	1-Chlorobutane	1.0	ug/L	U
594207	2,2-Dichloropropane	1.0	ug/L	U
78933	2-Butanone	5.2	ug/L	U
95498	2-Chlorotoluene	1.0	ug/L	U
591786	2-Hexanone	2.1	ug/L	U
79469	2-Nitropropane	1.0	ug/L	U
108101	2-Pentanone, 4-methyl-	2.1	ug/L	U
106434	4-Chlorotoluene	1.0	ug/L	U
67641	Acetone	5.2	ug/L	U
107131	Acrylonitrile	2.6	ug/L	UJ
107051	Allyl Chloride	1.0	ug/L	U
71432	Benzene	1.0	ug/L	U
95636	Benzene, 1,2,4-trimethyl	1.0	ug/L	U
95476	Benzene, 1,2-dimethyl-	1.0	ug/L	U
108678	Benzene, 1,3,5-trimethyl	1.0	ug/L	U
100414	Benzene, ethyl-	1.0	ug/L	U
108861	Bromobenzene	1.0	ug/L	U
74975	Bromochloromethane	1.0	ug/L	U

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			Result	Units	Qlfr
Analytes	: 75274	Bromodichloromethane	1.0	ug/L	U
	75252	Bromoform	1.0	ug/L	U
	74839	Bromomethane	1.0	ug/L	U
	75150	Carbon Disulfide	2.1	ug/L	U
	56235	Carbon Tetrachloride	1.0	ug/L	U
	107142	Chloroacetonitrile	2.6	ug/L	UJ
	108907	Chlorobenzene	1.0	ug/L	U
	75003	Chloroethane	1.0	ug/L	U
	67663	Chloroform	1.0	ug/L	U
	74873	Chloromethane	1.0	ug/L	U
	156592	cis-1,2-Dichloroethene	1.0	ug/L	U
	10061015	Cis-1,3-Dichloropropene	1.1	ug/L	U
	124481	Dibromochloromethane	1.0	ug/L	U
	74953	Dibromomethane	1.0	ug/L	U
	75718	Dichlorodifluoromethane	1.0	ug/L	U
	60297	Diethyl ether	1.0	ug/L	U
	79345	Ethane, 1,1,2,2-tetrachl	1.0	ug/L	U
	97632	Ethylmethacrylate	1.0	ug/L	U
	76131	Freon 113	1.0	ug/L	U
	87683	Hexachlorobutadiene	2.6	ug/L	U
	67721	Hexachloroethane	1.0	ug/L	U
	98828	Isopropylbenzene	1.0	ug/L	U
	126987	Methacrylonitrile	1.0	ug/L	U
	96333	Methyl acrylate	1.0	ug/L	U
	74884	Methyl Iodide	1.0	ug/L	U
	80626	Methyl Methacrylate	1.0	ug/L	U
	1634044	Methyl-t-butyl ether	1.0	ug/L	U
	75092	Methylene Chloride	1.0	ug/L	U
	*1330207	MP-Xylene	2.1	ug/L	U
	104518	n-Butylbenzene	1.0	ug/L	U
	103651	n-Propylbenzene	1.0	ug/L	U
	91203	Naphthalene	2.6	ug/L	UJ
	99876	p-Isopropyltoluene	1.0	ug/L	U
	76017	Pentachloroethane	1.0	ug/L	U
	135988	sec-Butylbenzene	1.0	ug/L	U
	100425	Styrene	2.6	ug/L	U
	98066	Tert-butylbenzene	1.0	ug/L	U
	127184	**Tetrachloroethene**	**1.5**	**ug/L**	
	109999	Tetrahydrofuran	1.0	ug/L	UJ
	108883	Toluene	1.0	ug/L	U
	156605	trans-1,2-Dichloroethene	1.0	ug/L	U
	10061026	Trans-1,3-Dichloropropene	0.98	ug/L	U
	110576	trans-1,4-Dichloro-2-butene	1.0	ug/L	U
	79016	**Trichloroethene**	**31.1**	**ug/L**	
	75694	Trichlorofluoromethane	1.0	ug/L	U
	75014	Vinyl Chloride	1.0	ug/L	U
	2199691	1,2-Dichlorobenzene-d4	99	%Rec	
	17060070	1,2-Dichloroethane-d4	95	%Rec	

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			Result	Units	Qlfr
Analytes	: 540363	1,4-Difluorobenzene	101	%Rec	
	460004	p-Bromofluorobenzene	97	%Rec	
	2037265	Toluene-d8	101	%Rec	

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Project Code:	FSP-005A	**Collected:**	5/23/96
Project Name:	COEUR d'ALENE	**Matrix:**	Air
Project Officer:	MARK ADER	**Sample Number:**	96213837
Account Code:	96T10PTFA10Q6LA00	**Type:**	Reg sample
Station Description:	CL15GC12		

GCMS

Parameter : Volatiles
Method : 8260-M
Prep Method:
Analytes :

		Result	Units	Qlfr
513882	1,1-Dichloropropanone			REJ
630206	1,1,1,2-Tetrachloroethane	0.052	ug/L	U
71556	**1,1,1-Trichloroethane**	**0.087**	**ug/L**	
79005	1,1,2-Trichloroethane	0.052	ug/L	U
75343	1,1-Dichloroethane	0.052	ug/L	U
75354	1,1-dichloroethene	0.052	ug/L	U
563586	1,1-Dichloropropene	0.052	ug/L	U
87616	1,2,3-Trichlorobenzene	0.13	ug/L	U
96184	1,2,3-Trichloropropane	0.052	ug/L	U
120821	1,2,4-Trichlorobenzene	0.13	ug/L	U
96128	1,2-Dibromo-3-chloropropane	0.052	ug/L	U
106934	1,2-Dibromoethane	0.052	ug/L	U
95501	1,2-Dichlorobenzene	0.052	ug/L	U
107062	1,2-Dichloroethane	0.052	ug/L	U
78875	1,2-Dichloropropane	0.052	ug/L	U
541731	1,3-Dichlorobenzene	0.052	ug/L	U
142289	1,3-Dichloropropane	0.052	ug/L	U
106467	1,4-Dichlorobenzene	0.052	ug/L	U
109693	1-Chlorobutane	0.052	ug/L	U
594207	2,2-Dichloropropane	0.052	ug/L	U
78933	2-Butanone	0.26	ug/L	U
95498	2-Chlorotoluene	0.052	ug/L	U
591786	2-Hexanone	0.10	ug/L	U
79469	2-Nitropropane	0.052	ug/L	U
108101	2-Pentanone, 4-methyl-	0.10	ug/L	U
106434	4-Chlorotoluene	0.052	ug/L	U
67641	Acetone	0.26	ug/L	U
107131	Acrylonitrile	0.13	ug/L	UJ
107051	Allyl Chloride	0.052	ug/L	U
71432	Benzene	0.052	ug/L	U
95636	Benzene, 1,2,4-trimethyl	0.052	ug/L	U
95476	Benzene, 1,2-dimethyl-	0.052	ug/L	U
108678	Benzene, 1,3,5-trimethyl	0.052	ug/L	U
100414	Benzene, ethyl-	0.052	ug/L	U
108861	Bromobenzene	0.052	ug/L	U
74975	Bromochloromethane	0.052	ug/L	U

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			Result	Units	Qlfr
Analytes :	75274	Bromodichloromethane	0.052	ug/L	U
	75252	Bromoform	0.052	ug/L	U
	74839	Bromomethane	0.052	ug/L	U
	75150	Carbon Disulfide	0.10	ug/L	U
	56235	Carbon Tetrachloride	0.052	ug/L	U
	107142	Chloroacetonitrile	0.13	ug/L	UJ
	108907	Chlorobenzene	0.052	ug/L	U
	75003	Chloroethane	0.052	ug/L	U
	67663	Chloroform	0.052	ug/L	U
	74873	Chloromethane	0.052	ug/L	U
	156592	cis-1,2-Dichloroethene	0.052	ug/L	U
	10061015	Cis-1,3-Dichloropropene	0.056	ug/L	U
	124481	Dibromochloromethane	0.052	ug/L	U
	74953	Dibromomethane	0.052	ug/L	U
	75718	Dichlorodifluoromethane	0.052	ug/L	U
	60297	Diethyl ether	0.052	ug/L	U
	79345	Ethane, 1,1,2,2-tetrachl	0.052	ug/L	U
	97632	Ethylmethacrylate	0.052	ug/L	U
	76131	Freon 113	0.052	ug/L	U
	87683	Hexachlorobutadiene	0.13	ug/L	U
	67721	Hexachloroethane	0.052	ug/L	U
	98828	Isopropylbenzene	0.052	ug/L	U
	126987	Methacrylonitrile	0.052	ug/L	U
	96333	Methyl acrylate	0.052	ug/L	U
	74884	Methyl Iodide	0.052	ug/L	U
	80626	Methyl Methacrylate	0.052	ug/L	U
	1634044	Methyl-t-butyl ether	0.052	ug/L	U
	75092	Methylene Chloride	0.052	ug/L	U
	*1330207	MP-Xylene	0.10	ug/L	U
	104518	n-Butylbenzene	0.052	ug/L	U
	103651	n-Propylbenzene	0.052	ug/L	U
	91203	Naphthalene	0.13	ug/L	U
	99876	p-Isopropyltoluene	0.052	ug/L	U
	76017	Pentachloroethane	0.052	ug/L	U
	135988	sec-Butylbenzene	0.052	ug/L	U
	100425	Styrene	0.13	ug/L	U
	98066	Tert-butylbenzene	0.052	ug/L	U
	127184	**Tetrachloroethene**	**13.5**	**ug/L**	
	109999	Tetrahydrofuran	0.052	ug/L	UJ
	108883	**Toluene**	**0.011**	**ug/L**	**J**
	156605	trans-1,2-Dichloroethene	0.052	ug/L	U
	10061026	Trans-1,3-Dichloropropene	0.049	ug/L	U
	110576	trans-1,4-Dichloro-2-butene	0.052	ug/L	U
	79016	**Trichloroethene**	**1.5**	**ug/L**	
	75694	Trichlorofluoromethane	0.052	ug/L	U
	75014	Vinyl Chloride	0.052	ug/L	U
	2199691	1,2-Dichlorobenzene-d4	98	%Rec	
	17060070	1,2-Dichloroethane-d4	106	%Rec	

96213837 Reg sample

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			Result	Units	Qlfr
Analytes	: 540363	1,4-Difluorobenzene	101	%Rec	
	460004	p-Bromofluorobenzene	95	%Rec	
	2037265	Toluene-d8	100	%Rec	

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Project Code:	FSP-005A	**Collected:**	5/23/96
Project Name:	COEUR d'ALENE	**Matrix:**	Air
Project Officer:	MARK ADER	**Sample Number:**	96213839
Account Code:	96T10PTFA10Q6LA00	**Type:**	Reg sample
Station Description:	CL16GC12		

GCMS

Parameter : Volatiles
Method : 8260-M
Prep Method:
Analytes :

		Result	Units	Qlfr
513882	1,1-Dichloropropanone			REJ
630206	1,1,1,2-Tetrachloroethane	0.052	ug/L	U
71556	**1,1,1-Trichloroethane**	**0.0034**	**ug/L**	**J**
79005	1,1,2-Trichloroethane	0.052	ug/L	U
75343	1,1-Dichloroethane	0.052	ug/L	U
75354	1,1-dichloroethene	0.052	ug/L	U
563586	1,1-Dichloropropene	0.052	ug/L	U
87616	1,2,3-Trichlorobenzene	0.13	ug/L	U
96184	1,2,3-Trichloropropane	0.052	ug/L	U
120821	1,2,4-Trichlorobenzene	0.13	ug/L	U
96128	1,2-Dibromo-3-chloropropane	0.052	ug/L	U
106934	1,2-Dibromoethane	0.052	ug/L	U
95501	1,2-Dichlorobenzene	0.052	ug/L	U
107062	1,2-Dichloroethane	0.052	ug/L	U
78875	1,2-Dichloropropane	0.052	ug/L	U
541731	1,3-Dichlorobenzene	0.052	ug/L	U
142289	1,3-Dichloropropane	0.052	ug/L	U
106467	1,4-Dichlorobenzene	0.052	ug/L	U
109693	1-Chlorobutane	0.052	ug/L	U
594207	2,2-Dichloropropane	0.052	ug/L	U
78933	2-Butanone	0.26	ug/L	U
95498	2-Chlorotoluene	0.052	ug/L	U
591786	2-Hexanone	0.10	ug/L	U
79469	2-Nitropropane	0.052	ug/L	U
108101	2-Pentanone, 4-methyl-	0.10	ug/L	U
106434	4-Chlorotoluene	0.052	ug/L	U
67641	Acetone	0.26	ug/L	U
107131	Acrylonitrile	0.13	ug/L	UJ
107051	Allyl Chloride	0.052	ug/L	U
71432	Benzene	0.052	ug/L	U
95636	Benzene, 1,2,4-trimethyl	0.052	ug/L	U
95476	Benzene, 1,2-dimethyl-	0.052	ug/L	U
108678	Benzene, 1,3,5-trimethyl	0.052	ug/L	U
100414	Benzene, ethyl-	0.052	ug/L	U
108861	Bromobenzene	0.052	ug/L	U
74975	Bromochloromethane	0.052	ug/L	U

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			Result	Units	Qlfr
Analytes	: 75274	Bromodichloromethane	0.052	ug/L	U
	75252	Bromoform	0.052	ug/L	U
	74839	Bromomethane	0.052	ug/L	U
	75150	Carbon Disulfide	0.10	ug/L	U
	56235	Carbon Tetrachloride	0.052	ug/L	U
	107142	Chloroacetonitrile	0.13	ug/L	UJ
	108907	Chlorobenzene	0.052	ug/L	U
	75003	Chloroethane	0.052	ug/L	U
	67663	Chloroform	0.052	ug/L	U
	74873	Chloromethane	0.052	ug/L	U
	156592	cis-1,2-Dichloroethene	0.052	ug/L	U
	10061015	Cis-1,3-Dichloropropene	0.055	ug/L	U
	124481	Dibromochloromethane	0.052	ug/L	U
	74953	Dibromomethane	0.052	ug/L	U
	75718	Dichlorodifluoromethane	0.052	ug/L	U
	60297	Diethyl ether	0.052	ug/L	U
	79345	Ethane, 1,1,2,2-tetrachl	0.052	ug/L	U
	97632	Ethylmethacrylate	0.052	ug/L	U
	76131	Freon 113	0.052	ug/L	U
	87683	Hexachlorobutadiene	0.13	ug/L	U
	67721	Hexachloroethane	0.052	ug/L	U
	98828	Isopropylbenzene	0.052	ug/L	U
	126987	Methacrylonitrile	0.052	ug/L	U
	96333	Methyl acrylate	0.052	ug/L	U
	74884	Methyl Iodide	0.052	ug/L	U
	80626	Methyl Methacrylate	0.052	ug/L	U
	1634044	Methyl-t-butyl ether	0.052	ug/L	U
	75092	Methylene Chloride	0.052	ug/L	U
	*1330207	MP-Xylene	0.10	ug/L	U
	104518	n-Butylbenzene	0.052	ug/L	U
	103651	n-Propylbenzene	0.052	ug/L	U
	91203	Naphthalene	0.13	ug/L	U
	99876	p-Isopropyltoluene	0.052	ug/L	U
	76017	Pentachloroethane	0.052	ug/L	U
	135988	sec-Butylbenzene	0.052	ug/L	U
	100425	Styrene	0.13	ug/L	U
	98066	Tert-butylbenzene	0.052	ug/L	U
	127184	**Tetrachloroethene**	**0.65**	**ug/L**	
	109999	Tetrahydrofuran	0.052	ug/L	UJ
	108883	**Toluene**	**0.0078**	**ug/L**	**J**
	156605	trans-1,2-Dichloroethene	0.052	ug/L	U
	10061026	Trans-1,3-Dichloropropene	0.049	ug/L	U
	110576	trans-1,4-Dichloro-2-butene	0.052	ug/L	U
	79016	**Trichloroethene**	**6.3**	**ug/L**	
	75694	Trichlorofluoromethane	0.052	ug/L	U
	75014	Vinyl Chloride	0.052	ug/L	U
	2199691	1,2-Dichlorobenzene-d4	98	%Rec	
	17060070	1,2-Dichloroethane-d4	104	%Rec	

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			Result	Units	Qlfr
Analytes	: 540363	1,4-Difluorobenzene	100	%Rec	
	460004	p-Bromofluorobenzene	95	%Rec	
	2037265	Toluene-d8	101	%Rec	

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Project Code:	FSP-005A	**Collected:**	5/23/96
Project Name:	COEUR d'ALENE	**Matrix:**	Air
Project Officer:	MARK ADER	**Sample Number:**	96213841
Account Code:	96T10PTFA10Q6LA00	**Type:**	Reg sample
Station Description:	DE23GC12		

GCMS

Parameter : Volatiles
Method : 8260-M
Prep Method:

Analytes		Result	Units	Qlfr
513882	1,1-Dichloropropanone			REJ
630206	1,1,1,2-Tetrachloroethane	1.1	ug/L	U
71556	1,1,1-Trichloroethane	1.1	ug/L	U
79005	1,1,2-Trichloroethane	1.1	ug/L	U
75343	1,1-Dichloroethane	1.1	ug/L	U
75354	1,1-dichloroethene	1.1	ug/L	U
563586	1,1-Dichloropropene	1.1	ug/L	U
87616	1,2,3-Trichlorobenzene	2.6	ug/L	UJ
96184	1,2,3-Trichloropropane	1.1	ug/L	U
120821	1,2,4-Trichlorobenzene	2.6	ug/L	U
96128	1,2-Dibromo-3-chloropropane	1.1	ug/L	U
106934	1,2-Dibromoethane	1.1	ug/L	U
95501	1,2-Dichlorobenzene	1.1	ug/L	U
107062	1,2-Dichloroethane	1.1	ug/L	U
78875	1,2-Dichloropropane	1.1	ug/L	U
541731	1,3-Dichlorobenzene	1.1	ug/L	U
142289	1,3-Dichloropropane	1.1	ug/L	U
106467	1,4-Dichlorobenzene	1.1	ug/L	U
109693	1-Chlorobutane	1.1	ug/L	U
594207	2,2-Dichloropropane	1.1	ug/L	U
78933	2-Butanone	5.3	ug/L	U
95498	2-Chlorotoluene	1.1	ug/L	U
591786	2-Hexanone	2.1	ug/L	U
79469	2-Nitropropane	1.1	ug/L	U
108101	2-Pentanone, 4-methyl-	2.1	ug/L	U
106434	4-Chlorotoluene	1.1	ug/L	U
67641	Acetone	5.3	ug/L	U
107131	Acrylonitrile	2.6	ug/L	UJ
107051	Allyl Chloride	1.1	ug/L	U
71432	Benzene	1.1	ug/L	U
95636	Benzene, 1,2,4-trimethyl	1.1	ug/L	U
95476	Benzene, 1,2-dimethyl-	1.1	ug/L	U
108678	Benzene, 1,3,5-trimethyl	1.1	ug/L	U
100414	Benzene, ethyl-	1.1	ug/L	U
108861	Bromobenzene	1.1	ug/L	U
74975	Bromochloromethane	1.1	ug/L	U

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			Result	Units	Qlfr
Analytes :	75274	Bromodichloromethane	1.1	ug/L	U
	75252	Bromoform	1.1	ug/L	U
	74839	Bromomethane	1.1	ug/L	U
	75150	Carbon Disulfide	2.1	ug/L	U
	56235	Carbon Tetrachloride	1.1	ug/L	U
	107142	Chloroacetonitrile	2.6	ug/L	UJ
	108907	Chlorobenzene	1.1	ug/L	U
	75003	Chloroethane	1.1	ug/L	U
	67663	Chloroform	1.1	ug/L	U
	74873	Chloromethane	1.1	ug/L	U
	156592	**cis-1,2-Dichloroethene**	**0.029**	**ug/L**	**J**
	10061015	Cis-1,3-Dichloropropene	1.1	ug/L	U
	124481	Dibromochloromethane	1.1	ug/L	U
	74953	Dibromomethane	1.1	ug/L	U
	75718	Dichlorodifluoromethane	1.1	ug/L	U
	60297	Diethyl ether	1.1	ug/L	U
	79345	Ethane, 1,1,2,2-tetrachl	1.1	ug/L	U
	97632	Ethylmethacrylate	1.1	ug/L	U
	76131	Freon 113	1.1	ug/L	U
	87683	Hexachlorobutadiene	2.6	ug/L	U
	67721	Hexachloroethane	1.1	ug/L	U
	98828	Isopropylbenzene	1.1	ug/L	U
	126987	Methacrylonitrile	1.1	ug/L	U
	96333	Methyl acrylate	1.1	ug/L	U
	74884	Methyl Iodide	1.1	ug/L	U
	80626	Methyl Methacrylate	1.1	ug/L	U
	1634044	Methyl-t-butyl ether	1.1	ug/L	U
	75092	Methylene Chloride	1.1	ug/L	U
	*1330207	MP-Xylene	2.1	ug/L	U
	104518	n-Butylbenzene	1.1	ug/L	U
	103651	n-Propylbenzene	1.1	ug/L	U
	91203	Naphthalene	2.6	ug/L	UJ
	99876	p-Isopropyltoluene	1.1	ug/L	U
	76017	Pentachloroethane	1.1	ug/L	U
	135988	sec-Butylbenzene	1.1	ug/L	U
	100425	Styrene	2.6	ug/L	U
	98066	Tert-butylbenzene	1.1	ug/L	U
	127184	**Tetrachloroethene**	**20.2**	**ug/L**	
	109999	Tetrahydrofuran	1.1	ug/L	UJ
	108883	Toluene	1.1	ug/L	U
	156605	trans-1,2-Dichloroethene	1.1	ug/L	U
	10061026	Trans-1,3-Dichloropropene	1.0	ug/L	U
	110576	trans-1,4-Dichloro-2-butene	1.1	ug/L	U
	79016	**Trichloroethene**	**25.4**	**ug/L**	
	75694	Trichlorofluoromethane	1.1	ug/L	U
	75014	Vinyl Chloride	1.1	ug/L	U
	2199691	1,2-Dichlorobenzene-d4	100	%Rec	
	17060070	1,2-Dichloroethane-d4	92	%Rec	

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			Result	Units	Qlfr
Analytes	: 540363	1,4-Difluorobenzene	100	%Rec	
	460004	p-Bromofluorobenzene	96	%Rec	
	2037265	Toluene-d8	101	%Rec	

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Project Code:	FSP-005A	**Collected:**	5/23/96
Project Name:	COEUR d'ALENE	**Matrix:**	Air
Project Officer:	MARK ADER	**Sample Number:**	96213842
Account Code:	96T10PTFA10Q6LA00	**Type:**	Reg sample
Station Description:	AN05GC12		

GCMS

Parameter : Volatiles
Method : 8260-M
Prep Method:

Analytes		Result	Units	Qlfr
513882	1,1-Dichloropropanone			REJ
630206	1,1,1,2-Tetrachloroethane	0.051	ug/L	U
71556	1,1,1-Trichloroethane	0.051	ug/L	U
79005	1,1,2-Trichloroethane	0.051	ug/L	U
75343	1,1-Dichloroethane	0.051	ug/L	U
75354	1,1-dichloroethene	0.051	ug/L	U
563586	1,1-Dichloropropene	0.051	ug/L	U
87616	1,2,3-Trichlorobenzene	0.13	ug/L	U
96184	1,2,3-Trichloropropane	0.051	ug/L	U
120821	1,2,4-Trichlorobenzene	0.13	ug/L	U
96128	1,2-Dibromo-3-chloropropane	0.051	ug/L	U
106934	1,2-Dibromoethane	0.051	ug/L	U
95501	1,2-Dichlorobenzene	0.051	ug/L	U
107062	1,2-Dichloroethane	0.051	ug/L	U
78875	1,2-Dichloropropane	0.051	ug/L	U
541731	1,3-Dichlorobenzene	0.051	ug/L	U
142289	1,3-Dichloropropane	0.051	ug/L	U
106467	1,4-Dichlorobenzene	0.051	ug/L	U
109693	1-Chlorobutane	0.051	ug/L	U
594207	2,2-Dichloropropane	0.051	ug/L	U
78933	2-Butanone	0.26	ug/L	U
95498	2-Chlorotoluene	0.051	ug/L	U
591786	2-Hexanone	0.10	ug/L	U
79469	2-Nitropropane	0.051	ug/L	U
108101	2-Pentanone, 4-methyl-	0.10	ug/L	U
106434	4-Chlorotoluene	0.051	ug/L	U
67641	Acetone	0.26	ug/L	U
107131	Acrylonitrile	0.13	ug/L	UJ
107051	Allyl Chloride	0.051	ug/L	U
71432	Benzene	0.051	ug/L	U
95636	Benzene, 1,2,4-trimethyl	0.051	ug/L	U
95476	Benzene, 1,2-dimethyl-	0.051	ug/L	U
108678	Benzene, 1,3,5-trimethyl	0.051	ug/L	U
100414	Benzene, ethyl-	0.051	ug/L	U
108861	Bromobenzene	0.051	ug/L	U
74975	Bromochloromethane	0.051	ug/L	U

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			Result	Units	Qlfr
Analytes	: 75274	Bromodichloromethane	0.051	ug/L	U
	75252	Bromoform	0.051	ug/L	U
	74839	Bromomethane	0.051	ug/L	U
	75150	Carbon Disulfide	0.10	ug/L	U
	56235	Carbon Tetrachloride	0.051	ug/L	U
	107142	Chloroacetonitrile	0.13	ug/L	UJ
	108907	Chlorobenzene	0.051	ug/L	U
	75003	Chloroethane	0.051	ug/L	U
	67663	Chloroform	0.051	ug/L	U
	74873	Chloromethane	0.051	ug/L	U
	156592	**cis-1,2-Dichloroethene**	**0.0061**	**ug/L**	**J**
	10061015	Cis-1,3-Dichloropropene	0.054	ug/L	U
	124481	Dibromochloromethane	0.051	ug/L	U
	74953	Dibromomethane	0.051	ug/L	U
	75718	Dichlorodifluoromethane	0.051	ug/L	U
	60297	Diethyl ether	0.051	ug/L	U
	79345	Ethane, 1,1,2,2-tetrachl	0.051	ug/L	U
	97632	Ethylmethacrylate	0.051	ug/L	U
	76131	Freon 113	0.051	ug/L	U
	87683	Hexachlorobutadiene	0.13	ug/L	U
	67721	Hexachloroethane	0.051	ug/L	U
	98828	Isopropylbenzene	0.051	ug/L	U
	126987	Methacrylonitrile	0.051	ug/L	U
	96333	Methyl acrylate	0.051	ug/L	U
	74884	Methyl Iodide	0.051	ug/L	U
	80626	Methyl Methacrylate	0.051	ug/L	U
	1634044	Methyl-t-butyl ether	0.051	ug/L	U
	75092	Methylene Chloride	0.051	ug/L	U
	*1330207	MP-Xylene	0.10	ug/L	U
	104518	n-Butylbenzene	0.051	ug/L	U
	103651	n-Propylbenzene	0.051	ug/L	U
	91203	Naphthalene	0.13	ug/L	U
	99876	p-Isopropyltoluene	0.051	ug/L	U
	76017	Pentachloroethane	0.051	ug/L	U
	135988	sec-Butylbenzene	0.051	ug/L	U
	100425	Styrene	0.13	ug/L	U
	98066	Tert-butylbenzene	0.051	ug/L	U
	127184	**Tetrachloroethene**	**2.6**	**ug/L**	
	109999	Tetrahydrofuran	0.051	ug/L	UJ
	108883	**Toluene**	**0.015**	**ug/L**	**J**
	156605	trans-1,2-Dichloroethene	0.051	ug/L	U
	10061026	Trans-1,3-Dichloropropene	0.048	ug/L	U
	110576	trans-1,4-Dichloro-2-butene	0.051	ug/L	U
	79016	**Trichloroethene**	**15.1**	**ug/L**	
	75694	Trichlorofluoromethane	0.051	ug/L	U
	75014	Vinyl Chloride	0.051	ug/L	U
	2199691	1,2-Dichlorobenzene-d4	98	%Rec	
	17060070	1,2-Dichloroethane-d4	103	%Rec	

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			Result	Units	Qlfr
Analytes	: 540363	1,4-Difluorobenzene	100	%Rec	
	460004	p-Bromofluorobenzene	95	%Rec	
	2037265	Toluene-d8	101	%Rec	

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Project Code:	FSP-005A	**Collected:**	5/23/96
Project Name:	COEUR d'ALENE	**Matrix:**	Air
Project Officer:	MARK ADER	**Sample Number:**	96213844
Account Code:	96T10PTFA10Q6LA00	**Type:**	Reg sample
Station Description:	CP07GC12		

GCMS

Parameter : Volatiles
Method : 8260-M
Prep Method:
Analytes :

		Result	Units	Qlfr
513882	1,1-Dichloropropanone			REJ
630206	1,1,1,2-Tetrachloroethane	0.052	ug/L	U
71556	**1,1,1-Trichloroethane**	**0.011**	**ug/L**	**J**
79005	1,1,2-Trichloroethane	0.052	ug/L	U
75343	1,1-Dichloroethane	0.052	ug/L	U
75354	1,1-dichloroethene	0.052	ug/L	U
563586	1,1-Dichloropropene	0.052	ug/L	U
87616	1,2,3-Trichlorobenzene	0.13	ug/L	U
96184	1,2,3-Trichloropropane	0.052	ug/L	U
120821	1,2,4-Trichlorobenzene	0.13	ug/L	U
96128	1,2-Dibromo-3-chloropropane	0.052	ug/L	U
106934	1,2-Dibromoethane	0.052	ug/L	U
95501	1,2-Dichlorobenzene	0.052	ug/L	U
107062	1,2-Dichloroethane	0.052	ug/L	U
78875	1,2-Dichloropropane	0.052	ug/L	U
541731	1,3-Dichlorobenzene	0.052	ug/L	U
142289	1,3-Dichloropropane	0.052	ug/L	U
106467	1,4-Dichlorobenzene	0.052	ug/L	U
109693	1-Chlorobutane	0.052	ug/L	U
594207	2,2-Dichloropropane	0.052	ug/L	U
78933	2-Butanone	0.26	ug/L	U
95498	2-Chlorotoluene	0.052	ug/L	U
591786	2-Hexanone	0.10	ug/L	U
79469	2-Nitropropane	0.052	ug/L	U
108101	2-Pentanone, 4-methyl-	0.10	ug/L	U
106434	4-Chlorotoluene	0.052	ug/L	U
67641	Acetone	0.26	ug/L	U
107131	Acrylonitrile	0.13	ug/L	UJ
107051	Allyl Chloride	0.052	ug/L	U
71432	Benzene	0.052	ug/L	U
95636	Benzene, 1,2,4-trimethyl	0.052	ug/L	U
95476	Benzene, 1,2-dimethyl-	0.052	ug/L	U
108678	Benzene, 1,3,5-trimethyl	0.052	ug/L	U
100414	Benzene, ethyl-	0.052	ug/L	U
108861	Bromobenzene	0.052	ug/L	U
74975	Bromochloromethane	0.052	ug/L	U

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			Result	Units	Qlfr
Analytes :	75274	Bromodichloromethane	0.052	ug/L	U
	75252	Bromoform	0.052	ug/L	U
	74839	Bromomethane	0.052	ug/L	U
	75150	Carbon Disulfide	0.10	ug/L	U
	56235	Carbon Tetrachloride	0.052	ug/L	U
	107142	Chloroacetonitrile	0.13	ug/L	UJ
	108907	Chlorobenzene	0.052	ug/L	U
	75003	Chloroethane	0.052	ug/L	U
	67663	**Chloroform**	**0.018**	**ug/L**	**J**
	74873	Chloromethane	0.052	ug/L	U
	156592	cis-1,2-Dichloroethene	0.052	ug/L	U
	10061015	Cis-1,3-Dichloropropene	0.055	ug/L	U
	124481	Dibromochloromethane	0.052	ug/L	U
	74953	Dibromomethane	0.052	ug/L	U
	75718	Dichlorodifluoromethane	0.052	ug/L	U
	60297	Diethyl ether	0.052	ug/L	U
	79345	Ethane, 1,1,2,2-tetrachl	0.052	ug/L	U
	97632	Ethylmethacrylate	0.052	ug/L	U
	76131	Freon 113	0.052	ug/L	U
	87683	Hexachlorobutadiene	0.13	ug/L	U
	67721	Hexachloroethane	0.052	ug/L	U
	98828	Isopropylbenzene	0.052	ug/L	U
	126987	Methacrylonitrile	0.052	ug/L	U
	96333	Methyl acrylate	0.052	ug/L	U
	74884	Methyl Iodide	0.052	ug/L	U
	80626	Methyl Methacrylate	0.052	ug/L	U
	1634044	Methyl-t-butyl ether	0.052	ug/L	U
	75092	Methylene Chloride	0.052	ug/L	U
	*1330207	MP-Xylene	0.10	ug/L	U
	104518	n-Butylbenzene	0.052	ug/L	U
	103651	n-Propylbenzene	0.052	ug/L	U
	91203	Naphthalene	0.13	ug/L	U
	99876	p-Isopropyltoluene	0.052	ug/L	U
	76017	Pentachloroethane	0.052	ug/L	U
	135988	sec-Butylbenzene	0.052	ug/L	U
	100425	Styrene	0.13	ug/L	U
	98066	Tert-butylbenzene	0.052	ug/L	U
	127184	**Tetrachloroethene**	**0.081**	**ug/L**	
	109999	Tetrahydrofuran	0.052	ug/L	UJ
	108883	**Toluene**	**0.010**	**ug/L**	**J**
	156605	trans-1,2-Dichloroethene	0.052	ug/L	U
	10061026	Trans-1,3-Dichloropropene	0.049	ug/L	U
	110576	trans-1,4-Dichloro-2-butene	0.052	ug/L	U
	79016	**Trichloroethene**	**12.2**	**ug/L**	
	75694	Trichlorofluoromethane	0.052	ug/L	U
	75014	Vinyl Chloride	0.052	ug/L	U
	2199691	1,2-Dichlorobenzene-d4	100	%Rec	
	17060070	1,2-Dichloroethane-d4	108	%Rec	

96213844 Reg sample

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			Result	Units	Qlfr
Analytes	: 540363	1,4-Difluorobenzene	101	%Rec	
	460004	p-Bromofluorobenzene	95	%Rec	
	2037265	Toluene-d8	101	%Rec	

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Project Code: FSP-005A
Project Name: COEUR d'ALENE
Project Officer: MARK ADER
Account Code: 96T10PTFA10Q6LA00
Station Description:

Collected:
Matrix: Air
Sample Number: KBG6155
Type: Blank

GCMS

Parameter : Volatiles
Method : 8260-M
Prep Method:

Analytes			Result	Units	Qlfr
	513882	1,1-Dichloropropanone			REJ
	630206	1,1,1,2-Tetrachloroethane	0.02	ug/L	U
	71556	1,1,1-Trichloroethane	0.02	ug/L	U
	79005	1,1,2-Trichloroethane	0.02	ug/L	U
	75343	1,1-Dichloroethane	0.02	ug/L	U
	75354	1,1-dichloroethene	0.02	ug/L	U
	563586	1,1-Dichloropropene	0.02	ug/L	U
	87616	**1,2,3-Trichlorobenzene**	**0.061**	**ug/L**	
	96184	1,2,3-Trichloropropane	0.02	ug/L	U
	120821	1,2,4-Trichlorobenzene	0.05	ug/L	U
	96128	1,2-Dibromo-3-chloropropane	0.02	ug/L	U
	106934	1,2-Dibromoethane	0.02	ug/L	U
	95501	1,2-Dichlorobenzene	0.02	ug/L	U
	107062	1,2-Dichloroethane	0.02	ug/L	U
	78875	1,2-Dichloropropane	0.02	ug/L	U
	541731	1,3-Dichlorobenzene	0.02	ug/L	U
	142289	1,3-Dichloropropane	0.02	ug/L	U
	106467	1,4-Dichlorobenzene	0.02	ug/L	U
	109693	1-Chlorobutane	0.02	ug/L	U
	594207	2,2-Dichloropropane	0.02	ug/L	U
	78933	2-Butanone	0.1	ug/L	U
	95498	2-Chlorotoluene	0.02	ug/L	U
	591786	2-Hexanone	0.04	ug/L	U
	79469	2-Nitropropane	0.02	ug/L	U
	108101	2-Pentanone, 4-methyl-	0.04	ug/L	U
	106434	4-Chlorotoluene	0.02	ug/L	U
	67641	Acetone	0.1	ug/L	U
	107131	Acrylonitrile	0.05	ug/L	U
	107051	Allyl Chloride	0.02	ug/L	U
	71432	Benzene	0.02	ug/L	U
	95636	Benzene, 1,2,4-trimethyl	0.02	ug/L	U
	95476	Benzene, 1,2-dimethyl-	0.02	ug/L	U
	108678	Benzene, 1,3,5-trimethyl	0.02	ug/L	U
	100414	Benzene, ethyl-	0.02	ug/L	U
	108861	Bromobenzene	0.02	ug/L	U
	74975	Bromochloromethane	0.02	ug/L	U

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			Result	Units	Qlfr
Analytes	: 75274	Bromodichloromethane	0.02	ug/L	U
	75252	Bromoform	0.02	ug/L	U
	74839	Bromomethane	0.02	ug/L	U
	75150	Carbon Disulfide	0.04	ug/L	U
	56235	Carbon Tetrachloride	0.02	ug/L	U
	107142	Chloroacetonitrile	0.05	ug/L	U
	108907	Chlorobenzene	0.02	ug/L	U
	75003	Chloroethane	0.02	ug/L	U
	67663	Chloroform	0.02	ug/L	U
	74873	Chloromethane	0.02	ug/L	U
	156592	cis-1,2-Dichloroethene	0.02	ug/L	U
	10061015	Cis-1,3-Dichloropropene	0.021	ug/L	U
	124481	Dibromochloromethane	0.02	ug/L	U
	74953	Dibromomethane	0.02	ug/L	U
	75718	Dichlorodifluoromethane	0.02	ug/L	U
	60297	Diethyl ether	0.02	ug/L	U
	79345	Ethane, 1,1,2,2-tetrachl	0.02	ug/L	U
	97632	Ethylmethacrylate	0.02	ug/L	U
	76131	Freon 113	0.02	ug/L	U
	87683	Hexachlorobutadiene	0.05	ug/L	U
	67721	Hexachloroethane	0.02	ug/L	U
	98828	Isopropylbenzene	0.02	ug/L	U
	126987	Methacrylonitrile	0.02	ug/L	U
	96333	Methyl acrylate	0.02	ug/L	U
	74884	Methyl Iodide	0.02	ug/L	U
	80626	Methyl Methacrylate	0.02	ug/L	U
	1634044	Methyl-t-butyl ether	0.02	ug/L	U
	75092	Methylene Chloride	0.02	ug/L	U
	*1330207	MP-Xylene	0.04	ug/L	U
	104518	n-Butylbenzene	0.02	ug/L	U
	103651	n-Propylbenzene	0.02	ug/L	U
	91203	**Naphthalene**	**0.05**	**ug/L**	
	99876	p-Isopropyltoluene	0.02	ug/L	U
	76017	Pentachloroethane	0.02	ug/L	U
	135988	sec-Butylbenzene	0.02	ug/L	U
	100425	Styrene	0.02	ug/L	U
	98066	Tert-butylbenzene	0.02	ug/L	U
	127184	Tetrachloroethene	0.02	ug/L	U
	109999	Tetrahydrofuran	0.02	ug/L	U
	108883	Toluene	0.02	ug/L	U
	156605	trans-1,2-Dichloroethene	0.02	ug/L	U
	10061026	Trans-1,3-Dichloropropene	0.019	ug/L	U
	110576	trans-1,4-Dichloro-2-butene	0.02	ug/L	U
	79016	Trichloroethene	0.02	ug/L	U
	75694	Trichlorofluoromethane	0.02	ug/L	U
	75014	Vinyl Chloride	0.02	ug/L	U
	2199691	1,2-Dichlorobenzene-d4	99	%Rec	
	17060070	1,2-Dichloroethane-d4	97	%Rec	

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			Result	Units	Qlfr
Analytes	: 540363	1,4-Difluorobenzene	99	%Rec	
	460004	p-Bromofluorobenzene	94	%Rec	
	2037265	Toluene-d8	103	%Rec	

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Project Code: FSP-005A
Project Name: COEUR d'ALENE
Project Officer: MARK ADER
Account Code: 96T10PTFA10Q6LA00
Station Description:

Collected:
Matrix: Air
Sample Number: KBG6156
Type: Blank

GCMS

Parameter : Volatiles
Method : 8260-M
Prep Method:

Analytes			Result	Units	Qlfr
	513882	1,1-Dichloropropanone			REJ
	630206	1,1,1,2-Tetrachloroethane	0.02	ug/L	U
	71556	1,1,1-Trichloroethane	0.02	ug/L	U
	79005	1,1,2-Trichloroethane	0.02	ug/L	U
	75343	1,1-Dichloroethane	0.02	ug/L	U
	75354	1,1-dichloroethene	0.02	ug/L	U
	563586	1,1-Dichloropropene	0.02	ug/L	U
	87616	1,2,3-Trichlorobenzene	0.05	ug/L	U
	96184	1,2,3-Trichloropropane	0.02	ug/L	U
	120821	1,2,4-Trichlorobenzene	0.05	ug/L	U
	96128	1,2-Dibromo-3-chloropropane	0.02	ug/L	U
	106934	1,2-Dibromoethane	0.02	ug/L	U
	95501	1,2-Dichlorobenzene	0.02	ug/L	U
	107062	1,2-Dichloroethane	0.02	ug/L	U
	78875	1,2-Dichloropropane	0.02	ug/L	U
	541731	1,3-Dichlorobenzene	0.02	ug/L	U
	142289	1,3-Dichloropropane	0.02	ug/L	U
	106467	1,4-Dichlorobenzene	0.02	ug/L	U
	109693	1-Chlorobutane	0.02	ug/L	U
	594207	2,2-Dichloropropane	0.02	ug/L	U
	78933	2-Butanone	0.1	ug/L	U
	95498	2-Chlorotoluene	0.02	ug/L	U
	591786	2-Hexanone	0.04	ug/L	U
	79469	2-Nitropropane	0.02	ug/L	U
	108101	2-Pentanone, 4-methyl-	0.04	ug/L	U
	106434	4-Chlorotoluene	0.02	ug/L	U
	67641	Acetone	0.1	ug/L	U
	107131	Acrylonitrile	0.05	ug/L	U
	107051	Allyl Chloride	0.02	ug/L	U
	71432	Benzene	0.02	ug/L	U
	95636	Benzene, 1,2,4-trimethyl	0.02	ug/L	U
	95476	Benzene, 1,2-dimethyl-	0.02	ug/L	U
	108678	Benzene, 1,3,5-trimethyl	0.02	ug/L	U
	100414	Benzene, ethyl-	0.02	ug/L	U
	108861	Bromobenzene	0.02	ug/L	U
	74975	Bromochloromethane	0.02	ug/L	U

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			Result	Units	Qlfr
Analytes :	75274	Bromodichloromethane	0.02	ug/L	U
	75252	Bromoform	0.02	ug/L	U
	74839	Bromomethane	0.02	ug/L	U
	75150	Carbon Disulfide	0.04	ug/L	U
	56235	Carbon Tetrachloride	0.02	ug/L	U
	107142	Chloroacetonitrile	0.05	ug/L	U
	108907	Chlorobenzene	0.02	ug/L	U
	75003	Chloroethane	0.02	ug/L	U
	67663	Chloroform	0.02	ug/L	U
	74873	Chloromethane	0.02	ug/L	U
	156592	cis-1,2-Dichloroethene	0.02	ug/L	U
	10061015	Cis-1,3-Dichloropropene	0.021	ug/L	U
	124481	Dibromochloromethane	0.02	ug/L	U
	74953	Dibromomethane	0.02	ug/L	U
	75718	Dichlorodifluoromethane	0.02	ug/L	U
	60297	Diethyl ether	0.02	ug/L	U
	79345	Ethane, 1,1,2,2-tetrachl	0.02	ug/L	U
	97632	Ethylmethacrylate	0.02	ug/L	U
	76131	Freon 113	0.02	ug/L	U
	87683	Hexachlorobutadiene	0.05	ug/L	U
	67721	Hexachloroethane	0.02	ug/L	U
	98828	Isopropylbenzene	0.02	ug/L	U
	126987	Methacrylonitrile	0.02	ug/L	U
	96333	Methyl acrylate	0.02	ug/L	U
	74884	Methyl Iodide	0.02	ug/L	U
	80626	Methyl Methacrylate	0.02	ug/L	U
	1634044	Methyl-t-butyl ether	0.02	ug/L	U
	75092	Methylene Chloride	0.02	ug/L	U
	*1330207	MP-Xylene	0.04	ug/L	U
	104518	n-Butylbenzene	0.02	ug/L	U
	103651	n-Propylbenzene	0.02	ug/L	U
	91203	Naphthalene	0.05	ug/L	U
	99876	p-Isopropyltoluene	0.02	ug/L	U
	76017	Pentachloroethane	0.02	ug/L	U
	135988	sec-Butylbenzene	0.02	ug/L	U
	100425	Styrene	0.02	ug/L	U
	98066	Tert-butylbenzene	0.02	ug/L	U
	127184	Tetrachloroethene	0.02	ug/L	U
	109999	Tetrahydrofuran	0.02	ug/L	U
	108883	Toluene	0.02	ug/L	U
	156605	trans-1,2-Dichloroethene	0.02	ug/L	U
	10061026	Trans-1,3-Dichloropropene	0.019	ug/L	U
	110576	trans-1,4-Dichloro-2-butene	0.02	ug/L	U
	79016	Trichloroethene	0.02	ug/L	U
	75694	Trichlorofluoromethane	0.02	ug/L	U
	75014	Vinyl Chloride	0.02	ug/L	U
	2199691	1,2-Dichlorobenzene-d4	99	%Rec	
	17060070	1,2-Dichloroethane-d4	105	%Rec	

KBG6156 Blank

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			Result	Units	Qlfr
Analytes	: 540363	1,4-Difluorobenzene	101	%Rec	
	460004	p-Bromofluorobenzene	94	%Rec	
	2037265	Toluene-d8	100	%Rec	

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Project Code: FSP-005A
Project Name: COEUR d'ALENE
Project Officer: MARK ADER
Account Code: 96T10PTFA10Q6LA00
Station Description:

Collected:
Matrix: Air
Sample Number: KBG6157
Type: Blank

GCMS

Parameter : Volatiles
Method : 8260-M
Prep Method:

Analytes			Result	Units	Qlfr
	513882	1,1-Dichloropropanone			REJ
	630206	1,1,1,2-Tetrachloroethane	0.02	ug/L	U
	71556	1,1,1-Trichloroethane	0.02	ug/L	U
	79005	1,1,2-Trichloroethane	0.02	ug/L	U
	75343	1,1-Dichloroethane	0.02	ug/L	U
	75354	1,1-dichloroethene	0.02	ug/L	U
	563586	1,1-Dichloropropene	0.02	ug/L	U
	87616	1,2,3-Trichlorobenzene	0.05	ug/L	U
	96184	1,2,3-Trichloropropane	0.02	ug/L	U
	120821	1,2,4-Trichlorobenzene	0.05	ug/L	U
	96128	1,2-Dibromo-3-chloropropane	0.02	ug/L	U
	106934	1,2-Dibromoethane	0.02	ug/L	U
	95501	1,2-Dichlorobenzene	0.02	ug/L	U
	107062	1,2-Dichloroethane	0.02	ug/L	U
	78875	1,2-Dichloropropane	0.02	ug/L	U
	541731	1,3-Dichlorobenzene	0.02	ug/L	U
	142289	1,3-Dichloropropane	0.02	ug/L	U
	106467	1,4-Dichlorobenzene	0.02	ug/L	U
	109693	1-Chlorobutane	0.02	ug/L	U
	594207	2,2-Dichloropropane	0.02	ug/L	U
	78933	2-Butanone	0.1	ug/L	U
	95498	2-Chlorotoluene	0.02	ug/L	U
	591786	2-Hexanone	0.04	ug/L	U
	79469	2-Nitropropane	0.02	ug/L	U
	108101	2-Pentanone, 4-methyl-	0.04	ug/L	U
	106434	4-Chlorotoluene	0.02	ug/L	U
	67641	Acetone	0.04	ug/L	U
	107131	Acrylonitrile	0.05	ug/L	U
	107051	Allyl Chloride	0.02	ug/L	U
	71432	Benzene	0.02	ug/L	U
	95636	Benzene, 1,2,4-trimethyl	0.02	ug/L	U
	95476	Benzene, 1,2-dimethyl-	0.02	ug/L	U
	108678	Benzene, 1,3,5-trimethyl	0.02	ug/L	U
	100414	Benzene, ethyl-	0.02	ug/L	U
	108861	Bromobenzene	0.02	ug/L	U
	74975	Bromochloromethane	0.02	ug/L	U

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			Result	Units	Qlfr
Analytes	: 75274	Bromodichloromethane	0.02	ug/L	U
	75252	Bromoform	0.02	ug/L	U
	74839	Bromomethane	0.02	ug/L	U
	75150	Carbon Disulfide	0.04	ug/L	U
	56235	Carbon Tetrachloride	0.02	ug/L	U
	107142	Chloroacetonitrile	0.05	ug/L	U
	108907	Chlorobenzene	0.02	ug/L	U
	75003	Chloroethane	0.02	ug/L	U
	67663	Chloroform	0.02	ug/L	U
	74873	Chloromethane	0.02	ug/L	U
	156592	cis-1,2-Dichloroethene	0.02	ug/L	U
	10061015	Cis-1,3-Dichloropropene	0.021	ug/L	U
	124481	Dibromochloromethane	0.02	ug/L	U
	74953	Dibromomethane	0.02	ug/L	U
	75718	Dichlorodifluoromethane	0.02	ug/L	U
	60297	Diethyl ether	0.02	ug/L	U
	79345	Ethane, 1,1,2,2-tetrachl	0.02	ug/L	U
	97632	Ethylmethacrylate	0.02	ug/L	U
	76131	Freon 113	0.02	ug/L	U
	87683	Hexachlorobutadiene	0.05	ug/L	U
	67721	Hexachloroethane	0.02	ug/L	U
	98828	Isopropylbenzene	0.02	ug/L	U
	126987	Methacrylonitrile	0.02	ug/L	U
	96333	Methyl acrylate	0.02	ug/L	U
	74884	Methyl Iodide	0.02	ug/L	U
	80626	Methyl Methacrylate	0.02	ug/L	U
	1634044	Methyl-t-butyl ether	0.02	ug/L	U
	75092	Methylene Chloride	0.02	ug/L	U
	*1330207	MP-Xylene	0.04	ug/L	U
	104518	n-Butylbenzene	0.02	ug/L	U
	103651	n-Propylbenzene	0.02	ug/L	U
	91203	Naphthalene	0.05	ug/L	U
	99876	p-Isopropyltoluene	0.02	ug/L	U
	76017	Pentachloroethane	0.02	ug/L	U
	135988	sec-Butylbenzene	0.02	ug/L	U
	100425	Styrene	0.02	ug/L	U
	98066	Tert-butylbenzene	0.02	ug/L	U
	127184	Tetrachloroethene	0.02	ug/L	U
	109999	Tetrahydrofuran	0.02	ug/L	U
	108883	Toluene	0.02	ug/L	U
	156605	trans-1,2-Dichloroethene	0.02	ug/L	U
	10061026	Trans-1,3-Dichloropropene	0.019	ug/L	U
	110576	trans-1,4-Dichloro-2-butene	0.02	ug/L	U
	79016	Trichloroethene	0.02	ug/L	U
	75694	Trichlorofluoromethane	0.02	ug/L	U
	75014	Vinyl Chloride	0.02	ug/L	U
	2199691	1,2-Dichlorobenzene-d4	100	%Rec	
	17060070	1,2-Dichloroethane-d4	108	%Rec	

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			Result	Units	Qlfr
Analytes :	540363	1,4-Difluorobenzene	100	%Rec	
	460004	p-Bromofluorobenzene	97	%Rec	
	2037265	Toluene-d8	102	%Rec	
Parameter :	Volatiles - Tentatives				
Method :	8260-M				
Prep Method:					
Analytes :	***3008001**	**Unknown 01**	**12.6**	**ug/L**	**JN**

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Project Code: FSP-005A
Project Name: COEUR d'ALENE
Project Officer: MARK ADER
Account Code: 96T10PTFA10Q6LA00
Station Description:

Collected:
Matrix: Air
Sample Number: KBG6158
Type: Blank

GCMS

Parameter : Volatiles
Method : 8260-M
Prep Method:
Analytes :

		Result	Units	Qlfr
513882	1,1-Dichloropropanone			REJ
630206	1,1,1,2-Tetrachloroethane	0.02	ug/L	U
71556	1,1,1-Trichloroethane	0.02	ug/L	U
79005	1,1,2-Trichloroethane	0.02	ug/L	U
75343	1,1-Dichloroethane	0.02	ug/L	U
75354	1,1-dichloroethene	0.02	ug/L	U
563586	1,1-Dichloropropene	0.02	ug/L	U
87616	1,2,3-Trichlorobenzene	0.05	ug/L	U
96184	1,2,3-Trichloropropane	0.02	ug/L	U
120821	1,2,4-Trichlorobenzene	0.05	ug/L	U
96128	1,2-Dibromo-3-chloropropane	0.02	ug/L	U
106934	1,2-Dibromoethane	0.02	ug/L	U
95501	1,2-Dichlorobenzene	0.02	ug/L	U
107062	1,2-Dichloroethane	0.02	ug/L	U
78875	1,2-Dichloropropane	0.02	ug/L	U
541731	1,3-Dichlorobenzene	0.02	ug/L	U
142289	1,3-Dichloropropane	0.02	ug/L	U
106467	1,4-Dichlorobenzene	0.02	ug/L	U
109693	1-Chlorobutane	0.02	ug/L	U
594207	2,2-Dichloropropane	0.02	ug/L	U
78933	2-Butanone	0.1	ug/L	U
95498	2-Chlorotoluene	0.02	ug/L	U
591786	2-Hexanone	0.04	ug/L	U
79469	2-Nitropropane	0.02	ug/L	U
108101	2-Pentanone, 4-methyl-	0.04	ug/L	U
106434	4-Chlorotoluene	0.02	ug/L	U
67641	Acetone	0.04	ug/L	U
107131	Acrylonitrile	0.05	ug/L	U
107051	Allyl Chloride	0.02	ug/L	U
71432	Benzene	0.02	ug/L	U
95636	Benzene, 1,2,4-trimethyl	0.02	ug/L	U
95476	Benzene, 1,2-dimethyl-	0.02	ug/L	U
108678	Benzene, 1,3,5-trimethyl	0.02	ug/L	U
100414	Benzene, ethyl-	0.02	ug/L	U
108861	Bromobenzene	0.02	ug/L	U
74975	Bromochloromethane	0.02	ug/L	U

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			Result	Units	Qlfr
Analytes :	75274	Bromodichloromethane	0.02	ug/L	U
	75252	Bromoform	0.02	ug/L	U
	74839	Bromomethane	0.02	ug/L	U
	75150	Carbon Disulfide	0.04	ug/L	U
	56235	Carbon Tetrachloride	0.02	ug/L	U
	107142	Chloroacetonitrile	0.05	ug/L	U
	108907	Chlorobenzene	0.02	ug/L	U
	75003	Chloroethane	0.02	ug/L	U
	67663	Chloroform	0.02	ug/L	U
	74873	Chloromethane	0.02	ug/L	U
	156592	cis-1,2-Dichloroethene	0.02	ug/L	U
	10061015	Cis-1,3-Dichloropropene	0.021	ug/L	U
	124481	Dibromochloromethane	0.02	ug/L	U
	74953	Dibromomethane	0.02	ug/L	U
	75718	Dichlorodifluoromethane	0.02	ug/L	U
	60297	Diethyl ether	0.02	ug/L	U
	79345	Ethane, 1,1,2,2-tetrachl	0.02	ug/L	U
	97632	Ethylmethacrylate	0.02	ug/L	U
	76131	Freon 113	0.02	ug/L	U
	87683	Hexachlorobutadiene	0.05	ug/L	U
	67721	Hexachloroethane	0.02	ug/L	U
	98828	Isopropylbenzene	0.02	ug/L	U
	126987	Methacrylonitrile	0.02	ug/L	U
	96333	Methyl acrylate	0.02	ug/L	U
	74884	Methyl Iodide	0.02	ug/L	U
	80626	Methyl Methacrylate	0.02	ug/L	U
	1634044	Methyl-t-butyl ether	0.02	ug/L	U
	75092	Methylene Chloride	0.02	ug/L	U
	*1330207	MP-Xylene	0.04	ug/L	U
	104518	n-Butylbenzene	0.02	ug/L	U
	103651	n-Propylbenzene	0.02	ug/L	U
	91203	Naphthalene	0.05	ug/L	U
	99876	p-Isopropyltoluene	0.02	ug/L	U
	76017	Pentachloroethane	0.02	ug/L	U
	135988	sec-Butylbenzene	0.02	ug/L	U
	100425	Styrene	0.02	ug/L	U
	98066	Tert-butylbenzene	0.02	ug/L	U
	127184	Tetrachloroethene	0.02	ug/L	U
	109999	Tetrahydrofuran	0.02	ug/L	U
	108883	Toluene	0.02	ug/L	U
	156605	trans-1,2-Dichloroethene	0.02	ug/L	U
	10061026	Trans-1,3-Dichloropropene	0.019	ug/L	U
	110576	trans-1,4-Dichloro-2-butene	0.02	ug/L	U
	79016	Trichloroethene	0.02	ug/L	U
	75694	Trichlorofluoromethane	0.02	ug/L	U
	75014	Vinyl Chloride	0.02	ug/L	U
	2199691	1,2-Dichlorobenzene-d4	99	%Rec	
	17060070	1,2-Dichloroethane-d4	109	%Rec	

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			Result	Units	Qlfr
Analytes	: 540363	1,4-Difluorobenzene	100	%Rec	
	460004	p-Bromofluorobenzene	95	%Rec	
	2037265	Toluene-d8	100	%Rec	
Parameter	: Volatiles - Tentatives				
Method	: 8260-M				
Prep Method:					
Analytes	: ***3008001**	**Unknown 01**	**10.3**	**ug/L**	**JN**
	***3008002**	**Unknown 02**	**10.7**	**ug/L**	**JN**

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 10 LABORATORY
7411 Beach Dr. East
Port Orchard, Washington 98366

July 15, 1996

MEMORANDUM

SUBJECT: Report of Data Validation of FASP VOA Results for the Coeur d'Alene ESI Project Samples 96203101, 96203103, 96203105, 96203107, 96203110, 96203115, 96203117, 96203119, 96203122, 96203124, 96203126, 96203127, 96203129, 96203131, 96203132, 96203133, 96203135, 96203136, 96203137, 96203138, 96203139, 96203140, 96203142, 96203144, 96203146, 96203148, 96203154, 96203159, 96203160, 96203161, 96203162, 96203163, 96203164, 96203165, 96203166, 96203167, 96203168, 96203169, 96213800, 96213801, 96213802, 96213803, 96213804, 96213805, 96213806, and 96213807.

FROM: Gerald H. Dodo, Chemist
USEPA

TO: Mark Ader, Project Officer
USEPA

CC: Mark Longtine, E&E

The following is a QA data validation report of the selected VOA analyses' results for soil gas and soil samples collected for the Coeur d'Alene ESI project. The soil gas samples were collected in tedlar bags and VOA solid sorbent traps. The samples were collected and analyzed for selected chlorinated VOAs using the FASP methods described in the "ESAT Sampling and Analysis Plan and Site Safety Plan", 5/96 (document 10A-9507) by the USEPA Region 10 Laboratory ESAT staff at the site location. As a modification, the soil samples were analyzed using an external instead of internal standard technique. The analyses results were delivered as ESAT document number ESAT-10A-9120 under Technical Direction Form 3124. This report covers the samples listed above.

The project code for these samples is FSP-005A and the account number is 10PTFA10Q6.

Data qualifications

The following comments refer to laboratory performance meeting the Quality Control specifications outlined in the "ESAT Sampling and Analysis Plan and Site Safety Plan", 5/96 (document

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10A-9507) and the USEPA Laboratory Data Validation Functional Guidelines for Evaluating Organics Analyses (12/94).

I. Holding Times:

All soil samples were analyzed within the 14-day holding time. All soil gas samples were analyzed within the 4-hour holding time for tedlar bags or 24-hour holding time for VOA traps except for samples 96203101, 96203103, 96203105, 96203107, and 96203110. These soil gas samples were collected in tedlar bags and were analyzed 1-18 hours past the holding time maximum. The reported results for these five samples are expected to be biased low and were qualified J if detected, UJ if non-detected.

II. GC/MS Tuning and Performance: Acceptable

The tuning summary agreed with the raw data. All bromofluorobenzene ion abundance met criteria. Sample analyses were preceded by a tune less than 12 hours prior to analysis.

III. Initial Calibration:

A four point initial calibration was performed on 05/11/96 for the target compounds. All calibration curves resulted with $r^2 \geq 0.995$. The quantitation limit for 1,1,2,2-tetrachloroethane was elevated due to the lack of accuracy for the lower calibration standard.

IV. Continuing Calibration:

The continuing calibration check standards met the criteria for frequency of analysis and RRT windows for all target compounds. The calculation of the % recoveries was checked and the calculation method was correct. The recoveries for the target compounds met the criteria of 65-135% except for the following:

05/14/96 Samples 96203107, 96203110, 96203115, 96203117, 96203119, 96203122, 96203124, and 96203126.

Trans-1,2-dichloroethene, 1,2-dichloroethane, 1,1,1,2-tetrachloroethane, and 1,1,2,2-tetrachloroethane resulted with recoveries >135% for the first continuing calibration check standard. The associated detected results for these compounds were qualified J.

05/15/96 Samples 96203127, 96203129, 96203131, 96203132, 96203133, 96203135, 96203136, and 96203137.

Vinyl chloride and trans-1,2-dichloroethene resulted with recoveries >135% for the first continuing calibration check standard. The associated detected results for these compounds were qualified J.

05/16/96 Samples 96203138, 96203139, 96203140, 96203142, 96203144, 96203146, and 96203148.

Trans-1,2-dichloroethene resulted with a recovery >135% for the first continuing calibration check standard. The associated detected results for this compound were qualified J.

05/17/96 Samples 96203154, 96203159, and 96203160.

Trans-1,2-dichloroethene resulted with a recovery >135% for the first continuing calibration check standard. The associated detected results for this compound were qualified J.

05/20/96 Samples 96213800, 96213802, and 96213803.

Trans-1,2-dichloroethene resulted with a recovery >135% for the first continuing calibration check standard. The associated detected results for this compound were qualified J.

05/21/96 Samples 96213804, 96213806, 96213807, 96213813, Matrix Spikes 96213801S1, and 96213801S2.

Trans-1,2-dichloroethene resulted with a recovery >135% for the first continuing calibration check standard. The associated detected results for this compound were qualified J.

V. Blanks: Acceptable

Instrument blanks were analyzed frequently to verify that the instrument was clean before sample analyses. No significant amounts of the target compounds were detected in the blanks just prior to sample analyses.

VI. Spiked Blank:

Sample 96203148 was a spiked blank tedlar bag. The spike level was at 5ng. Recoveries were within 50-150% except for the following:

Compound	%Rec.
vinyl chloride	43
1,1,1-trichloroethane	209
1,1,2,2-tetrachloroethane	223

The vinyl chloride results for soil gas samples in tedlar bags were qualified J if detected and UJ if non-detected due to the low recovery above. All 1,1,1-trichloroethane detected results for soil gas samples in tedlar bags were qualified J. No qualifiers were applied based on the 1,1,2,2-tetrachloroethane recovery above due to the spike level being below the elevated quantitation limit for this compound.

VII. Matrix Spike/Matrix Spike Duplicate (MS/MSD): Acceptable

An MS/MSD pair was analyzed using soil sample 96213801 (96213801S1/S2). All recoveries were within 50-150%. No qualifiers were applied based on the MS/MSD results.

VIII. Target Compound Identification: Acceptable

All detected target compounds' relative retention times were within acceptable limits. Criteria were met for mass spectral ion matching and ion abundance matching or the mass spectra were judged acceptable.

IX. Compound Quantitation:

Compound quantitation was evaluated and found to be correct. Some compounds were detected in this sample set at levels below the lowest calibration concentration of the initial calibration curve. Since the Practical Quantitation Limit is based on this lowest initial calibration standard, these values were assigned the J qualifier.

The reported result for the following compound and sample were qualified J as the amount measured was above the calibration range:

Sample	Compound
96203127	trichloroethene

Overall Assessment for the Case

The usefulness of the data is based on the criteria outlined in the "ESAT Sampling and Analysis Plan and Site Safety Plan", 5/96, and the USEPA Laboratory Data Validation Functional Guidelines for Evaluating Organics Analyses (12/94).

All requirements for data qualifiers from the preceding sections were accumulated. Each sample data summary sheet and each compound was checked for positive or negative results. From this the overall need for data qualifiers for each analysis was determined. In cases where more than one of the preceding sections required data qualifiers, the most restrictive qualifier has been added to the data.

In general, all unqualified results can be used in the manner intended for field analytical methods' analyses. The usefulness of qualified data should be treated according to the severity of the qualifier. Should questions arise regarding the qualification of data and its relation to the usefulness, the reader is encouraged to contact the Region 10 laboratory.

DATA QUALIFIERS

U	-	The analyte was not detected at or above the reported result.
J	-	The analyte was positively identified. The associated numerical result is an estimate.
EXP	-	The result is equal to the number before EXP times 10 to the power of the number after EXP. As an example 3EXP6 equals 3×10^6.
REJ	-	The data are unusable for all purposes.
N	-	There is evidence the analyte is present in this sample.
NJ	-	There is evidence that the analyte is present. The associated numerical result is an estimate.
UJ	-	The analyte was not detected at or above the reported estimated result. The associated numerical value is an estimate of the quantitation limit of the analyte in this sample.
NAF	-	Not analyzed for.
NAR	-	No analytical result.
*	-	The analyte was present in the sample. (Visual aid to locate detected compounds on the report sheet.)

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Final Report

Project Code: FSP-005A
Project Name: COEUR d'ALENE
Project Officer: MARK ADER
Account Code: 96T10PTFA10Q6LA00
Station Description:

Collected: 0:32
Matrix: Air
Sample Number: 96203101
Type: Reg sample

			Result	Units	Qlfr
FASP					
Parameter :	Volatiles				
Method :	FASP-037				
Prep Method:	00	unspecified			
Analytes :	630206	1,1,1,2-Tetrachloroethane	1.00	ug/L	UJ
	71556	1,1,1-Trichloroethane	1.00	ug/L	UJ
	79005	1,1,2-Trichloroethane	1.00	ug/L	UJ
	75343	1,1-Dichloroethane	1.00	ug/L	UJ
	75354	1,1-dichloroethene	1.00	ug/L	UJ
	107062	1,2-Dichloroethane	1.00	ug/L	UJ
	156592	cis-1,2-Dichloroethene	1.00	ug/L	UJ
	79345	Ethane, 1,1,2,2-tetrachl	10	ug/L	UJ
	127184	**Tetrachloroethene**	**1.20**	**ug/L**	**J**
	156605	trans-1,2-Dichloroethene	1.00	ug/L	UJ
	79016	**Trichloroethene**	**4.23**	**ug/L**	**J**
	75014	Vinyl Chloride	1.00	ug/L	UJ

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Project Code:	FSP-005A	**Collected:**	0:33
Project Name:	COEUR d'ALENE	**Matrix:**	Air
Project Officer:	MARK ADER	**Sample Number:**	96203103
Account Code:	96T10PTFA10Q6LA00	**Type:**	Reg sample
Station Description:			

			Result	Units	Qlfr
FASP					
Parameter	: Volatiles				
Method	: FASP-037				
Prep Method	: 00	unspecified			
Analytes	: 630206	1,1,1,2-Tetrachloroethane	0.50	ug/L	UJ
	71556	1,1,1-Trichloroethane	0.50	ug/L	UJ
	79005	1,1,2-Trichloroethane	0.50	ug/L	UJ
	75343	1,1-Dichloroethane	0.50	ug/L	UJ
	75354	1,1-dichloroethene	0.50	ug/L	UJ
	107062	1,2-Dichloroethane	0.50	ug/L	UJ
	156592	cis-1,2-Dichloroethene	0.50	ug/L	UJ
	79345	Ethane, 1,1,2,2-tetrachl	5	ug/L	UJ
	127184	Tetrachloroethene	0.50	ug/L	UJ
	156605	trans-1,2-Dichloroethene	0.50	ug/L	UJ
	79016	**Trichloroethene**	**1.22**	**ug/L**	**J**
	75014	Vinyl Chloride	0.50	ug/L	UJ

Manchester Environmental Laboratory
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Project Code: FSP-005A
Project Name: COEUR d'ALENE
Project Officer: MARK ADER
Account Code: 96T10PTFA10Q6LA00
Station Description:

Collected: 0:36
Matrix: Air
Sample Number: 96203105
Type: Reg sample

			Result	Units	Qlfr
FASP					
Parameter :	Volatiles				
Method :	FASP-037				
Prep Method:	00	unspecified			
Analytes :	630206	1,1,1,2-Tetrachloroethane	0.25	ug/L	UJ
	71556	1,1,1-Trichloroethane	0.25	ug/L	UJ
	79005	1,1,2-Trichloroethane	0.25	ug/L	UJ
	75343	1,1-Dichloroethane	0.25	ug/L	UJ
	75354	1,1-dichloroethene	0.25	ug/L	UJ
	107062	1,2-Dichloroethane	0.25	ug/L	UJ
	156592	cis-1,2-Dichloroethene	0.25	ug/L	UJ
	79345	Ethane, 1,1,2,2-tetrachl	2.5	ug/L	UJ
	127184	**Tetrachloroethene**	**0.30**	**ug/L**	**J**
	156605	trans-1,2-Dichloroethene	0.25	ug/L	UJ
	79016	**Trichloroethene**	**3.14**	**ug/L**	**J**
	75014	Vinyl Chloride	0.25	ug/L	UJ

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Project Code:	FSP-005A	**Collected:**	0:41
Project Name:	COEUR d'ALENE	**Matrix:**	Air
Project Officer:	MARK ADER	**Sample Number:**	96203107
Account Code:	96T10PTFA10Q6LA00	**Type:**	Reg sample
Station Description:			

			Result	Units	Qlfr
FASP					
Parameter	: Volatiles				
Method	: FASP-037				
Prep Method	: 00	unspecified			
Analytes	: 630206	1,1,1,2-Tetrachloroethane	1.00	ug/L	UJ
	71556	1,1,1-Trichloroethane	1.00	ug/L	UJ
	79005	1,1,2-Trichloroethane	1.00	ug/L	UJ
	75343	1,1-Dichloroethane	1.00	ug/L	UJ
	75354	1,1-dichloroethene	1.00	ug/L	UJ
	107062	1,2-Dichloroethane	1.00	ug/L	UJ
	156592	cis-1,2-Dichloroethene	1.00	ug/L	UJ
	79345	Ethane, 1,1,2,2-tetrachl	10	ug/L	UJ
	127184	**Tetrachloroethene**	**8.41**	**ug/L**	**J**
	156605	trans-1,2-Dichloroethene	1.00	ug/L	UJ
	79016	**Trichloroethene**	**11.4**	**ug/L**	**J**
	75014	Vinyl Chloride	1.00	ug/L	UJ

Manchester Environmental Laboratory
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Project Code: FSP-005A
Project Name: COEUR d'ALENE
Project Officer: MARK ADER
Account Code: 96T10PTFA10Q6LA00
Station Description:

Collected: 0:44
Matrix: Air
Sample Number: 96203110
Type: Reg sample

FASP

Parameter : Volatiles
Method : FASP-037
Prep Method: 00 unspecified

Analytes		Result	Units	Qlfr
630206	1,1,1,2-Tetrachloroethane	1.00	ug/L	UJ
71556	1,1,1-Trichloroethane	1.00	ug/L	UJ
79005	1,1,2-Trichloroethane	1.00	ug/L	UJ
75343	1,1-Dichloroethane	1.00	ug/L	UJ
75354	1,1-dichloroethene	1.00	ug/L	UJ
107062	1,2-Dichloroethane	1.00	ug/L	UJ
156592	cis-1,2-Dichloroethene	1.00	ug/L	UJ
79345	Ethane, 1,1,2,2-tetrachl	10	ug/L	UJ
127184	**Tetrachloroethene**	**1.75**	**ug/L**	**J**
156605	trans-1,2-Dichloroethene	1.00	ug/L	UJ
79016	**Trichloroethene**	**29.1**	**ug/L**	**J**
75014	Vinyl Chloride	1.00	ug/L	UJ

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Project Code:	FSP-005A	**Collected:**	0:33
Project Name:	COEUR d'ALENE	**Matrix:**	Air
Project Officer:	MARK ADER	**Sample Number:**	96203115
Account Code:	96T10PTFA10Q6LA00	**Type:**	Reg sample
Station Description:			

			Result	Units	Qlfr
FASP					
Parameter	: Volatiles				
Method	: FASP-038				
Prep Method	: 00	unspecified			
Analytes	: 630206	1,1,1,2-Tetrachloroethane	0.10	ug/L	U
	71556	1,1,1-Trichloroethane	0.10	ug/L	U
	79005	1,1,2-Trichloroethane	0.10	ug/L	U
	75343	1,1-Dichloroethane	0.10	ug/L	U
	75354	1,1-dichloroethene	0.10	ug/L	U
	107062	1,2-Dichloroethane	0.10	ug/L	U
	156592	cis-1,2-Dichloroethene	0.10	ug/L	U
	79345	Ethane, 1,1,2,2-tetrachl	1.0	ug/L	U
	127184	**Tetrachloroethene**	**0.46**	**ug/L**	
	156605	trans-1,2-Dichloroethene	0.10	ug/L	U
	79016	**Trichloroethene**	**5.76**	**ug/L**	
	75014	Vinyl Chloride	0.10	ug/L	UJ

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Project Code:	FSP-005A	**Collected:**	0:36
Project Name:	COEUR d'ALENE	**Matrix:**	Air
Project Officer:	MARK ADER	**Sample Number:**	96203117
Account Code:	96T10PTFA10Q6LA00	**Type:**	Reg sample
Station Description:			

			Result	Units	Qlfr
FASP					
Parameter	: Volatiles				
Method	: FASP-037				
Prep Method	: 00	unspecified			
Analytes	: 630206	1,1,1,2-Tetrachloroethane	0.20	ug/L	U
	71556	**1,1,1-Trichloroethane**	**0.35**	**ug/L**	
	79005	1,1,2-Trichloroethane	0.20	ug/L	U
	75343	1,1-Dichloroethane	0.20	ug/L	U
	75354	1,1-dichloroethene	0.20	ug/L	U
	107062	1,2-Dichloroethane	0.20	ug/L	U
	156592	cis-1,2-Dichloroethene	0.20	ug/L	U
	79345	Ethane, 1,1,2,2-tetrachl	2.0	ug/L	U
	127184	**Tetrachloroethene**	**6.75**	**ug/L**	
	156605	trans-1,2-Dichloroethene	0.20	ug/L	U
	79016	**Trichloroethene**	**1.23**	**ug/L**	
	75014	Vinyl Chloride	0.20	ug/L	UJ

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Project Code:	FSP-005A	**Collected:**	0:39
Project Name:	COEUR d'ALENE	**Matrix:**	Air
Project Officer:	MARK ADER	**Sample Number:**	96203119
Account Code:	96T10PTFA10Q6LA00	**Type:**	Reg sample
Station Description:			

			Result	Units	Qlfr
FASP					
Parameter	: Volatiles				
Method	: FASP-037				
Prep Method	: 00	unspecified			
Analytes	: 630206	1,1,1,2-Tetrachloroethane	0.20	ug/L	U
	71556	1,1,1-Trichloroethane	0.20	ug/L	U
	79005	1,1,2-Trichloroethane	0.20	ug/L	U
	75343	1,1-Dichloroethane	0.20	ug/L	U
	75354	1,1-dichloroethene	0.20	ug/L	U
	107062	1,2-Dichloroethane	0.20	ug/L	U
	156592	cis-1,2-Dichloroethene	0.20	ug/L	U
	79345	Ethane, 1,1,2,2-tetrachl	2.0	ug/L	U
	127184	**Tetrachloroethene**	**0.30**	**ug/L**	
	156605	trans-1,2-Dichloroethene	0.20	ug/L	U
	79016	**Trichloroethene**	**1.71**	**ug/L**	
	75014	Vinyl Chloride	0.20	ug/L	UJ

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Project Code: FSP-005A
Project Name: COEUR d'ALENE
Project Officer: MARK ADER
Account Code: 96T10PTFA10Q6LA00
Station Description:

Collected: 0:45
Matrix: Air
Sample Number: 96203122
Type: Reg sample

FASP

Parameter : Volatiles
Method : FASP-037
Prep Method: 00 unspecified

Analytes		Result	Units	Qlfr
630206	1,1,1,2-Tetrachloroethane	1.00	ug/L	U
71556	1,1,1-Trichloroethane	1.00	ug/L	U
79005	1,1,2-Trichloroethane	1.00	ug/L	U
75343	1,1-Dichloroethane	1.00	ug/L	U
75354	1,1-dichloroethene	1.00	ug/L	U
107062	1,2-Dichloroethane	1.00	ug/L	U
156592	cis-1,2-Dichloroethene	1.00	ug/L	U
79345	Ethane, 1,1,2,2-tetrachl	10	ug/L	U
127184	Tetrachloroethene	1.00	ug/L	U
156605	trans-1,2-Dichloroethene	1.00	ug/L	U
79016	**Trichloroethene**	**3.32**	**ug/L**	
75014	Vinyl Chloride	1.00	ug/L	UJ

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Project Code: FSP-005A
Project Name: COEUR d'ALENE
Project Officer: MARK ADER
Account Code: 96T10PTFA10Q6LA00
Station Description:

Collected: 0:48
Matrix: Air
Sample Number: 96203124
Type: Reg sample

			Result	Units	Qlfr
FASP					
Parameter	: Volatiles				
Method	: FASP-037				
Prep Method	: 00	unspecified			
Analytes	: 630206	1,1,1,2-Tetrachloroethane	0.50	ug/L	U
	71556	1,1,1-Trichloroethane	0.50	ug/L	U
	79005	1,1,2-Trichloroethane	0.50	ug/L	U
	75343	1,1-Dichloroethane	0.50	ug/L	U
	75354	1,1-dichloroethene	0.50	ug/L	U
	107062	1,2-Dichloroethane	0.50	ug/L	U
	156592	cis-1,2-Dichloroethene	0.50	ug/L	U
	79345	Ethane, 1,1,2,2-tetrachl	5.0	ug/L	U
	127184	Tetrachloroethene	0.50	ug/L	U
	156605	trans-1,2-Dichloroethene	0.50	ug/L	U
	79016	Trichloroethene	2.84	ug/L	
	75014	Vinyl Chloride	0.50	ug/L	UJ

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Project Code:	FSP-005A	**Collected:**	0:51
Project Name:	COEUR d'ALENE	**Matrix:**	Air
Project Officer:	MARK ADER	**Sample Number:**	96203126
Account Code:	96T10PTFA10Q6LA00	**Type:**	Reg sample
Station Description:			

FASP

Parameter : Volatiles
Method : FASP-037
Prep Method: 00 unspecified

Analytes		Result	Units	Qlfr
630206	1,1,1,2-Tetrachloroethane	0.20	ug/L	U
71556	1,1,1-Trichloroethane	0.20	ug/L	U
79005	1,1,2-Trichloroethane	0.20	ug/L	U
75343	1,1-Dichloroethane	0.20	ug/L	U
75354	1,1-dichloroethene	0.20	ug/L	U
107062	1,2-Dichloroethane	0.20	ug/L	U
156592	cis-1,2-Dichloroethene	0.20	ug/L	U
79345	Ethane, 1,1,2,2-tetrachl	2.0	ug/L	U
127184	**Tetrachloroethene**	**0.30**	**ug/L**	
156605	trans-1,2-Dichloroethene	0.20	ug/L	U
79016	**Trichloroethene**	**2.16**	**ug/L**	
75014	Vinyl Chloride	0.20	ug/L	UJ

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Project Code:	FSP-005A	**Collected:**	0:54
Project Name:	COEUR d'ALENE	**Matrix:**	Air
Project Officer:	MARK ADER	**Sample Number:**	96203127
Account Code:	96T10PTFA10Q6LA00	**Type:**	Reg sample
Station Description:			

			Result	Units	Qlfr
FASP					
Parameter	: Volatiles				
Method	: FASP-037				
Prep Method	: 00	unspecified			
Analytes	: 630206	1,1,1,2-Tetrachloroethane	0.02	ug/L	U
	71556	**1,1,1-Trichloroethane**	**0.04**	**ug/L**	
	79005	1,1,2-Trichloroethane	0.02	ug/L	U
	75343	1,1-Dichloroethane	0.02	ug/L	U
	75354	1,1-dichloroethene	0.02	ug/L	U
	107062	1,2-Dichloroethane	0.02	ug/L	U
	156592	cis-1,2-Dichloroethene	0.02	ug/L	U
	79345	Ethane, 1,1,2,2-tetrachl	0.2	ug/L	U
	127184	**Tetrachloroethene**	**0.05**	**ug/L**	
	156605	trans-1,2-Dichloroethene	0.02	ug/L	U
	79016	**Trichloroethene**	**2.42**	**ug/L**	**J**
	75014	Vinyl Chloride	0.02	ug/L	U

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Project Code: FSP-005A
Project Name: COEUR d'ALENE
Project Officer: MARK ADER
Account Code: 96T10PTFA10Q6LA00
Station Description:

Collected: 0:26
Matrix: Air
Sample Number: 96203129
Type: Reg sample

FASP

Parameter : Volatiles
Method : FASP-037
Prep Method: NONE

Analytes		Result	Units	Qlfr
630206	1,1,1,2-Tetrachloroethane	1.00	ug/L	U
71556	1,1,1-Trichloroethane	1.00	ug/L	U
79005	1,1,2-Trichloroethane	1.00	ug/L	U
75343	1,1-Dichloroethane	1.00	ug/L	U
75354	1,1-dichloroethene	1.00	ug/L	U
107062	1,2-Dichloroethane	1.00	ug/L	U
156592	cis-1,2-Dichloroethene	1.00	ug/L	U
79345	Ethane, 1,1,2,2-tetrachl	10	ug/L	U
127184	**Tetrachloroethene**	**8.21**	**ug/L**	
156605	trans-1,2-Dichloroethene	1.00	ug/L	U
79016	**Trichloroethene**	**15.6**	**ug/L**	
75014	Vinyl Chloride	1.00	ug/L	UJ

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Project Code:	FSP-005A	**Collected:**	0:32
Project Name:	COEUR d'ALENE	**Matrix:**	Air
Project Officer:	MARK ADER	**Sample Number:**	96203131
Account Code:	96T10PTFA10Q6LA00	**Type:**	Reg sample
Station Description:			

FASP

Parameter : Volatiles
Method : FASP-037
Prep Method: NONE

Analytes		Result	Units	Qlfr
630206	1,1,1,2-Tetrachloroethane	0.50	ug/L	U
71556	1,1,1-Trichloroethane	0.50	ug/L	U
79005	1,1,2-Trichloroethane	0.50	ug/L	U
75343	1,1-Dichloroethane	0.50	ug/L	U
75354	1,1-dichloroethene	0.50	ug/L	U
107062	1,2-Dichloroethane	0.50	ug/L	U
156592	cis-1,2-Dichloroethene	0.50	ug/L	U
79345	Ethane, 1,1,2,2-tetrachl	5.0	ug/L	U
127184	**Tetrachloroethene**	**0.65**	**ug/L**	
156605	trans-1,2-Dichloroethene	0.50	ug/L	U
79016	**Trichloroethene**	**1.83**	**ug/L**	
75014	Vinyl Chloride	0.50	ug/L	UJ

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Project Code: FSP-005A
Project Name: COEUR d'ALENE
Project Officer: MARK ADER
Account Code: 96T10PTFA10Q6LA00
Station Description:

Collected: 0:33
Matrix: Air
Sample Number: 96203132
Type: Reg sample

			Result	Units	Qlfr
FASP					
Parameter	: Volatiles				
Method	: FASP-037				
Prep Method	: NONE				
Analytes	: 630206	1,1,1,2-Tetrachloroethane	0.10	ug/L	U
	71556	1,1,1-Trichloroethane	0.10	ug/L	U
	79005	1,1,2-Trichloroethane	0.10	ug/L	U
	75343	1,1-Dichloroethane	0.10	ug/L	U
	75354	1,1-dichloroethene	0.10	ug/L	U
	107062	1,2-Dichloroethane	0.10	ug/L	U
	156592	cis-1,2-Dichloroethene	0.10	ug/L	U
	79345	Ethane, 1,1,2,2-tetrachl	1.0	ug/L	U
	127184	Tetrachloroethene	0.10	ug/L	U
	156605	trans-1,2-Dichloroethene	0.10	ug/L	U
	79016	**Trichloroethene**	**4.22**	**ug/L**	
	75014	Vinyl Chloride	0.10	ug/L	UJ

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Project Code:	FSP-005A	**Collected:**	0:36
Project Name:	COEUR d'ALENE	**Matrix:**	Air
Project Officer:	MARK ADER	**Sample Number:**	96203133
Account Code:	96T10PTFA10Q6LA00	**Type:**	Reg sample
Station Description:			

FASP

Parameter : Volatiles
Method : FASP-037
Prep Method: NONE

Analytes		Result	Units	Qlfr
630206	1,1,1,2-Tetrachloroethane	0.10	ug/L	U
71556	1,1,1-Trichloroethane	0.10	ug/L	U
79005	1,1,2-Trichloroethane	0.10	ug/L	U
75343	1,1-Dichloroethane	0.10	ug/L	U
75354	1,1-dichloroethene	0.10	ug/L	U
107062	1,2-Dichloroethane	0.10	ug/L	U
156592	cis-1,2-Dichloroethene	0.10	ug/L	U
79345	Ethane, 1,1,2,2-tetrachl	1.0	ug/L	U
127184	**Tetrachloroethene**	**0.16**	**ug/L**	
156605	trans-1,2-Dichloroethene	0.10	ug/L	U
79016	**Trichloroethene**	**1.54**	**ug/L**	
75014	Vinyl Chloride	0.10	ug/L	UJ

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Project Code: FSP-005A
Project Name: COEUR d'ALENE
Project Officer: MARK ADER
Account Code: 96T10PTFA10Q6LA00
Station Description:

Collected: 0:44
Matrix: Air
Sample Number: 96203135
Type: Reg sample

FASP

Parameter : Volatiles
Method : FASP-037
Prep Method: NONE

Analytes		Result	Units	Qlfr
630206	1,1,1,2-Tetrachloroethane	1.00	ug/L	U
71556	1,1,1-Trichloroethane	1.00	ug/L	U
79005	1,1,2-Trichloroethane	1.00	ug/L	U
75343	1,1-Dichloroethane	1.00	ug/L	U
75354	1,1-dichloroethene	1.00	ug/L	U
107062	1,2-Dichloroethane	1.00	ug/L	U
156592	cis-1,2-Dichloroethene	1.00	ug/L	U
79345	Ethane, 1,1,2,2-tetrachl	10	ug/L	U
127184	**Tetrachloroethene**	**1.36**	**ug/L**	
156605	trans-1,2-Dichloroethene	1.00	ug/L	U
79016	**Trichloroethene**	**40.6**	**ug/L**	
75014	Vinyl Chloride	1.00	ug/L	UJ

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Project Code: FSP-005A
Project Name: COEUR d'ALENE
Project Officer: MARK ADER
Account Code: 96T10PTFA10Q6LA00
Station Description:

Collected: 0:45
Matrix: Air
Sample Number: 96203136
Type: Reg sample

FASP

Parameter : Volatiles
Method : FASP-037
Prep Method: NONE

Analytes			Result	Units	Qlfr
	630206	1,1,1,2-Tetrachloroethane	1.00	ug/L	U
	71556	1,1,1-Trichloroethane	1.00	ug/L	U
	79005	1,1,2-Trichloroethane	1.00	ug/L	U
	75343	1,1-Dichloroethane	1.00	ug/L	U
	75354	1,1-dichloroethene	1.00	ug/L	U
	107062	1,2-Dichloroethane	1.00	ug/L	U
	156592	cis-1,2-Dichloroethene	1.00	ug/L	U
	79345	Ethane, 1,1,2,2-tetrachl	10	ug/L	U
	127184	Tetrachloroethene	1.00	ug/L	U
	156605	trans-1,2-Dichloroethene	1.00	ug/L	U
	79016	Trichloroethene	33.4	ug/L	
	75014	Vinyl Chloride	1.00	ug/L	UJ

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Project Code:	FSP-005A	**Collected:**	0:48
Project Name:	COEUR d'ALENE	**Matrix:**	Air
Project Officer:	MARK ADER	**Sample Number:**	96203137
Account Code:	96T10PTFA10Q6LA00	**Type:**	Reg sample
Station Description:			

FASP

Parameter : Volatiles
Method : FASP-037
Prep Method: NONE

Analytes		Result	Units	Qlfr
630206	1,1,1,2-Tetrachloroethane	1.00	ug/L	U
71556	1,1,1-Trichloroethane	1.00	ug/L	U
79005	1,1,2-Trichloroethane	1.00	ug/L	U
75343	1,1-Dichloroethane	1.00	ug/L	U
75354	1,1-dichloroethene	1.00	ug/L	U
107062	1,2-Dichloroethane	1.00	ug/L	U
156592	cis-1,2-Dichloroethene	1.00	ug/L	U
79345	Ethane, 1,1,2,2-tetrachl	10	ug/L	U
127184	**Tetrachloroethene**	**2.01**	**ug/L**	
156605	trans-1,2-Dichloroethene	1.00	ug/L	U
79016	**Trichloroethene**	**2.31**	**ug/L**	
75014	Vinyl Chloride	1.00	ug/L	UJ

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Project Code:	FSP-005A	**Collected:**	0:26
Project Name:	COEUR d'ALENE	**Matrix:**	Air
Project Officer:	MARK ADER	**Sample Number:**	96203138
Account Code:	96T10PTFA10Q6LA00	**Type:**	Reg sample
Station Description:			

FASP

Parameter : Volatiles
Method :
Prep Method:

Analytes			Result	Units	Qlfr
	630206	1,1,1,2-Tetrachloroethane	0.10	ug/L	U
	71556	**1,1,1-Trichloroethane**	**0.26**	**ug/L**	**J**
	79005	1,1,2-Trichloroethane	0.10	ug/L	U
	75343	1,1-Dichloroethane	0.10	ug/L	U
	75354	1,1-dichloroethene	0.10	ug/L	U
	107062	1,2-Dichloroethane	0.10	ug/L	U
	156592	cis-1,2-Dichloroethene	0.10	ug/L	U
	79345	Ethane, 1,1,2,2-tetrachl	1.0	ug/L	U
	127184	Tetrachloroethene	0.10	ug/L	U
	156605	trans-1,2-Dichloroethene	0.10	ug/L	U
	79016	**Trichloroethene**	**4.22**	**ug/L**	
	75014	Vinyl Chloride	0.10	ug/L	UJ

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Project Code: FSP-005A
Project Name: COEUR d'ALENE
Project Officer: MARK ADER
Account Code: 96T10PTFA10Q6LA00
Station Description:

Collected: 0:29
Matrix: Air
Sample Number: 96203139
Type: Reg sample

FASP

Parameter : Volatiles
Method : FASP-037
Prep Method: NONE

Analytes		Result	Units	Qlfr
630206	1,1,1,2-Tetrachloroethane	0.10	ug/L	U
71556	**1,1,1-Trichloroethane**	**0.18**	**ug/L**	**J**
79005	1,1,2-Trichloroethane	0.10	ug/L	U
75343	1,1-Dichloroethane	0.10	ug/L	U
75354	1,1-dichloroethene	0.10	ug/L	U
107062	1,2-Dichloroethane	0.10	ug/L	U
156592	cis-1,2-Dichloroethene	0.10	ug/L	U
79345	Ethane, 1,1,2,2-tetrachl	1.0	ug/L	U
127184	Tetrachloroethene	0.10	ug/L	U
156605	trans-1,2-Dichloroethene	0.10	ug/L	U
79016	**Trichloroethene**	**1.54**	**ug/L**	
75014	Vinyl Chloride	0.10	ug/L	UJ

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Project Code:	FSP-005A	**Collected:**	0:30
Project Name:	COEUR d'ALENE	**Matrix:**	Air
Project Officer:	MARK ADER	**Sample Number:**	96203140
Account Code:	96T10PTFA10Q6LA00	**Type:**	Reg sample
Station Description:			

FASP

Parameter : Volatiles
Method : FASP-037
Prep Method: NONE

Analytes		Result	Units	Qlfr
630206	1,1,1,2-Tetrachloroethane	0.10	ug/L	U
71556	**1,1,1-Trichloroethane**	**0.18**	**ug/L**	**J**
79005	1,1,2-Trichloroethane	0.10	ug/L	U
75343	1,1-Dichloroethane	0.10	ug/L	U
75354	1,1-dichloroethene	0.10	ug/L	U
107062	1,2-Dichloroethane	0.10	ug/L	U
156592	cis-1,2-Dichloroethene	0.10	ug/L	U
79345	Ethane, 1,1,2,2-tetrachl	1.0	ug/L	U
127184	Tetrachloroethene	0.10	ug/L	U
156605	trans-1,2-Dichloroethene	0.10	ug/L	U
79016	**Trichloroethene**	**4.54**	**ug/L**	
75014	Vinyl Chloride	0.10	ug/L	UJ

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Project Code: FSP-005A
Project Name: COEUR d'ALENE
Project Officer: MARK ADER
Account Code: 96T10PTFA10Q6LA00
Station Description:

Collected: 0:35
Matrix: Air
Sample Number: 96203142
Type: Reg sample

FASP

Parameter : Volatiles
Method : FASP-037
Prep Method: NONE

Analytes		Result	Units	Qlfr
630206	1,1,1,2-Tetrachloroethane	0.10	ug/L	U
71556	1,1,1-Trichloroethane	0.10	ug/L	U
79005	1,1,2-Trichloroethane	0.10	ug/L	U
75343	1,1-Dichloroethane	0.10	ug/L	U
75354	1,1-dichloroethene	0.10	ug/L	U
107062	1,2-Dichloroethane	0.10	ug/L	U
156592	cis-1,2-Dichloroethene	0.10	ug/L	U
79345	Ethane, 1,1,2,2-tetrachl	1.0	ug/L	U
127184	Tetrachloroethene	0.10	ug/L	U
156605	trans-1,2-Dichloroethene	0.10	ug/L	U
79016	Trichloroethene	0.10	ug/L	U
75014	Vinyl Chloride	0.10	ug/L	UJ

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Project Code:	FSP-005A	**Collected:**	0:48
Project Name:	COEUR d'ALENE	**Matrix:**	Air
Project Officer:	MARK ADER	**Sample Number:**	96203144
Account Code:	96T10PTFA10Q6LA00	**Type:**	Reg sample
Station Description:			

FASP

Parameter : Volatiles
Method : FASP-037
Prep Method: NONE

		Result	Units	Qlfr
Analytes : 630206	1,1,1,2-Tetrachloroethane	0.10	ug/L	U
71556	1,1,1-Trichloroethane	0.10	ug/L	U
79005	1,1,2-Trichloroethane	0.10	ug/L	U
75343	1,1-Dichloroethane	0.10	ug/L	U
75354	1,1-dichloroethene	0.10	ug/L	U
107062	1,2-Dichloroethane	0.10	ug/L	U
156592	cis-1,2-Dichloroethene	0.10	ug/L	U
79345	Ethane, 1,1,2,2-tetrachl	1.0	ug/L	U
127184	Tetrachloroethene	0.10	ug/L	U
156605	trans-1,2-Dichloroethene	0.10	ug/L	U
79016	Trichloroethene	0.10	ug/L	U
75014	Vinyl Chloride	0.10	ug/L	UJ

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Project Code: FSP-005A
Project Name: COEUR d'ALENE
Project Officer: MARK ADER
Account Code: 96T10PTFA10Q6LA00
Station Description:

Collected: 0:51
Matrix: Air
Sample Number: 96203146
Type: Reg sample

FASP

Parameter : Volatiles
Method : FASP-037
Prep Method: NONE

Analytes		Result	Units	Qlfr
630206	1,1,1,2-Tetrachloroethane	0.10	ug/L	U
71556	1,1,1-Trichloroethane	0.10	ug/L	U
79005	1,1,2-Trichloroethane	0.10	ug/L	U
75343	1,1-Dichloroethane	0.10	ug/L	U
75354	1,1-dichloroethene	0.10	ug/L	U
107062	1,2-Dichloroethane	0.10	ug/L	U
156592	cis-1,2-Dichloroethene	0.10	ug/L	U
79345	Ethane, 1,1,2,2-tetrachl	1.0	ug/L	U
127184	Tetrachloroethene	0.10	ug/L	U
156605	trans-1,2-Dichloroethene	0.10	ug/L	U
79016	Trichloroethene	0.10	ug/L	U
75014	Vinyl Chloride	0.10	ug/L	UJ

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Project Code:	FSP-005A	**Collected:**	0:55
Project Name:	COEUR d'ALENE	**Matrix:**	Air
Project Officer:	MARK ADER	**Sample Number:**	96203148
Account Code:	96T10PTFA10Q6LA00	**Type:**	Spike Blank
Station Description:			

FASP

Parameter : Volatiles
Method : FASP-037
Prep Method: NONE

Analytes		Result	Units	Qlfr
630206	1,1,1,2-Tetrachloroethane	96	%Rec	
71556	1,1,1-Trichloroethane	209	%Rec	
79005	1,1,2-Trichloroethane	132	%Rec	
75343	1,1-Dichloroethane	76	%Rec	
75354	1,1-dichloroethene	86	%Rec	
107062	1,2-Dichloroethane	117	%Rec	
156592	cis-1,2-Dichloroethene	91	%Rec	
79345	Ethane, 1,1,2,2-tetrachl	223	%Rec	
127184	Tetrachloroethene	100	%Rec	
156605	trans-1,2-Dichloroethene	119	%Rec	J
79016	Trichloroethene	68	%Rec	
75014	Vinyl Chloride	43	%Rec	

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Project Code:	FSP-005A	**Collected:**	0:35
Project Name:	COEUR d'ALENE	**Matrix:**	Air
Project Officer:	MARK ADER	**Sample Number:**	96203154
Account Code:	96T10PTFA10Q6LA00	**Type:**	Reg sample
Station Description:			

			Result	Units	Qlfr
FASP					
Parameter	: Volatiles				
Method	: FASP-037				
Prep Method	: NONE				
Analytes	: 630206	1,1,1,2-Tetrachloroethane	0.10	ug/L	U
	71556	1,1,1-Trichloroethane	0.10	ug/L	U
	79005	1,1,2-Trichloroethane	0.10	ug/L	U
	75343	1,1-Dichloroethane	0.10	ug/L	U
	75354	1,1-dichloroethene	0.10	ug/L	U
	107062	1,2-Dichloroethane	0.10	ug/L	U
	156592	cis-1,2-Dichloroethene	0.10	ug/L	U
	79345	Ethane, 1,1,2,2-tetrachl	1.0	ug/L	U
	127184	**Tetrachloroethene**	**0.11**	**ug/L**	
	156605	trans-1,2-Dichloroethene	0.10	ug/L	U
	79016	Trichloroethene	0.10	ug/L	U
	75014	Vinyl Chloride	0.10	ug/L	UJ

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Project Code:	FSP-005A	**Collected:**	0:50
Project Name:	COEUR d'ALENE	**Matrix:**	Air
Project Officer:	MARK ADER	**Sample Number:**	96203159
Account Code:	96T10PTFA10Q6LA00	**Type:**	Reg sample
Station Description:			

FASP

Parameter : Volatiles
Method : FASP-037
Prep Method: NONE

Analytes		Result	Units	Qlfr
630206	1,1,1,2-Tetrachloroethane	1.00	ug/L	U
71556	1,1,1-Trichloroethane	1.00	ug/L	U
79005	1,1,2-Trichloroethane	1.00	ug/L	U
75343	1,1-Dichloroethane	1.00	ug/L	U
75354	1,1-dichloroethene	1.00	ug/L	U
107062	1,2-Dichloroethane	1.00	ug/L	U
156592	cis-1,2-Dichloroethene	1.00	ug/L	U
79345	Ethane, 1,1,2,2-tetrachl	10	ug/L	U
127184	**Tetrachloroethene**	**2.62**	**ug/L**	
156605	trans-1,2-Dichloroethene	1.00	ug/L	U
79016	**Trichloroethene**	**15.9**	**ug/L**	
75014	Vinyl Chloride	1.00	ug/L	UJ

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Project Code: FSP-005A
Project Name: COEUR d'ALENE
Project Officer: MARK ADER
Account Code: 96T10PTFA10Q6LA00
Station Description:

Collected: 0:51
Matrix: Air
Sample Number: 96203160
Type: Reg sample

FASP

Parameter : Volatiles
Method : FASP-037
Prep Method: NONE

Analytes		Result	Units	Qlfr
630206	1,1,1,2-Tetrachloroethane	1.00	ug/L	U
71556	1,1,1-Trichloroethane	1.00	ug/L	U
79005	1,1,2-Trichloroethane	1.00	ug/L	U
75343	1,1-Dichloroethane	1.00	ug/L	U
75354	1,1-dichloroethene	1.00	ug/L	U
107062	1,2-Dichloroethane	1.00	ug/L	U
156592	cis-1,2-Dichloroethene	1.00	ug/L	U
79345	Ethane, 1,1,2,2-tetrachl	10	ug/L	U
127184	Tetrachloroethene	1.00	ug/L	U
156605	trans-1,2-Dichloroethene	1.00	ug/L	U
79016	**Trichloroethene**	**4.44**	**ug/L**	
75014	Vinyl Chloride	1.00	ug/L	UJ

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Project Code:	FSP-005A	**Collected:**	0:24
Project Name:	COEUR d'ALENE	**Matrix:**	Air
Project Officer:	MARK ADER	**Sample Number:**	96203161
Account Code:	96T10PTFA10Q6LA00	**Type:**	Reg sample
Station Description:			

FASP

Parameter : Volatiles
Method : FASP-037
Prep Method: NONE

Analytes		Result	Units	Qlfr
630206	1,1,1,2-Tetrachloroethane	1.00	ug/L	U
71556	1,1,1-Trichloroethane	1.00	ug/L	U
79005	1,1,2-Trichloroethane	1.00	ug/L	U
75343	1,1-Dichloroethane	1.00	ug/L	U
75354	1,1-dichloroethene	1.00	ug/L	U
107062	1,2-Dichloroethane	1.00	ug/L	U
156592	cis-1,2-Dichloroethene	1.00	ug/L	U
79345	Ethane, 1,1,2,2-tetrachl	10	ug/L	U
127184	Tetrachloroethene	1.00	ug/L	U
156605	trans-1,2-Dichloroethene	1.00	ug/L	U
79016	**Trichloroethene**	**1.47**	**ug/L**	
75014	Vinyl Chloride	1.00	ug/L	UJ

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Project Code: FSP-005A
Project Name: COEUR d'ALENE
Project Officer: MARK ADER
Account Code: 96T10PTFA10Q6LA00
Station Description:

Collected: 0:26
Matrix: Air
Sample Number: 96203162
Type: Reg sample

FASP

Parameter : Volatiles
Method : FASP-037
Prep Method: NONE

			Result	Units	Qlfr
Analytes :	630206	1,1,1,2-Tetrachloroethane	0.25	ug/L	U
	71556	1,1,1-Trichloroethane	0.25	ug/L	U
	79005	1,1,2-Trichloroethane	0.25	ug/L	U
	75343	1,1-Dichloroethane	0.25	ug/L	U
	75354	1,1-dichloroethene	0.25	ug/L	U
	107062	1,2-Dichloroethane	0.25	ug/L	U
	156592	cis-1,2-Dichloroethene	0.25	ug/L	U
	79345	Ethane, 1,1,2,2-tetrachl	2.5	ug/L	U
	127184	Tetrachloroethene	0.25	ug/L	U
	156605	trans-1,2-Dichloroethene	0.25	ug/L	U
	79016	**Trichloroethene**	**0.98**	**ug/L**	
	75014	Vinyl Chloride	0.25	ug/L	UJ

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Project Code: FSP-005A
Project Name: COEUR d'ALENE
Project Officer: MARK ADER
Account Code: 96T10PTFA10Q6LA00
Station Description:

Collected: 0:29
Matrix: Air
Sample Number: 96203163
Type: Reg sample

FASP

Parameter : Volatiles
Method : FASP-037
Prep Method: NONE

Analytes			Result	Units	Qlfr
	630206	1,1,1,2-Tetrachloroethane	0.10	ug/L	U
	71556	1,1,1-Trichloroethane	0.10	ug/L	U
	79005	1,1,2-Trichloroethane	0.10	ug/L	U
	75343	1,1-Dichloroethane	0.10	ug/L	U
	75354	1,1-dichloroethene	0.10	ug/L	U
	107062	1,2-Dichloroethane	0.10	ug/L	U
	156592	cis-1,2-Dichloroethene	0.10	ug/L	U
	79345	Ethane, 1,1,2,2-tetrachl	1.0	ug/L	U
	127184	Tetrachloroethene	0.10	ug/L	U
	156605	trans-1,2-Dichloroethene	0.10	ug/L	U
	79016	**Trichloroethene**	**6.26**	**ug/L**	
	75014	Vinyl Chloride	0.10	ug/L	UJ

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Project Code: FSP-005A
Project Name: COEUR d'ALENE
Project Officer: MARK ADER
Account Code: 96T10PTFA10Q6LA00
Station Description:

Collected: 0:32
Matrix: Air
Sample Number: 96203164
Type: Reg sample

FASP

Parameter : Volatiles
Method : FASP-037
Prep Method: NONE

Analytes		Result	Units	Qlfr
630206	1,1,1,2-Tetrachloroethane	0.10	ug/L	U
71556	1,1,1-Trichloroethane	0.10	ug/L	U
79005	1,1,2-Trichloroethane	0.10	ug/L	U
75343	1,1-Dichloroethane	0.10	ug/L	U
75354	1,1-dichloroethene	0.10	ug/L	U
107062	1,2-Dichloroethane	0.10	ug/L	U
156592	cis-1,2-Dichloroethene	0.10	ug/L	U
79345	Ethane, 1,1,2,2-tetrachl	1.0	ug/L	U
127184	**Tetrachloroethene**	**0.13**	**ug/L**	
156605	trans-1,2-Dichloroethene	0.10	ug/L	U
79016	**Trichloroethene**	**1.95**	**ug/L**	
75014	Vinyl Chloride	0.10	ug/L	UJ

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Project Code:	FSP-005A	**Collected:**	0:33
Project Name:	COEUR d'ALENE	**Matrix:**	Air
Project Officer:	MARK ADER	**Sample Number:**	96203165
Account Code:	96T10PTFA10Q6LA00	**Type:**	Reg sample
Station Description:			

FASP

Parameter : Volatiles
Method : FASP-037
Prep Method: NONE

Analytes		Result	Units	Qlfr
630206	1,1,1,2-Tetrachloroethane	0.10	ug/L	U
71556	1,1,1-Trichloroethane	0.10	ug/L	U
79005	1,1,2-Trichloroethane	0.10	ug/L	U
75343	1,1-Dichloroethane	0.10	ug/L	U
75354	1,1-dichloroethene	0.10	ug/L	U
107062	1,2-Dichloroethane	0.10	ug/L	U
156592	cis-1,2-Dichloroethene	0.10	ug/L	U
79345	Ethane, 1,1,2,2-tetrachl	1.0	ug/L	U
127184	**Tetrachloroethene**	**0.13**	**ug/L**	
156605	trans-1,2-Dichloroethene	0.10	ug/L	U
79016	**Trichloroethene**	**2.66**	**ug/L**	
75014	Vinyl Chloride	0.10	ug/L	UJ

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Project Code:	FSP-005A	**Collected:**	0:35
Project Name:	COEUR d'ALENE	**Matrix:**	Air
Project Officer:	MARK ADER	**Sample Number:**	96203166
Account Code:	96T10PTFA10Q6LA00	**Type:**	Reg sample
Station Description:			

FASP

Parameter : Volatiles
Method : FASP-037
Prep Method: NONE

Analytes		Result	Units	Qlfr
630206	1,1,1,2-Tetrachloroethane	0.50	ug/L	U
71556	1,1,1-Trichloroethane	0.50	ug/L	U
79005	1,1,2-Trichloroethane	0.50	ug/L	U
75343	1,1-Dichloroethane	0.50	ug/L	U
75354	1,1-dichloroethene	0.50	ug/L	U
107062	1,2-Dichloroethane	0.50	ug/L	U
156592	cis-1,2-Dichloroethene	0.50	ug/L	U
79345	Ethane, 1,1,2,2-tetrachl	5.0	ug/L	U
127184	**Tetrachloroethene**	**1.11**	**ug/L**	
156605	trans-1,2-Dichloroethene	0.50	ug/L	U
79016	**Trichloroethene**	**4.23**	**ug/L**	
75014	Vinyl Chloride	0.50	ug/L	UJ

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Project Code:	FSP-005A	**Collected:**	0:39
Project Name:	COEUR d'ALENE	**Matrix:**	Air
Project Officer:	MARK ADER	**Sample Number:**	96203167
Account Code:	96T10PTFA10Q6LA00	**Type:**	Reg sample
Station Description:			

FASP

Parameter : Volatiles
Method : FASP-037
Prep Method: NONE

Analytes		Result	Units	Qlfr
630206	1,1,1,2-Tetrachloroethane	0.10	ug/L	U
71556	1,1,1-Trichloroethane	0.10	ug/L	U
79005	1,1,2-Trichloroethane	0.10	ug/L	U
75343	1,1-Dichloroethane	0.10	ug/L	U
75354	1,1-dichloroethene	0.10	ug/L	U
107062	1,2-Dichloroethane	0.10	ug/L	U
156592	cis-1,2-Dichloroethene	0.10	ug/L	U
79345	Ethane, 1,1,2,2-tetrachl	1.0	ug/L	U
127184	Tetrachloroethene	0.10	ug/L	U
156605	trans-1,2-Dichloroethene	0.10	ug/L	U
79016	Trichloroethene	0.10	ug/L	U
75014	Vinyl Chloride	0.10	ug/L	UJ

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Project Code: FSP-005A
Project Name: COEUR d'ALENE
Project Officer: MARK ADER
Account Code: 96T10PTFA10Q6LA00
Station Description:

Collected: 0:44
Matrix: Air
Sample Number: 96203168
Type: Reg sample

FASP

Parameter : Volatiles
Method : FASP-037
Prep Method: NONE

Analytes		Result	Units	Qlfr
630206	1,1,1,2-Tetrachloroethane	1.00	ug/L	U
71556	1,1,1-Trichloroethane	1.00	ug/L	U
79005	1,1,2-Trichloroethane	1.00	ug/L	U
75343	1,1-Dichloroethane	1.00	ug/L	U
75354	1,1-dichloroethene	1.00	ug/L	U
107062	1,2-Dichloroethane	1.00	ug/L	U
156592	cis-1,2-Dichloroethene	1.00	ug/L	U
79345	Ethane, 1,1,2,2-tetrachl	10	ug/L	U
127184	Tetrachloroethene	1.00	ug/L	U
156605	trans-1,2-Dichloroethene	1.00	ug/L	U
79016	**Trichloroethene**	**8.62**	**ug/L**	
75014	Vinyl Chloride	1.00	ug/L	UJ

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Project Code:	FSP-005A	**Collected:**	0:45
Project Name:	COEUR d'ALENE	**Matrix:**	Air
Project Officer:	MARK ADER	**Sample Number:**	96203169
Account Code:	96T10PTFA10Q6LA00	**Type:**	Reg sample
Station Description:			

			Result	Units	Qlfr
FASP					
Parameter	: Volatiles				
Method	: FASP-037				
Prep Method	: NONE				
Analytes	: 630206	1,1,1,2-Tetrachloroethane	1.00	ug/L	U
	71556	1,1,1-Trichloroethane	1.00	ug/L	U
	79005	1,1,2-Trichloroethane	1.00	ug/L	U
	75343	1,1-Dichloroethane	1.00	ug/L	U
	75354	1,1-dichloroethene	1.00	ug/L	U
	107062	1,2-Dichloroethane	1.00	ug/L	U
	156592	cis-1,2-Dichloroethene	1.00	ug/L	U
	79345	Ethane, 1,1,2,2-tetrachl	10	ug/L	U
	127184	**Tetrachloroethene**	**1.20**	**ug/L**	
	156605	trans-1,2-Dichloroethene	1.00	ug/L	U
	79016	**Trichloroethene**	**26.4**	**ug/L**	
	75014	Vinyl Chloride	1.00	ug/L	UJ

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Project Code: FSP-005A
Project Name: COEUR d'ALENE
Project Officer: MARK ADER
Account Code: 96T10PTFA10Q6LA00
Station Description:

Collected: 0:26
Matrix: Air
Sample Number: 96213800
Type: Reg sample

FASP

Parameter : Volatiles
Method : FASP-037
Prep Method: NONE

Analytes		Result	Units	Qlfr
630206	1,1,1,2-Tetrachloroethane	1.00	ug/L	U
71556	1,1,1-Trichloroethane	1.00	ug/L	U
79005	1,1,2-Trichloroethane	1.00	ug/L	U
75343	1,1-Dichloroethane	1.00	ug/L	U
75354	1,1-dichloroethene	1.00	ug/L	U
107062	1,2-Dichloroethane	1.00	ug/L	U
156592	cis-1,2-Dichloroethene	1.00	ug/L	U
79345	Ethane, 1,1,2,2-tetrachl	10	ug/L	U
127184	**Tetrachloroethene**	**1.08**	**ug/L**	
156605	trans-1,2-Dichloroethene	1.00	ug/L	U
79016	**Trichloroethene**	**27.2**	**ug/L**	
75014	Vinyl Chloride	1.00	ug/L	UJ

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Project Code:	FSP-005A	**Collected:**	0:27
Project Name:	COEUR d'ALENE	**Matrix:**	Solid
Project Officer:	MARK ADER	**Sample Number:**	96213801
Account Code:	96T10PTFA10Q6LA00	**Type:**	Reg sample
Station Description:			

FASP

Parameter : Volatiles
Method : FASP-037
Prep Method: NONE

Analytes		Result	Units	Qlfr
630206	1,1,1,2-Tetrachloroethane	1.00	ug/kg	U
71556	1,1,1-Trichloroethane	1.00	ug/kg	U
79005	1,1,2-Trichloroethane	1.00	ug/kg	U
75343	1,1-Dichloroethane	1.00	ug/kg	U
75354	1,1-dichloroethene	1.00	ug/kg	U
107062	1,2-Dichloroethane	1.00	ug/kg	U
156592	cis-1,2-Dichloroethene	1.00	ug/kg	U
79345	Ethane, 1,1,2,2-tetrachl	10	ug/kg	U
127184	Tetrachloroethene	1.00	ug/kg	U
156605	trans-1,2-Dichloroethene	1.00	ug/kg	U
79016	Trichloroethene	1.00	ug/kg	U
75014	Vinyl Chloride	1.00	ug/kg	U

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Project Code: FSP-005A
Project Name: COEUR d'ALENE
Project Officer: MARK ADER
Account Code: 96T10PTFA10Q6LA00
Station Description:

Collected: 0:27
Matrix: Solid
Sample Number: 96213801
Type: Matrix Spike

			Result	Units	Qlfr
FASP					
Parameter :	Volatiles				
Method :					
Prep Method:					
Analytes :	630206	1,1,1,2-Tetrachloroethane	94.0	%Rec	
	71556	1,1,1-Trichloroethane	99.0	%Rec	
	79005	1,1,2-Trichloroethane	90.3	%Rec	
	75343	1,1-Dichloroethane	86.2	%Rec	
	75354	1,1-dichloroethene	83.9	%Rec	
	107062	1,2-Dichloroethane	102	%Rec	
	156592	cis-1,2-Dichloroethene	94.1	%Rec	
	79345	Ethane, 1,1,2,2-tetrachl	71.9	%Rec	
	127184	Tetrachloroethene	90.8	%Rec	
	156605	trans-1,2-Dichloroethene	126	%Rec	J
	79016	Trichloroethene	85.5	%Rec	
	75014	Vinyl Chloride	72.0	%Rec	

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Project Code:	FSP-005A	**Collected:**	0:27
Project Name:	COEUR d'ALENE	**Matrix:**	Solid
Project Officer:	MARK ADER	**Sample Number:**	96213801
Account Code:	96T10PTFA10Q6LA00	**Type:**	Matrix Spike Dupl
Station Description:			

			Result	Units	Qlfr
FASP					
Parameter	: Volatiles				
Method	:				
Prep Method	:				
Analytes	: 630206	1,1,1,2-Tetrachloroethane	84.7	%Rec	
	71556	1,1,1-Trichloroethane	84.2	%Rec	
	79005	1,1,2-Trichloroethane	91.3	%Rec	
	75343	1,1-Dichloroethane	76.8	%Rec	
	75354	1,1-dichloroethene	81.1	%Rec	
	107062	1,2-Dichloroethane	93.0	%Rec	
	156592	cis-1,2-Dichloroethene	85.3	%Rec	
	79345	Ethane, 1,1,2,2-tetrachl	105	%Rec	
	127184	Tetrachloroethene	80.1	%Rec	
	156605	trans-1,2-Dichloroethene	80.2	%Rec	J
	79016	Trichloroethene	73.0	%Rec	
	75014	Vinyl Chloride	73.4	%Rec	

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Project Code:	FSP-005A	**Collected:**	0:29
Project Name:	COEUR d'ALENE	**Matrix:**	Air
Project Officer:	MARK ADER	**Sample Number:**	96213802
Account Code:	96T10PTFA10Q6LA00	**Type:**	Reg sample
Station Description:			

FASP

Parameter : Volatiles
Method : FASP-037
Prep Method: NONE

Analytes		Result	Units	Qlfr
630206	1,1,1,2-Tetrachloroethane	1.00	ug/L	U
71556	1,1,1-Trichloroethane	1.00	ug/L	U
79005	1,1,2-Trichloroethane	1.00	ug/L	U
75343	1,1-Dichloroethane	1.00	ug/L	U
75354	1,1-dichloroethene	1.00	ug/L	U
107062	1,2-Dichloroethane	1.00	ug/L	U
156592	cis-1,2-Dichloroethene	1.00	ug/L	U
79345	Ethane, 1,1,2,2-tetrachl	10	ug/L	U
127184	**Tetrachloroethene**	**1.16**	**ug/L**	
156605	trans-1,2-Dichloroethene	1.00	ug/L	U
79016	**Trichloroethene**	**18.4**	**ug/L**	
75014	Vinyl Chloride	1.00	ug/L	UJ

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Project Code:	FSP-005A	**Collected:**	0:31
Project Name:	COEUR d'ALENE	**Matrix:**	Air
Project Officer:	MARK ADER	**Sample Number:**	96213803
Account Code:	96T10PTFA10Q6LA00	**Type:**	Reg sample
Station Description:			

FASP

Parameter : Volatiles
Method : FASP-037
Prep Method: NONE

Analytes		Result	Units	Qlfr
630206	1,1,1,2-Tetrachloroethane	5.00	ug/L	U
71556	1,1,1-Trichloroethane	5.00	ug/L	U
79005	1,1,2-Trichloroethane	5.00	ug/L	U
75343	1,1-Dichloroethane	5.00	ug/L	U
75354	1,1-dichloroethene	5.00	ug/L	U
107062	1,2-Dichloroethane	5.00	ug/L	U
156592	cis-1,2-Dichloroethene	5.00	ug/L	U
79345	Ethane, 1,1,2,2-tetrachl	50	ug/L	U
127184	**Tetrachloroethene**	**5.99**	**ug/L**	
156605	trans-1,2-Dichloroethene	5.00	ug/L	U
79016	**Trichloroethene**	**12.9**	**ug/L**	
75014	Vinyl Chloride	5.00	ug/L	UJ

Manchester Environmental Laboratory
Final Report

Project Code: FSP-005A
Project Name: COEUR d'ALENE
Project Officer: MARK ADER
Account Code: 96T10PTFA10Q6LA00
Station Description:

Collected: 0:32
Matrix: Solid
Sample Number: 96213804
Type: Reg sample

FASP

Parameter : Volatiles
Method : FASP-037
Prep Method: NONE

Analytes		Result	Units	Qlfr
630206	1,1,1,2-Tetrachloroethane	1.00	ug/kg	U
71556	1,1,1-Trichloroethane	1.00	ug/kg	U
79005	1,1,2-Trichloroethane	1.00	ug/kg	U
75343	1,1-Dichloroethane	1.00	ug/kg	U
75354	1,1-dichloroethene	1.00	ug/kg	U
107062	1,2-Dichloroethane	1.00	ug/kg	U
156592	cis-1,2-Dichloroethene	1.00	ug/kg	U
79345	Ethane, 1,1,2,2-tetrachl	10	ug/kg	U
127184	Tetrachloroethene	1.00	ug/kg	U
156605	trans-1,2-Dichloroethene	1.00	ug/kg	U
79016	Trichloroethene	1.00	ug/kg	U
75014	Vinyl Chloride	1.00	ug/kg	U

Manchester Environmental Laboratory
Final Report

Project Code:	FSP-005A	**Collected:**	0:33
Project Name:	COEUR d'ALENE	**Matrix:**	Air
Project Officer:	MARK ADER	**Sample Number:**	96213805
Account Code:	96T10PTFA10Q6LA00	**Type:**	Reg sample
Station Description:			

FASP

Parameter : Volatiles
Method : FASP-037
Prep Method: NONE

Analytes		Result	Units	Qlfr
630206	1,1,1,2-Tetrachloroethane	1.00	ug/L	U
71556	1,1,1-Trichloroethane	1.00	ug/L	U
79005	1,1,2-Trichloroethane	1.00	ug/L	U
75343	1,1-Dichloroethane	1.00	ug/L	U
75354	1,1-dichloroethene	1.00	ug/L	U
107062	1,2-Dichloroethane	1.00	ug/L	U
156592	cis-1,2-Dichloroethene	1.00	ug/L	U
79345	Ethane, 1,1,2,2-tetrachl	10	ug/L	U
127184	**Tetrachloroethene**	**1.37**	**ug/L**	
156605	trans-1,2-Dichloroethene	1.00	ug/L	U
79016	**Trichloroethene**	**22.0**	**ug/L**	
75014	Vinyl Chloride	1.00	ug/L	UJ

Manchester Environmental Laboratory
Final Report

Project Code: FSP-005A
Project Name: COEUR d'ALENE
Project Officer: MARK ADER
Account Code: 96T10PTFA10Q6LA00
Station Description:

Collected: 0:35
Matrix: Solid
Sample Number: 96213806
Type: Reg sample

FASP

Parameter : Volatiles
Method : FASP-037
Prep Method: NONE

Analytes		Result	Units	Qlfr
630206	1,1,1,2-Tetrachloroethane	1.00	ug/kg	U
71556	1,1,1-Trichloroethane	1.00	ug/kg	U
79005	1,1,2-Trichloroethane	1.00	ug/kg	U
75343	1,1-Dichloroethane	1.00	ug/kg	U
75354	1,1-dichloroethene	1.00	ug/kg	U
107062	1,2-Dichloroethane	1.00	ug/kg	U
156592	cis-1,2-Dichloroethene	1.00	ug/kg	U
79345	Ethane, 1,1,2,2-tetrachl	10	ug/kg	U
127184	Tetrachloroethene	1.00	ug/kg	U
156605	trans-1,2-Dichloroethene	1.00	ug/kg	U
79016	Trichloroethene	1.00	ug/kg	U
75014	Vinyl Chloride	1.00	ug/kg	U

Manchester Environmental Laboratory
Final Report

Project Code:	FSP-005A	**Collected:**	0:36
Project Name:	COEUR d'ALENE	**Matrix:**	Solid
Project Officer:	MARK ADER	**Sample Number:**	96213807
Account Code:	96T10PTFA10Q6LA00	**Type:**	Reg sample
Station Description:			

FASP

Parameter : Volatiles
Method : FASP-037
Prep Method: NONE

Analytes		Result	Units	Qlfr
630206	1,1,1,2-Tetrachloroethane	1.00	ug/kg	U
71556	1,1,1-Trichloroethane	1.00	ug/kg	U
79005	1,1,2-Trichloroethane	1.00	ug/kg	U
75343	1,1-Dichloroethane	1.00	ug/kg	U
75354	1,1-dichloroethene	1.00	ug/kg	U
107062	1,2-Dichloroethane	1.00	ug/kg	U
156592	cis-1,2-Dichloroethene	1.00	ug/kg	U
79345	Ethane, 1,1,2,2-tetrachl	10	ug/kg	U
127184	Tetrachloroethene	1.00	ug/kg	U
156605	trans-1,2-Dichloroethene	1.00	ug/kg	U
79016	Trichloroethene	1.00	ug/kg	U
75014	Vinyl Chloride	1.00	ug/kg	U

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 10 LABORATORY
7411 Beach Dr. East
Port Orchard, Washington 98366

July 23, 1996

MEMORANDUM

SUBJECT: Report of Data Validation of VOA Results for the Coeur d'Alene ESI Project Sample 96213827

FROM: Gerald H. Dodo, Chemist
USEPA

TO: Mark Ader, Project Officer
USEPA

CC: Mark Longtine, E&E

The following is a QA data validation report of the VOA analyses' results for a soil sample collected for the Coeur d'Alene ESI project. The sample was meant to be analyzed at the site location using the FASP methods described in the "ESAT Sampling and Analysis Plan and Site Safety Plan," 5/96 (document 10A-9507). Due to the lack of time at the site location, the sample was instead transferred to the Manchester Environmental Laboratory then analyzed for the project's selected chlorinated VOAs using a modified SW846 Method 8260A by the USEPA Region 10 Laboratory ESAT staff. The analyses' results were delivered under Technical Direction Form 3124. The results were reported on a wet weight basis just as the results for soil samples analyzed on-site. This report covers the sample listed above.

The project code for this sample is FSP-005A and the account number is 10PTFA10Q6.

Data qualifications

The following comments refer to laboratory performance meeting the Quality Control specifications outlined in the "ESAT Sampling and Analysis Plan and Site Safety Plan," 5/96 (document 10A-9507) and the USEPA Laboratory Data Validation Functional Guidelines for Evaluating Organics Analyses (12/94).

I. Holding Times:

Sample 96213827 was analyzed beyond the 14-day holding time for soils by 44 days. This sample was accidentally overlooked during the analyses of the other soil samples for this project.

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Since the soil sample was stored under refrigeration, the reported target compounds' results were qualified J if detected and UJ if non-detected instead of being qualified REJ. The reported results may be biased low.

II. GC/MS Tuning and Performance: Acceptable

The tuning summary agreed with the raw data. All bromofluorobenzene ion abundance met criteria. Analyses were preceded by a tune less than 12 hours prior to analysis.

III. Initial Calibration: Acceptable

A six-point initial calibration was performed on 07/02/96 for the target compounds. All calibration curves resulted with $r^2 \geq 0.995$. All average relative response factors (RRFs) met the criteria of ≥ 0.05. All percent relative standard deviations (%RSDs) of the RRFs met the criteria of $\leq 30\%$. No qualifiers were applied based on the initial calibration.

IV. Continuing Calibration: Acceptable

The continuing calibration check standards met the criteria for frequency of analysis and RRT windows for all target compounds. The calculation of the % recoveries was checked and the calculation method was correct. The RRFs were ≥ 0.05 and the recoveries for the target compounds met the criteria of 65-135%. No qualifiers were applied based on the continuing calibration.

V. Blanks:

A blank was analyzed prior to the analysis of the sample. Compounds detected in the sample were reported without qualification if the sample result area integration exceeded five times that of the blank for target compounds. Detected sample results were qualified U if the area integration was below this criterion. The sample concentration or the laboratory quantitation limit (QL), whichever is greater, was reported as the qualified result.

VI. Surrogates: Acceptable

The surrogate recoveries met the CLP Statement of Work specifications for the analyses. No qualifiers were applied based on the surrogate recoveries.

VII. Matrix Spike/Matrix Spike Duplicate (MS/MSD):

An MS/MSD pair was analyzed using sample 96213819 from this project. The results for this analysis were reported earlier.

VIII. Internal Standards: Acceptable

The retention time variations of all internal standards were within acceptable limits of the continuing calibration standard. The %areas of all internal standards were within the specified 50% to 200% of the continuing calibration standard. No qualifiers were applied based on the internal standards.

IX. Target Compound Identification: Acceptable

All detected target compounds' relative retention times were within acceptable limits. Criteria were met for mass spectral ion matching and ion abundance matching or the mass spectra were judged acceptable.

Hexachlorobutadiene was detected in sample 96213827 at 22.7 ug/kg. This result should be treated as an estimate due to the analysis being performed beyond the holding time. The quantitation and identification of this compound were based on a five-point initial calibration performed on 07/02/96.

Pentachlorobutadiene was detected in sample 96213827 as a tentatively identified compound (TIC). A standard was not analyzed to confirm this identification. The amount detected was estimated to be 52.3 ug/kg.

X. Compound Quantitation:

Compound quantitation was evaluated and found to be correct. Trichloroethene was detected in sample 96213827 at a level below the lowest calibration concentration of the initial calibration curve. Since the Practical Quantitation Limit is based on this lowest initial calibration standard, this value was assigned the J qualifier.

Overall Assessment for the Case

The usefulness of the data is based on the criteria outlined in the "ESAT Sampling and Analysis Plan and Site Safety Plan," 5/96, and the USEPA Laboratory Data Validation Functional Guidelines for Evaluating Organics Analyses (12/94).

All requirements for data qualifiers from the preceding sections were accumulated. Each sample data summary sheet and each compound was checked for positive or negative results. From this the overall need for data qualifiers for each analysis was determined. In cases where more than one of the preceding

sections required data qualifiers, the most restrictive qualifier has been added to the data.

In general, all unqualified results can be used in the manner intended for field analytical methods analyses. The usefulness of qualified data should be treated according to the severity of the qualifier. Should questions arise regarding the qualification of data and its relation to the usefulness, the reader is encouraged to contact the Region 10 laboratory.

DATA QUALIFIERS

U	-	The analyte was not detected at or above the reported result.
J	-	The analyte was positively identified. The associated numerical result is an estimate.
EXP	-	The result is equal to the number before EXP times 10 to the power of the number after EXP. As an example 3EXP6 equals 3×10^6.
REJ	-	The data are unusable for all purposes.
N	-	There is evidence the analyte is present in this sample.
NJ	-	There is evidence that the analyte is present. The associated numerical result is an estimate.
UJ	-	The analyte was not detected at or above the reported estimated result. The associated numerical value is an estimate of the quantitation limit of the analyte in this sample.
NAF	-	Not analyzed for.
NAR	-	No analytical result.
*	-	The analyte was present in the sample. (Visual aid to locate detected compounds on the report sheet.)

Manchester Environmental Laboratory
Final Report

Project Code: FSP-005A
Project Name: COEUR d'ALENE
Project Officer: MARK ADER
Account Code: 96T10PTFA10Q6LA00
Station Description: DE20SB12

Collected: 0:33
Matrix: Air
Sample Number: 96213827
Type: Reg sample

GCMS

Parameter : Volatiles
Method : UNSPECIFI
Prep Method:

Analytes			Result	Units	Qlfr
	630206	1,1,1,2-Tetrachloroethane	2.0	ug/Kg	UJ
	71556	1,1,1-Trichloroethane	2.0	ug/Kg	UJ
	79005	1,1,2-Trichloroethane	2.0	ug/Kg	UJ
	75343	1,1-Dichloroethane	2.0	ug/Kg	UJ
	75354	1,1-dichloroethene	2.0	ug/Kg	UJ
	563586	1,1-Dichloropropene	2.0	ug/Kg	UJ
	87616	1,2,3-Trichlorobenzene	10.0	ug/Kg	UJ
	96184	1,2,3-Trichloropropane	4.0	ug/Kg	UJ
	120821	1,2,4-Trichlorobenzene	4.0	ug/Kg	UJ
	96128	1,2-Dibromo-3-chloropropane	4.0	ug/Kg	UJ
	106934	1,2-Dibromoethane	2.0	ug/Kg	UJ
	95501	1,2-Dichlorobenzene	4.0	ug/Kg	UJ
	107062	1,2-Dichloroethane	2.0	ug/Kg	UJ
	78875	1,2-Dichloropropane	2.0	ug/Kg	UJ
	541731	1,3-Dichlorobenzene	4.0	ug/Kg	UJ
	142289	1,3-Dichloropropane	2.0	ug/Kg	UJ
	106467	1,4-Dichlorobenzene	4.0	ug/Kg	UJ
	594207	2,2-Dichloropropane	4.0	ug/Kg	UJ
	78933	2-Butanone	40.2	ug/Kg	UJ
	95498	2-Chlorotoluene	2.0	ug/Kg	UJ
	591786	2-Hexanone	20.1	ug/Kg	UJ
	108101	2-Pentanone, 4-methyl-	8.0	ug/Kg	UJ
	106434	4-Chlorotoluene	2.0	ug/Kg	UJ
	67641	Acetone	40.2	ug/Kg	UJ
	71432	Benzene	2.0	ug/Kg	UJ
	95636	Benzene, 1,2,4-trimethyl	4.0	ug/Kg	UJ
	95476	Benzene, 1,2-dimethyl-	2.0	ug/Kg	UJ
	108678	Benzene, 1,3,5-trimethyl	4.0	ug/Kg	UJ
	100414	Benzene, ethyl-	2.0	ug/Kg	UJ
	108861	Bromobenzene	4.0	ug/Kg	UJ
	74975	Bromochloromethane	2.0	ug/Kg	UJ
	75274	Bromodichloromethane	2.0	ug/Kg	UJ
	75252	Bromoform	4.0	ug/Kg	UJ
	74839	Bromomethane	2.0	ug/Kg	UJ
	75150	Carbon Disulfide	8.0	ug/Kg	UJ
	56235	Carbon Tetrachloride	2.0	ug/Kg	UJ

Manchester Environmental Laboratory
Final Report

			Result	Units	Qlfr
Analytes :	108907	Chlorobenzene	2.0	ug/Kg	UJ
	75003	Chloroethane	2.0	ug/Kg	UJ
	67663	Chloroform	2.0	ug/Kg	UJ
	74873	Chloromethane	2.0	ug/Kg	UJ
	156592	cis-1,2-Dichloroethene	2.0	ug/Kg	UJ
	10061015	Cis-1,3-Dichloropropene	2.1	ug/Kg	UJ
	124481	Dibromochloromethane	2.0	ug/Kg	UJ
	74953	Dibromomethane	2.0	ug/Kg	UJ
	75718	Dichlorodifluoromethane	2.0	ug/Kg	UJ
	79345	Ethane, 1,1,2,2-tetrachl	4.0	ug/Kg	UJ
	87683	**Hexachlorobutadiene**	**22.7**	**ug/Kg**	**J**
	98828	Isopropylbenzene	2.0	ug/Kg	UJ
	75092	Methylene Chloride	10.0	ug/Kg	UJ
	*1330207	MP-Xylene	4.0	ug/Kg	UJ
	104518	n-Butylbenzene	4.0	ug/Kg	UJ
	103651	n-Propylbenzene	2.0	ug/Kg	UJ
	91203	Naphthalene	10	ug/Kg	UJ
	99876	p-Isopropyltoluene	4.0	ug/Kg	UJ
	135988	sec-Butylbenzene	2.0	ug/Kg	UJ
	100425	Styrene	2.0	ug/Kg	UJ
	98066	Tert-butylbenzene	4.0	ug/Kg	UJ
	127184	Tetrachloroethene	2.0	ug/Kg	UJ
	108883	Toluene	2.0	ug/Kg	UJ
	1330207	Total Xylenes	4.0	ug/Kg	UJ
	156605	trans-1,2-Dichloroethene	2.0	ug/Kg	UJ
	10061026	Trans-1,3-Dichloropropene	1.9	ug/Kg	UJ
	79016	**Trichloroethene**	**0.48**	**ug/Kg**	**J**
	75694	Trichlorofluoromethane	20.1	ug/Kg	UJ
	75014	Vinyl Chloride	2.0	ug/Kg	UJ
	2199691	1,2-Dichlorobenzene-d4	98	%Rec	
	17060070	1,2-Dichloroethane-d4	114	%Rec	
	540363	1,4-Difluorobenzene	99	%Rec	
	460004	p-Bromofluorobenzene	99	%Rec	
	2037265	Toluene-d8	98	%Rec	

Manchester Environmental Laboratory
Final Report

Project Code: FSP-005A
Project Name: COEUR d'ALENE
Project Officer: MARK ADER
Account Code: 96T10PTFA10Q6LA00
Station Description:

Collected:
Matrix: Solid
Sample Number: IBS6201
Type: Blank

GCMS

Parameter : Volatiles
Method : UNSPECIFI
Prep Method:

Analytes		Result	Units	Qlfr
630206	1,1,1,2-Tetrachloroethane	2.0	ug/Kg	U
71556	1,1,1-Trichloroethane	2.0	ug/Kg	U
79005	1,1,2-Trichloroethane	2.0	ug/Kg	U
75343	1,1-Dichloroethane	2.0	ug/Kg	U
75354	1,1-dichloroethene	2.0	ug/Kg	U
563586	1,1-Dichloropropene	2.0	ug/Kg	U
87616	1,2,3-Trichlorobenzene	10.0	ug/Kg	U
96184	1,2,3-Trichloropropane	4.0	ug/Kg	U
120821	1,2,4-Trichlorobenzene	4.0	ug/Kg	U
96128	1,2-Dibromo-3-chloropropane	4.0	ug/Kg	U
106934	1,2-Dibromoethane	2.0	ug/Kg	U
95501	1,2-Dichlorobenzene	4.0	ug/Kg	U
107062	1,2-Dichloroethane	2.0	ug/Kg	U
78875	1,2-Dichloropropane	2.0	ug/Kg	U
541731	1,3-Dichlorobenzene	4.0	ug/Kg	U
142289	1,3-Dichloropropane	2.0	ug/Kg	U
106467	1,4-Dichlorobenzene	4.0	ug/Kg	U
594207	2,2-Dichloropropane	4.0	ug/Kg	U
78933	2-Butanone	40.2	ug/Kg	U
95498	2-Chlorotoluene	2.0	ug/Kg	U
591786	2-Hexanone	10.0	ug/Kg	U
108101	2-Pentanone, 4-methyl-	4.0	ug/Kg	U
106434	4-Chlorotoluene	2.0	ug/Kg	U
67641	**Acetone**	**42.2**	**ug/Kg**	**J**
71432	Benzene	2.0	ug/Kg	U
95636	**Benzene, 1,2,4-trimethyl**	**4.0**	**ug/Kg**	**J**
95476	Benzene, 1,2-dimethyl-	2.0	ug/Kg	U
108678	Benzene, 1,3,5-trimethyl	4.0	ug/Kg	U
100414	Benzene, ethyl-	2.0	ug/Kg	U
108861	Bromobenzene	4.0	ug/Kg	U
74975	Bromochloromethane	2.0	ug/Kg	U
75274	Bromodichloromethane	2.0	ug/Kg	U
75252	Bromoform	4.0	ug/Kg	U
74839	Bromomethane	2.0	ug/Kg	U
75150	Carbon Disulfide	8.0	ug/Kg	U
56235	Carbon Tetrachloride	2.0	ug/Kg	U

Manchester Environmental Laboratory
Final Report

			Result	Units	Qlfr
Analytes :	108907	Chlorobenzene	2.0	ug/Kg	U
	75003	Chloroethane	2.0	ug/Kg	U
	67663	Chloroform	2.0	ug/Kg	U
	74873	Chloromethane	2.0	ug/Kg	U
	156592	cis-1,2-Dichloroethene	2.0	ug/Kg	U
	10061015	Cis-1,3-Dichloropropene	2.1	ug/Kg	U
	124481	Dibromochloromethane	2.0	ug/Kg	U
	74953	Dibromomethane	2.0	ug/Kg	U
	75718	Dichlorodifluoromethane	2.0	ug/Kg	U
	79345	Ethane, 1,1,2,2-tetrachl	4.0	ug/Kg	U
	87683	Hexachlorobutadiene	4.0	ug/Kg	U
	98828	Isopropylbenzene	2.0	ug/Kg	U
	75092	Methylene Chloride	10.0	ug/Kg	U
	*1330207	MP-Xylene	4.0	ug/Kg	U
	104518	n-Butylbenzene	4.0	ug/Kg	U
	103651	n-Propylbenzene	2.0	ug/Kg	U
	91203	Naphthalene	10.0	ug/Kg	U
	99876	p-Isopropyltoluene	4.0	ug/Kg	U
	135988	sec-Butylbenzene	2.0	ug/Kg	U
	100425	Styrene	2.0	ug/Kg	U
	98066	Tert-butylbenzene	4.0	ug/Kg	U
	127184	Tetrachloroethene	2.0	ug/Kg	U
	108883	Toluene	2.0	ug/Kg	U
	1330207	Total Xylenes	4.0	ug/Kg	U
	156605	trans-1,2-Dichloroethene	2.0	ug/Kg	U
	10061026	Trans-1,3-Dichloropropene	1.9	ug/Kg	U
	79016	Trichloroethene	2.0	ug/Kg	U
	75694	Trichlorofluoromethane	20.1	ug/Kg	U
	75014	Vinyl Chloride	2.0	ug/Kg	U
	2199691	1,2-Dichlorobenzene-d4	99	%Rec	
	17060070	1,2-Dichloroethane-d4	117	%Rec	
	540363	1,4-Difluorobenzene	98	%Rec	
	460004	p-Bromofluorobenzene	102	%Rec	
	2037265	Toluene-d8	98	%Rec	

Manchester Environmental Laboratory
Final Report

Project Code: FSP-005A
Project Name: COEUR d'ALENE
Project Officer: MARK ADER
Account Code: 96T10PTFA10Q6LA00
Station Description:

Collected: 0:32
Matrix: Air
Sample Number: 96203101
Type: Reg sample

			Result	Units	Qlfr
FASP					
Parameter	: Volatiles				
Method	: FASP-037				
Prep Method	: 00	unspecified			
Analytes	: 630206	1,1,1,2-Tetrachloroethane	1.00	ug/L	UJ
	71556	1,1,1-Trichloroethane	1.00	ug/L	UJ
	79005	1,1,2-Trichloroethane	1.00	ug/L	UJ
	75343	1,1-Dichloroethane	1.00	ug/L	UJ
	75354	1,1-dichloroethene	1.00	ug/L	UJ
	107062	1,2-Dichloroethane	1.00	ug/L	UJ
	156592	cis-1,2-Dichloroethene	1.00	ug/L	UJ
	79345	Ethane, 1,1,2,2-tetrachl	10	ug/L	UJ
	79016	**Ethene, trichloro-**	**4.23**	**ug/L**	**J**
	127184	**Tetrachloroethene**	**1.20**	**ug/L**	**J**
	156605	trans-1,2-Dichloroethene	1.00	ug/L	UJ
	75014	Vinyl Chloride	1.00	ug/L	UJ

FINAL

Sent to: Mark Ader
cc: Mark Longtine
8/14/96

Manchester Environmental Laboratory
Final Report

Project Code:	FSP-005A	**Collected:**	0:33
Project Name:	COEUR d'ALENE	**Matrix:**	Air
Project Officer:	MARK ADER	**Sample Number:**	96203103
Account Code:	96T10PTFA10Q6LA00	**Type:**	Reg sample
Station Description:			

FASP

Parameter : Volatiles
Method : FASP-037
Prep Method: 00 unspecified

Analytes		Result	Units	Qlfr
630206	1,1,1,2-Tetrachloroethane	0.50	ug/L	UJ
71556	1,1,1-Trichloroethane	0.50	ug/L	UJ
79005	1,1,2-Trichloroethane	0.50	ug/L	UJ
75343	1,1-Dichloroethane	0.50	ug/L	UJ
75354	1,1-dichloroethene	0.50	ug/L	UJ
107062	1,2-Dichloroethane	0.50	ug/L	UJ
156592	cis-1,2-Dichloroethene	0.50	ug/L	UJ
79345	Ethane, 1,1,2,2-tetrachl	5	ug/L	UJ
79016	**Ethene, trichloro-**	**1.22**	**ug/L**	**J**
127184	Tetrachloroethene	0.50	ug/L	UJ
156605	trans-1,2-Dichloroethene	0.50	ug/L	UJ
75014	Vinyl Chloride	0.50	ug/L	UJ

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Project Code: FSP-005A
Project Name: COEUR d'ALENE
Project Officer: MARK ADER
Account Code: 96T10PTFA10Q6LA00
Station Description:

Collected: 0:36
Matrix: Air
Sample Number: 96203105
Type: Reg sample

FASP

Parameter : Volatiles
Method : FASP-037
Prep Method: 00 unspecified

Analytes		Result	Units	Qlfr
630206	1,1,1,2-Tetrachloroethane	0.25	ug/L	UJ
71556	1,1,1-Trichloroethane	0.25	ug/L	UJ
79005	1,1,2-Trichloroethane	0.25	ug/L	UJ
75343	1,1-Dichloroethane	0.25	ug/L	UJ
75354	1,1-dichloroethene	0.25	ug/L	UJ
107062	1,2-Dichloroethane	0.25	ug/L	UJ
156592	cis-1,2-Dichloroethene	0.25	ug/L	UJ
79345	Ethane, 1,1,2,2-tetrachl	2.5	ug/L	UJ
79016	**Ethene, trichloro-**	**3.14**	**ug/L**	**J**
127184	**Tetrachloroethene**	**0.30**	**ug/L**	**J**
156605	trans-1,2-Dichloroethene	0.25	ug/L	UJ
75014	Vinyl Chloride	0.25	ug/L	UJ

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Project Code:	FSP-005A	**Collected:**	0:41
Project Name:	COEUR d'ALENE	**Matrix:**	Air
Project Officer:	MARK ADER	**Sample Number:**	96203107
Account Code:	96T10PTFA10Q6LA00	**Type:**	Reg sample
Station Description:			

FASP

Parameter : Volatiles
Method : FASP-037
Prep Method: 00 unspecified

Analytes		Result	Units	Qlfr
630206	1,1,1,2-Tetrachloroethane	1.00	ug/L	UJ
71556	1,1,1-Trichloroethane	1.00	ug/L	UJ
79005	1,1,2-Trichloroethane	1.00	ug/L	UJ
75343	1,1-Dichloroethane	1.00	ug/L	UJ
75354	1,1-dichloroethene	1.00	ug/L	UJ
107062	1,2-Dichloroethane	1.00	ug/L	UJ
156592	cis-1,2-Dichloroethene	1.00	ug/L	UJ
79345	Ethane, 1,1,2,2-tetrachl	10	ug/L	UJ
79016	**Ethene, trichloro-**	**11.4**	**ug/L**	**J**
127184	**Tetrachloroethene**	**8.41**	**ug/L**	**J**
156605	trans-1,2-Dichloroethene	1.00	ug/L	UJ
75014	Vinyl Chloride	1.00	ug/L	UJ

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Project Code: FSP-005A
Project Name: COEUR d'ALENE
Project Officer: MARK ADER
Account Code: 96T10PTFA10Q6LA00
Station Description:

Collected: 0:44
Matrix: Air
Sample Number: 96203110
Type: Reg sample

			Result	Units	Qlfr
FASP					
Parameter :	Volatiles				
Method :	FASP-037				
Prep Method:	00	unspecified			
Analytes :	630206	1,1,1,2-Tetrachloroethane	1.00	ug/L	UJ
	71556	1,1,1-Trichloroethane	1.00	ug/L	UJ
	79005	1,1,2-Trichloroethane	1.00	ug/L	UJ
	75343	1,1-Dichloroethane	1.00	ug/L	UJ
	75354	1,1-dichloroethene	1.00	ug/L	UJ
	107062	1,2-Dichloroethane	1.00	ug/L	UJ
	156592	cis-1,2-Dichloroethene	1.00	ug/L	UJ
	79345	Ethane, 1,1,2,2-tetrachl	10	ug/L	UJ
	79016	**Ethene, trichloro-**	**29.1**	**ug/L**	**J**
	127184	**Tetrachloroethene**	**1.75**	**ug/L**	**J**
	156605	trans-1,2-Dichloroethene	1.00	ug/L	UJ
	75014	Vinyl Chloride	1.00	ug/L	UJ

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Project Code:	FSP-005A	**Collected:**	5/13/96 16:15
Project Name:	COEUR d'ALENE	**Matrix:**	Air
Project Officer:	MARK ADER	**Sample Number:**	96203111
Account Code:	96T10PTFA10Q6LA00	**Type:**	Reg sample
Station Description:			

			Result	Units	Qlfr
FASP					
Parameter	: Volatiles				
Method	: FASP-037				
Prep Method	: 00	unspecified			
Analytes	: **79016**	**Ethene, trichloro-**	**0.004**	**ug/L**	
	127184	Tetrachloroethene	0.002	ug/L	U

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Project Code:	FSP-005A	**Collected:**	5/14/96 7:29
Project Name:	COEUR d'ALENE	**Matrix:**	Air
Project Officer:	MARK ADER	**Sample Number:**	96203112
Account Code:	96T10PTFA10Q6LA00	**Type:**	Reg sample
Station Description:			

			Result	Units	Qlfr
FASP					
Parameter	: Volatiles				
Method	: FASP-038				
Prep Method	: 00	unspecified			
Analytes	: 79016	Ethene, trichloro-	0.002	ug/L	UJ
	127184	Tetrachloroethene	0.002	ug/L	U

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Project Code:	FSP-005A	**Collected:**	5/14/96 7:45
Project Name:	COEUR d'ALENE	**Matrix:**	Air
Project Officer:	MARK ADER	**Sample Number:**	96203113
Account Code:	96T10PTFA10Q6LA00	**Type:**	Reg sample
Station Description:			

			Result	Units	Qlfr
FASP					
Parameter	: Volatiles				
Method	: FASP-037				
Prep Method	: 00	unspecified			
Analytes	: 79016	Ethene, trichloro-	63	%Rec	J
	127184	Tetrachloroethene	72	%Rec	

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Project Code: FSP-005A
Project Name: COEUR d'ALENE
Project Officer: MARK ADER
Account Code: 96T10PTFA10Q6LA00
Station Description:

Collected: 0:33
Matrix: Air
Sample Number: 96203115
Type: Reg sample

			Result	Units	Qlfr
FASP					
Parameter	: Volatiles				
Method	: FASP-038				
Prep Method	: 00	unspecified			
Analytes	: 630206	1,1,1,2-Tetrachloroethane	0.10	ug/L	U
	71556	1,1,1-Trichloroethane	0.10	ug/L	U
	79005	1,1,2-Trichloroethane	0.10	ug/L	U
	75343	1,1-Dichloroethane	0.10	ug/L	U
	75354	1,1-dichloroethene	0.10	ug/L	U
	107062	1,2-Dichloroethane	0.10	ug/L	U
	156592	cis-1,2-Dichloroethene	0.10	ug/L	U
	79345	Ethane, 1,1,2,2-tetrachl	1.0	ug/L	U
	79016	**Ethene, trichloro-**	**5.76**	**ug/L**	
	127184	**Tetrachloroethene**	**0.46**	**ug/L**	
	156605	trans-1,2-Dichloroethene	0.10	ug/L	U
	75014	Vinyl Chloride	0.10	ug/L	UJ

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Project Code:	FSP-005A	**Collected:**	0:36
Project Name:	COEUR d'ALENE	**Matrix:**	Air
Project Officer:	MARK ADER	**Sample Number:**	96203117
Account Code:	96T10PTFA10Q6LA00	**Type:**	Reg sample
Station Description:			

FASP

Parameter : Volatiles
Method : FASP-037
Prep Method: 00 unspecified

Analytes		Result	Units	Qlfr
630206	1,1,1,2-Tetrachloroethane	0.20	ug/L	U
71556	**1,1,1-Trichloroethane**	**0.35**	**ug/L**	
79005	1,1,2-Trichloroethane	0.20	ug/L	U
75343	1,1-Dichloroethane	0.20	ug/L	U
75354	1,1-dichloroethene	0.20	ug/L	U
107062	1,2-Dichloroethane	0.20	ug/L	U
156592	cis-1,2-Dichloroethene	0.20	ug/L	U
79345	Ethane, 1,1,2,2-tetrachl	2.0	ug/L	U
79016	**Ethene, trichloro-**	**1.23**	**ug/L**	
127184	**Tetrachloroethene**	**6.75**	**ug/L**	
156605	trans-1,2-Dichloroethene	0.20	ug/L	U
75014	Vinyl Chloride	0.20	ug/L	UJ

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Project Code:	FSP-005A	**Collected:**	0:39
Project Name:	COEUR d'ALENE	**Matrix:**	Air
Project Officer:	MARK ADER	**Sample Number:**	96203119
Account Code:	96T10PTFA10Q6LA00	**Type:**	Reg sample
Station Description:			

FASP

Parameter : Volatiles
Method : FASP-037
Prep Method: 00 unspecified

Analytes		Result	Units	Qlfr
630206	1,1,1,2-Tetrachloroethane	0.20	ug/L	U
71556	1,1,1-Trichloroethane	0.20	ug/L	U
79005	1,1,2-Trichloroethane	0.20	ug/L	U
75343	1,1-Dichloroethane	0.20	ug/L	U
75354	1,1-dichloroethene	0.20	ug/L	U
107062	1,2-Dichloroethane	0.20	ug/L	U
156592	cis-1,2-Dichloroethene	0.20	ug/L	U
79345	Ethane, 1,1,2,2-tetrachl	2.0	ug/L	U
79016	**Ethene, trichloro-**	**1.71**	**ug/L**	
127184	**Tetrachloroethene**	**0.30**	**ug/L**	
156605	trans-1,2-Dichloroethene	0.20	ug/L	U
75014	Vinyl Chloride	0.20	ug/L	UJ

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Project Code:	FSP-005A	**Collected:**	5/14/96 14:12
Project Name:	COEUR d'ALENE	**Matrix:**	Air
Project Officer:	MARK ADER	**Sample Number:**	96203120
Account Code:	96T10PTFA10Q6LA00	**Type:**	Reg sample
Station Description:			

			Result	Units	Qlfr
FASP					
Parameter	: Volatiles				
Method	: FASP-037				
Prep Method	: 00	unspecified			
Analytes	: 79016	Ethene, trichloro-	0.002	ug/L	UJ
	127184	**Tetrachloroethene**	**0.0026**	**ug/L**	

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Project Code: FSP-005A
Project Name: COEUR d'ALENE
Project Officer: MARK ADER
Account Code: 96T10PTFA10Q6LA00
Station Description:

Collected: 0:45
Matrix: Air
Sample Number: 96203122
Type: Reg sample

FASP

Parameter : Volatiles
Method : FASP-037
Prep Method: 00 unspecified

Analytes		Result	Units	Qlfr
630206	1,1,1,2-Tetrachloroethane	1.00	ug/L	U
71556	1,1,1-Trichloroethane	1.00	ug/L	U
79005	1,1,2-Trichloroethane	1.00	ug/L	U
75343	1,1-Dichloroethane	1.00	ug/L	U
75354	1,1-dichloroethene	1.00	ug/L	U
107062	1,2-Dichloroethane	1.00	ug/L	U
156592	cis-1,2-Dichloroethene	1.00	ug/L	U
79345	Ethane, 1,1,2,2-tetrachl	10	ug/L	U
79016	**Ethene, trichloro-**	**3.32**	**ug/L**	
127184	Tetrachloroethene	1.00	ug/L	U
156605	trans-1,2-Dichloroethene	1.00	ug/L	U
75014	Vinyl Chloride	1.00	ug/L	UJ

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Project Code:	FSP-005A	**Collected:**	0:48
Project Name:	COEUR d'ALENE	**Matrix:**	Air
Project Officer:	MARK ADER	**Sample Number:**	96203124
Account Code:	96T10PTFA10Q6LA00	**Type:**	Reg sample
Station Description:			

			Result	Units	Qlfr
FASP					
Parameter	: Volatiles				
Method	: FASP-037				
Prep Method	: 00	unspecified			
Analytes	: 630206	1,1,1,2-Tetrachloroethane	0.50	ug/L	U
	71556	1,1,1-Trichloroethane	0.50	ug/L	U
	79005	1,1,2-Trichloroethane	0.50	ug/L	U
	75343	1,1-Dichloroethane	0.50	ug/L	U
	75354	1,1-dichloroethene	0.50	ug/L	U
	107062	1,2-Dichloroethane	0.50	ug/L	U
	156592	cis-1,2-Dichloroethene	0.50	ug/L	U
	79345	Ethane, 1,1,2,2-tetrachl	5.0	ug/L	U
	79016	**Ethene, trichloro-**	**2.84**	**ug/L**	
	127184	Tetrachloroethene	0.50	ug/L	U
	156605	trans-1,2-Dichloroethene	0.50	ug/L	U
	75014	Vinyl Chloride	0.50	ug/L	UJ

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Project Code:	FSP-005A	**Collected:**	0:51
Project Name:	COEUR d'ALENE	**Matrix:**	Air
Project Officer:	MARK ADER	**Sample Number:**	96203126
Account Code:	96T10PTFA10Q6LA00	**Type:**	Reg sample
Station Description:			

			Result	Units	Qlfr
FASP					
Parameter	: Volatiles				
Method	: FASP-037				
Prep Method	: 00	unspecified			
Analytes	: 630206	1,1,1,2-Tetrachloroethane	0.20	ug/L	U
	71556	1,1,1-Trichloroethane	0.20	ug/L	U
	79005	1,1,2-Trichloroethane	0.20	ug/L	U
	75343	1,1-Dichloroethane	0.20	ug/L	U
	75354	1,1-dichloroethene	0.20	ug/L	U
	107062	1,2-Dichloroethane	0.20	ug/L	U
	156592	cis-1,2-Dichloroethene	0.20	ug/L	U
	79345	Ethane, 1,1,2,2-tetrachl	2.0	ug/L	U
	79016	**Ethene, trichloro-**	**2.16**	**ug/L**	
	127184	**Tetrachloroethene**	**0.30**	**ug/L**	
	156605	trans-1,2-Dichloroethene	0.20	ug/L	U
	75014	Vinyl Chloride	0.20	ug/L	UJ

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Project Code: FSP-005A
Project Name: COEUR d'ALENE
Project Officer: MARK ADER
Account Code: 96T10PTFA10Q6LA00
Station Description:

Collected: 0:54
Matrix: Air
Sample Number: 96203127
Type: Reg sample

FASP

Parameter : Volatiles
Method : FASP-037
Prep Method: 00 unspecified

Analytes		Result	Units	Qlfr
630206	1,1,1,2-Tetrachloroethane	0.02	ug/L	U
71556	**1,1,1-Trichloroethane**	**0.04**	**ug/L**	
79005	1,1,2-Trichloroethane	0.02	ug/L	U
75343	1,1-Dichloroethane	0.02	ug/L	U
75354	1,1-dichloroethene	0.02	ug/L	U
107062	1,2-Dichloroethane	0.02	ug/L	U
156592	cis-1,2-Dichloroethene	0.02	ug/L	U
79345	Ethane, 1,1,2,2-tetrachl	0.2	ug/L	U
79016	**Ethene, trichloro-**	**2.42**	**ug/L**	**J**
127184	**Tetrachloroethene**	**0.05**	**ug/L**	
156605	trans-1,2-Dichloroethene	0.02	ug/L	U
75014	Vinyl Chloride	0.02	ug/L	U

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Project Code:	FSP-005A	**Collected:**	0:26
Project Name:	COEUR d'ALENE	**Matrix:**	Air
Project Officer:	MARK ADER	**Sample Number:**	96203129
Account Code:	96T10PTFA10Q6LA00	**Type:**	Reg sample
Station Description:			

FASP

Parameter : Volatiles
Method : FASP-037
Prep Method: NONE

Analytes			Result	Units	Qlfr
	630206	1,1,1,2-Tetrachloroethane	1.00	ug/L	U
	71556	1,1,1-Trichloroethane	1.00	ug/L	U
	79005	1,1,2-Trichloroethane	1.00	ug/L	U
	75343	1,1-Dichloroethane	1.00	ug/L	U
	75354	1,1-dichloroethene	1.00	ug/L	U
	107062	1,2-Dichloroethane	1.00	ug/L	U
	156592	cis-1,2-Dichloroethene	1.00	ug/L	U
	79345	Ethane, 1,1,2,2-tetrachl	10	ug/L	U
	79016	**Ethene, trichloro-**	**15.6**	**ug/L**	
	127184	**Tetrachloroethene**	**8.21**	**ug/L**	
	156605	trans-1,2-Dichloroethene	1.00	ug/L	U
	75014	Vinyl Chloride	1.00	ug/L	UJ

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Project Code:	FSP-005A	**Collected:**	5/15/96 9:32
Project Name:	COEUR d'ALENE	**Matrix:**	Air
Project Officer:	MARK ADER	**Sample Number:**	96203130
Account Code:	96T10PTFA10Q6LA00	**Type:**	Reg sample
Station Description:			

			Result	Units	Qlfr
FASP					
Parameter	: Volatiles				
Method	: FASP-038				
Prep Method	: 00	unspecified			
Analytes	: **79016**	**Ethene, trichloro-**	**0.384**	**ug/L**	
	127184	**Tetrachloroethene**	**0.163**	**ug/L**	

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Project Code: FSP-005A
Project Name: COEUR d'ALENE
Project Officer: MARK ADER
Account Code: 96T10PTFA10Q6LA00
Station Description:

Collected: 0:32
Matrix: Air
Sample Number: 96203131
Type: Reg sample

FASP

Parameter : Volatiles
Method : FASP-037
Prep Method: NONE

Analytes			Result	Units	Qlfr
	630206	1,1,1,2-Tetrachloroethane	0.50	ug/L	U
	71556	1,1,1-Trichloroethane	0.50	ug/L	U
	79005	1,1,2-Trichloroethane	0.50	ug/L	U
	75343	1,1-Dichloroethane	0.50	ug/L	U
	75354	1,1-dichloroethene	0.50	ug/L	U
	107062	1,2-Dichloroethane	0.50	ug/L	U
	156592	cis-1,2-Dichloroethene	0.50	ug/L	U
	79345	Ethane, 1,1,2,2-tetrachl	5.0	ug/L	U
	79016	**Ethene, trichloro-**	**1.83**	**ug/L**	
	127184	**Tetrachloroethene**	**0.65**	**ug/L**	
	156605	trans-1,2-Dichloroethene	0.50	ug/L	U
	75014	Vinyl Chloride	0.50	ug/L	UJ

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Project Code:	FSP-005A	**Collected:**	0:33
Project Name:	COEUR d'ALENE	**Matrix:**	Air
Project Officer:	MARK ADER	**Sample Number:**	96203132
Account Code:	96T10PTFA10Q6LA00	**Type:**	Reg sample
Station Description:			

FASP

Parameter : Volatiles
Method : FASP-037
Prep Method: NONE

Analytes		Result	Units	Qlfr
630206	1,1,1,2-Tetrachloroethane	0.10	ug/L	U
71556	1,1,1-Trichloroethane	0.10	ug/L	U
79005	1,1,2-Trichloroethane	0.10	ug/L	U
75343	1,1-Dichloroethane	0.10	ug/L	U
75354	1,1-dichloroethene	0.10	ug/L	U
107062	1,2-Dichloroethane	0.10	ug/L	U
156592	cis-1,2-Dichloroethene	0.10	ug/L	U
79345	Ethane, 1,1,2,2-tetrachl	1.0	ug/L	U
79016	**Ethene, trichloro-**	**4.22**	**ug/L**	
127184	Tetrachloroethene	0.10	ug/L	U
156605	trans-1,2-Dichloroethene	0.10	ug/L	U
75014	Vinyl Chloride	0.10	ug/L	UJ

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Project Code:	FSP-005A	**Collected:**	0:36
Project Name:	COEUR d'ALENE	**Matrix:**	Air
Project Officer:	MARK ADER	**Sample Number:**	96203133
Account Code:	96T10PTFA10Q6LA00	**Type:**	Reg sample
Station Description:			

			Result	Units	Qlfr
FASP					
Parameter	: Volatiles				
Method	: FASP-037				
Prep Method	: NONE				
Analytes	: 630206	1,1,1,2-Tetrachloroethane	0.10	ug/L	U
	71556	1,1,1-Trichloroethane	0.10	ug/L	U
	79005	1,1,2-Trichloroethane	0.10	ug/L	U
	75343	1,1-Dichloroethane	0.10	ug/L	U
	75354	1,1-dichloroethene	0.10	ug/L	U
	107062	1,2-Dichloroethane	0.10	ug/L	U
	156592	cis-1,2-Dichloroethene	0.10	ug/L	U
	79345	Ethane, 1,1,2,2-tetrachl	1.0	ug/L	U
	79016	**Ethene, trichloro-**	**1.54**	**ug/L**	
	127184	**Tetrachloroethene**	**0.16**	**ug/L**	
	156605	trans-1,2-Dichloroethene	0.10	ug/L	U
	75014	Vinyl Chloride	0.10	ug/L	UJ

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Project Code:	FSP-005A	**Collected:**	5/15/96 13:18
Project Name:	COEUR d'ALENE	**Matrix:**	Air
Project Officer:	MARK ADER	**Sample Number:**	96203134
Account Code:	96T10PTFA10Q6LA00	**Type:**	Reg sample
Station Description:			

			Result	Units	Qlfr
FASP					
Parameter	: Volatiles				
Method	: FASP-038				
Prep Method	: 00	unspecified			
Analytes	: **79016**	**Ethene, trichloro-**	**0.0021**	**ug/L**	
	127184	Tetrachloroethene	0.002	ug/L	U

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Project Code:	FSP-005A	**Collected:**	0:44
Project Name:	COEUR d'ALENE	**Matrix:**	Air
Project Officer:	MARK ADER	**Sample Number:**	96203135
Account Code:	96T10PTFA10Q6LA00	**Type:**	Reg sample
Station Description:			

FASP

Parameter : Volatiles
Method : FASP-037
Prep Method: NONE

Analytes			Result	Units	Qlfr
	630206	1,1,1,2-Tetrachloroethane	1.00	ug/L	U
	71556	1,1,1-Trichloroethane	1.00	ug/L	U
	79005	1,1,2-Trichloroethane	1.00	ug/L	U
	75343	1,1-Dichloroethane	1.00	ug/L	U
	75354	1,1-dichloroethene	1.00	ug/L	U
	107062	1,2-Dichloroethane	1.00	ug/L	U
	156592	cis-1,2-Dichloroethene	1.00	ug/L	U
	79345	Ethane, 1,1,2,2-tetrachl	10	ug/L	U
	79016	**Ethene, trichloro-**	**40.6**	**ug/L**	
	127184	**Tetrachloroethene**	**1.36**	**ug/L**	
	156605	trans-1,2-Dichloroethene	1.00	ug/L	U
	75014	Vinyl Chloride	1.00	ug/L	UJ

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Project Code: FSP-005A
Project Name: COEUR d'ALENE
Project Officer: MARK ADER
Account Code: 96T10PTFA10Q6LA00
Station Description:

Collected: 0:45
Matrix: Air
Sample Number: 96203136
Type: Reg sample

		Result	Units	Qlfr
FASP				
Parameter : Volatiles				
Method : FASP-037				
Prep Method: NONE				
Analytes : 630206	1,1,1,2-Tetrachloroethane	1.00	ug/L	U
71556	1,1,1-Trichloroethane	1.00	ug/L	U
79005	1,1,2-Trichloroethane	1.00	ug/L	U
75343	1,1-Dichloroethane	1.00	ug/L	U
75354	1,1-dichloroethene	1.00	ug/L	U
107062	1,2-Dichloroethane	1.00	ug/L	U
156592	cis-1,2-Dichloroethene	1.00	ug/L	U
79345	Ethane, 1,1,2,2-tetrachl	10	ug/L	U
79016	**Ethene, trichloro-**	**33.4**	**ug/L**	
127184	Tetrachloroethene	1.00	ug/L	U
156605	trans-1,2-Dichloroethene	1.00	ug/L	U
75014	Vinyl Chloride	1.00	ug/L	UJ

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Project Code:	FSP-005A	**Collected:**	0:48
Project Name:	COEUR d'ALENE	**Matrix:**	Air
Project Officer:	MARK ADER	**Sample Number:**	96203137
Account Code:	96T10PTFA10Q6LA00	**Type:**	Reg sample
Station Description:			

			Result	Units	Qlfr
FASP					
Parameter	: Volatiles				
Method	: FASP-037				
Prep Method	: NONE				
Analytes	: 630206	1,1,1,2-Tetrachloroethane	1.00	ug/L	U
	71556	1,1,1-Trichloroethane	1.00	ug/L	U
	79005	1,1,2-Trichloroethane	1.00	ug/L	U
	75343	1,1-Dichloroethane	1.00	ug/L	U
	75354	1,1-dichloroethene	1.00	ug/L	U
	107062	1,2-Dichloroethane	1.00	ug/L	U
	156592	cis-1,2-Dichloroethene	1.00	ug/L	U
	79345	Ethane, 1,1,2,2-tetrachl	10	ug/L	U
	79016	**Ethene, trichloro-**	**2.31**	**ug/L**	
	127184	**Tetrachloroethene**	**2.01**	**ug/L**	
	156605	trans-1,2-Dichloroethene	1.00	ug/L	U
	75014	Vinyl Chloride	1.00	ug/L	UJ

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Project Code: FSP-005A
Project Name: COEUR d'ALENE
Project Officer: MARK ADER
Account Code: 96T10PTFA10Q6LA00
Station Description:

Collected: 0:26
Matrix: Air
Sample Number: 96203138
Type: Reg sample

			Result	Units	Qlfr
FASP					
Parameter :	Volatiles				
Method :					
Prep Method:					
Analytes :	630206	1,1,1,2-Tetrachloroethane	0.10	ug/L	U
	71556	**1,1,1-Trichloroethane**	**0.26**	**ug/L**	**J**
	79005	1,1,2-Trichloroethane	0.10	ug/L	U
	75343	1,1-Dichloroethane	0.10	ug/L	U
	75354	1,1-dichloroethene	0.10	ug/L	U
	107062	1,2-Dichloroethane	0.10	ug/L	U
	156592	cis-1,2-Dichloroethene	0.10	ug/L	U
	79345	Ethane, 1,1,2,2-tetrachl	1.0	ug/L	U
	79016	**Ethene, trichloro-**	**4.22**	**ug/L**	
	127184	Tetrachloroethene	0.10	ug/L	U
	156605	trans-1,2-Dichloroethene	0.10	ug/L	U
	75014	Vinyl Chloride	0.10	ug/L	UJ

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Project Code:	FSP-005A	**Collected:**	0:29
Project Name:	COEUR d'ALENE	**Matrix:**	Air
Project Officer:	MARK ADER	**Sample Number:**	96203139
Account Code:	96T10PTFA10Q6LA00	**Type:**	Reg sample
Station Description:			

FASP

Parameter : Volatiles
Method : FASP-037
Prep Method: NONE

Analytes		Result	Units	Qlfr
630206	1,1,1,2-Tetrachloroethane	0.10	ug/L	U
71556	**1,1,1-Trichloroethane**	**0.18**	**ug/L**	**J**
79005	1,1,2-Trichloroethane	0.10	ug/L	U
75343	1,1-Dichloroethane	0.10	ug/L	U
75354	1,1-dichloroethene	0.10	ug/L	U
107062	1,2-Dichloroethane	0.10	ug/L	U
156592	cis-1,2-Dichloroethene	0.10	ug/L	U
79345	Ethane, 1,1,2,2-tetrachl	1.0	ug/L	U
79016	**Ethene, trichloro-**	**1.54**	**ug/L**	
127184	Tetrachloroethene	0.10	ug/L	U
156605	trans-1,2-Dichloroethene	0.10	ug/L	U
75014	Vinyl Chloride	0.10	ug/L	UJ

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Project Code: FSP-005A
Project Name: COEUR d'ALENE
Project Officer: MARK ADER
Account Code: 96T10PTFA10Q6LA00
Station Description:

Collected: 0:30
Matrix: Air
Sample Number: 96203140
Type: Reg sample

FASP

Parameter : Volatiles
Method : FASP-037
Prep Method: NONE

Analytes		Result	Units	Qlfr
630206	1,1,1,2-Tetrachloroethane	0.10	ug/L	U
71556	**1,1,1-Trichloroethane**	**0.18**	**ug/L**	**J**
79005	1,1,2-Trichloroethane	0.10	ug/L	U
75343	1,1-Dichloroethane	0.10	ug/L	U
75354	1,1-dichloroethene	0.10	ug/L	U
107062	1,2-Dichloroethane	0.10	ug/L	U
156592	cis-1,2-Dichloroethene	0.10	ug/L	U
79345	Ethane, 1,1,2,2-tetrachl	1.0	ug/L	U
79016	**Ethene, trichloro-**	**4.54**	**ug/L**	
127184	Tetrachloroethene	0.10	ug/L	U
156605	trans-1,2-Dichloroethene	0.10	ug/L	U
75014	Vinyl Chloride	0.10	ug/L	UJ

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Project Code:	FSP-005A	**Collected:**	5/16/96 10:36
Project Name:	COEUR d'ALENE	**Matrix:**	Air
Project Officer:	MARK ADER	**Sample Number:**	96203141
Account Code:	96T10PTFA10Q6LA00	**Type:**	Reg sample
Station Description:			

			Result	Units	Qlfr
FASP					
Parameter	: Volatiles				
Method	: FASP-038				
Prep Method	: 00	unspecified			
Analytes	: **79016**	**Ethene, trichloro-**	**0.0423**	**ug/L**	**J**
	127184	Tetrachloroethene	0.02	ug/L	U

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Project Code: FSP-005A
Project Name: COEUR d'ALENE
Project Officer: MARK ADER
Account Code: 96T10PTFA10Q6LA00
Station Description:

Collected: 5/16/96 11:16
Matrix: Air
Sample Number: 96203142
Type: Reg sample

			Result	Units	Qlfr
FASP					
Parameter	: Volatiles				
Method	: FASP-037				
Prep Method	: NONE				
Analytes	: 630206	1,1,1,2-Tetrachloroethane	0.10	ug/L	U
	71556	1,1,1-Trichloroethane	0.10	ug/L	U
	79005	1,1,2-Trichloroethane	0.10	ug/L	U
	75343	1,1-Dichloroethane	0.10	ug/L	U
	75354	1,1-dichloroethene	0.10	ug/L	U
	107062	1,2-Dichloroethane	0.10	ug/L	U
	156592	cis-1,2-Dichloroethene	0.10	ug/L	U
	79345	Ethane, 1,1,2,2-tetrachl	1.0	ug/L	U
	79016	Ethene, trichloro-	0.01	ug/L	U
	127184	Tetrachloroethene	0.01	ug/L	UJ
	156605	trans-1,2-Dichloroethene	0.10	ug/L	U
	75014	Vinyl Chloride	0.10	ug/L	UJ

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Project Code:	FSP-005A	**Collected:**	5/16/96 14:30
Project Name:	COEUR d'ALENE	**Matrix:**	Air
Project Officer:	MARK ADER	**Sample Number:**	96203143
Account Code:	96T10PTFA10Q6LA00	**Type:**	Reg sample
Station Description:			

			Result	Units	Qlfr
FASP					
Parameter :	Volatiles				
Method :	FASP-038				
Prep Method:	00	unspecified			
Analytes :	79016	Ethene, trichloro-	0.01	ug/L	UJ
	127184	Tetrachloroethene	0.01	ug/L	U

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Project Code:	FSP-005A	**Collected:**	0:48
Project Name:	COEUR d'ALENE	**Matrix:**	Air
Project Officer:	MARK ADER	**Sample Number:**	96203144
Account Code:	96T10PTFA10Q6LA00	**Type:**	Reg sample
Station Description:			

FASP

Parameter : Volatiles
Method : FASP-037
Prep Method: NONE

Analytes		Result	Units	Qlfr
630206	1,1,1,2-Tetrachloroethane	0.10	ug/L	U
71556	1,1,1-Trichloroethane	0.10	ug/L	U
79005	1,1,2-Trichloroethane	0.10	ug/L	U
75343	1,1-Dichloroethane	0.10	ug/L	U
75354	1,1-dichloroethene	0.10	ug/L	U
107062	1,2-Dichloroethane	0.10	ug/L	U
156592	cis-1,2-Dichloroethene	0.10	ug/L	U
79345	Ethane, 1,1,2,2-tetrachl	1.0	ug/L	U
79016	Ethene, trichloro-	0.10	ug/L	U
127184	Tetrachloroethene	0.10	ug/L	U
156605	trans-1,2-Dichloroethene	0.10	ug/L	U
75014	Vinyl Chloride	0.10	ug/L	UJ

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Project Code:	FSP-005A	**Collected:**	5/16/96 16:03
Project Name:	COEUR d'ALENE	**Matrix:**	Air
Project Officer:	MARK ADER	**Sample Number:**	96203145
Account Code:	96T10PTFA10Q6LA00	**Type:**	Reg sample
Station Description:			

			Result	Units	Qlfr
FASP					
Parameter	: Volatiles				
Method	: FASP-038				
Prep Method	: 00	unspecified			
Analytes	: 79016	Ethene, trichloro-	0.01	ug/L	UJ
	127184	Tetrachloroethene	0.01	ug/L	U

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Project Code: FSP-005A
Project Name: COEUR d'ALENE
Project Officer: MARK ADER
Account Code: 96T10PTFA10Q6LA00
Station Description:

Collected: 0:51
Matrix: Air
Sample Number: 96203146
Type: Reg sample

			Result	Units	Qlfr
FASP					
Parameter :	Volatiles				
Method :	FASP-037				
Prep Method:	NONE				
Analytes :	630206	1,1,1,2-Tetrachloroethane	0.10	ug/L	U
	71556	1,1,1-Trichloroethane	0.10	ug/L	U
	79005	1,1,2-Trichloroethane	0.10	ug/L	U
	75343	1,1-Dichloroethane	0.10	ug/L	U
	75354	1,1-dichloroethene	0.10	ug/L	U
	107062	1,2-Dichloroethane	0.10	ug/L	U
	156592	cis-1,2-Dichloroethene	0.10	ug/L	U
	79345	Ethane, 1,1,2,2-tetrachl	1.0	ug/L	U
	79016	Ethene, trichloro-	0.10	ug/L	U
	127184	Tetrachloroethene	0.10	ug/L	U
	156605	trans-1,2-Dichloroethene	0.10	ug/L	U
	75014	Vinyl Chloride	0.10	ug/L	UJ

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Project Code:	FSP-005A	**Collected:**	5/16/96 17:40
Project Name:	COEUR d'ALENE	**Matrix:**	Air
Project Officer:	MARK ADER	**Sample Number:**	96203147
Account Code:	96T10PTFA10Q6LA00	**Type:**	Reg sample
Station Description:			

			Result	Units	Qlfr
FASP					
Parameter	: Volatiles				
Method	: FASP-038				
Prep Method	: 00	unspecified			
Analytes	: 79016	Ethene, trichloro-	0.002	ug/L	UJ
	127184	Tetrachloroethene	0.002	ug/L	U

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Project Code: FSP-005A
Project Name: COEUR d'ALENE
Project Officer: MARK ADER
Account Code: 96T10PTFA10Q6LA00
Station Description:

Collected: 0:55
Matrix: Air
Sample Number: 96203148
Type: Spike Blank

			Result	Units	Qlfr
FASP					
Parameter	: Volatiles				
Method	: FASP-037				
Prep Method	: NONE				
Analytes	: 630206	1,1,1,2-Tetrachloroethane	96	%Rec	
	71556	1,1,1-Trichloroethane	209	%Rec	
	79005	1,1,2-Trichloroethane	132	%Rec	
	75343	1,1-Dichloroethane	76	%Rec	
	75354	1,1-dichloroethene	86	%Rec	
	107062	1,2-Dichloroethane	117	%Rec	
	156592	cis-1,2-Dichloroethene	91	%Rec	
	79345	Ethane, 1,1,2,2-tetrachl	223	%Rec	
	79016	Ethene, trichloro-	68	%Rec	
	127184	Tetrachloroethene	100	%Rec	
	156605	trans-1,2-Dichloroethene	119	%Rec	J
	75014	Vinyl Chloride	43	%Rec	

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Project Code:	FSP-005A	**Collected:**	0:26
Project Name:	COEUR d'ALENE	**Matrix:**	Air
Project Officer:	MARK ADER	**Sample Number:**	96203149
Account Code:	96T10PTFA10Q6LA00	**Type:**	Reg sample
Station Description:			

			Result	Units	Qlfr
FASP					
Parameter	: Volatiles				
Method	: FASP-038				
Prep Method	: 00	unspecified			
Analytes	: 79016	Ethene, trichloro-	0.002	ug/L	UJ
	127184	Tetrachloroethene	0.002	ug/L	U

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Project Code:	FSP-005A	**Collected:**	5/17/96 9:02
Project Name:	COEUR d'ALENE	**Matrix:**	Air
Project Officer:	MARK ADER	**Sample Number:**	96203150
Account Code:	96T10PTFA10Q6LA00	**Type:**	Reg sample
Station Description:			

			Result	Units	Qlfr
FASP					
Parameter	: Volatiles				
Method	: FASP-038				
Prep Method	: 00	unspecified			
Analytes	: 79016	Ethene, trichloro-	0.002	ug/L	UJ
	127184	Tetrachloroethene	0.002	ug/L	U

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Project Code:	FSP-005A	**Collected:**	5/17/96 9:30
Project Name:	COEUR d'ALENE	**Matrix:**	Air
Project Officer:	MARK ADER	**Sample Number:**	96203151
Account Code:	96T10PTFA10Q6LA00	**Type:**	Reg sample
Station Description:			

			Result	Units	Qlfr
FASP					
Parameter	: Volatiles				
Method	: FASP-038				
Prep Method	: 00	unspecified			
Analytes	: 79016	Ethene, trichloro-	0.002	ug/L	UJ
	127184	Tetrachloroethene	0.002	ug/L	U

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Project Code:	FSP-005A	**Collected:**	5/17/96 10:08
Project Name:	COEUR d'ALENE	**Matrix:**	Air
Project Officer:	MARK ADER	**Sample Number:**	96203152
Account Code:	96T10PTFA10Q6LA00	**Type:**	Reg sample
Station Description:			

			Result	Units	Qlfr
FASP					
Parameter	: Volatiles				
Method	: FASP-038				
Prep Method	: 00	unspecified			
Analytes	: 79016	Ethene, trichloro-	0.002	ug/L	UJ
	127184	Tetrachloroethene	0.002	ug/L	U

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Project Code:	FSP-005A	**Collected:**	5/17/96 10:51
Project Name:	COEUR d'ALENE	**Matrix:**	Air
Project Officer:	MARK ADER	**Sample Number:**	96203153
Account Code:	96T10PTFA10Q6LA00	**Type:**	Reg sample
Station Description:			

			Result	Units	Qlfr
FASP					
Parameter	: Volatiles				
Method	: FASP-038				
Prep Method	: 00	unspecified			
Analytes	: 79016	Ethene, trichloro-	0.002	ug/L	UJ
	127184	Tetrachloroethene	0.002	ug/L	U

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Project Code:	FSP-005A	**Collected:**	0:35
Project Name:	COEUR d'ALENE	**Matrix:**	Air
Project Officer:	MARK ADER	**Sample Number:**	96203154
Account Code:	96T10PTFA10Q6LA00	**Type:**	Reg sample
Station Description:			

FASP

Parameter : Volatiles
Method : FASP-037
Prep Method: NONE

Analytes		Result	Units	Qlfr
630206	1,1,1,2-Tetrachloroethane	0.10	ug/L	U
71556	1,1,1-Trichloroethane	0.10	ug/L	U
79005	1,1,2-Trichloroethane	0.10	ug/L	U
75343	1,1-Dichloroethane	0.10	ug/L	U
75354	1,1-dichloroethene	0.10	ug/L	U
107062	1,2-Dichloroethane	0.10	ug/L	U
156592	cis-1,2-Dichloroethene	0.10	ug/L	U
79345	Ethane, 1,1,2,2-tetrachl	1.0	ug/L	U
79016	Ethene, trichloro-	0.10	ug/L	U
127184	**Tetrachloroethene**	**0.11**	**ug/L**	
156605	trans-1,2-Dichloroethene	0.10	ug/L	U
75014	Vinyl Chloride	0.10	ug/L	UJ

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Project Code:	FSP-005A	**Collected:**	5/17/96 13:32
Project Name:	COEUR d'ALENE	**Matrix:**	Air
Project Officer:	MARK ADER	**Sample Number:**	96203155
Account Code:	96T10PTFA10Q6LA00	**Type:**	Reg sample
Station Description:			

			Result	Units	Qlfr
FASP					
Parameter	: Volatiles				
Method	: FASP-038				
Prep Method	: 00	unspecified			
Analytes	: 79016	Ethene, trichloro-	0.002	ug/L	UJ
	127184	Tetrachloroethene	0.002	ug/L	U

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Project Code:	FSP-005A	**Collected:**	5/17/96 14:15
Project Name:	COEUR d'ALENE	**Matrix:**	Air
Project Officer:	MARK ADER	**Sample Number:**	96203156
Account Code:	96T10PTFA10Q6LA00	**Type:**	Reg sample
Station Description:			

			Result	Units	Qlfr
FASP					
Parameter	: Volatiles				
Method	: FASP-038				
Prep Method	: 00	unspecified			
Analytes	: 79016	Ethene, trichloro-	0.002	ug/L	UJ
	127184	Tetrachloroethene	0.002	ug/L	U

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Project Code:	FSP-005A	**Collected:**	5/17/96 14:47
Project Name:	COEUR d'ALENE	**Matrix:**	Air
Project Officer:	MARK ADER	**Sample Number:**	96203157
Account Code:	96T10PTFA10Q6LA00	**Type:**	Reg sample
Station Description:			

			Result	Units	Qlfr
FASP					
Parameter	: Volatiles				
Method	: FASP-038				
Prep Method	: 00	unspecified			
Analytes	: 79016	Ethene, trichloro-	0.002	ug/L	UJ
	127184	**Tetrachloroethene**	**0.006**	**ug/L**	

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Project Code:	FSP-005A	**Collected:**	5/17/96 15:19
Project Name:	COEUR d'ALENE	**Matrix:**	Air
Project Officer:	MARK ADER	**Sample Number:**	96203158
Account Code:	96T10PTFA10Q6LA00	**Type:**	Reg sample
Station Description:			

			Result	Units	Qlfr
FASP					
Parameter	: Volatiles				
Method	: FASP-038				
Prep Method	: 00	unspecified			
Analytes	: 79016	Ethene, trichloro-	0.002	ug/L	UJ
	127184	Tetrachloroethene	0.002	ug/L	U

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Project Code:	FSP-005A	**Collected:**	0:50
Project Name:	COEUR d'ALENE	**Matrix:**	Air
Project Officer:	MARK ADER	**Sample Number:**	96203159
Account Code:	96T10PTFA10Q6LA00	**Type:**	Reg sample
Station Description:			

FASP

Parameter : Volatiles
Method : FASP-037
Prep Method: NONE

Analytes		Result	Units	Qlfr
630206	1,1,1,2-Tetrachloroethane	1.00	ug/L	U
71556	1,1,1-Trichloroethane	1.00	ug/L	U
79005	1,1,2-Trichloroethane	1.00	ug/L	U
75343	1,1-Dichloroethane	1.00	ug/L	U
75354	1,1-dichloroethene	1.00	ug/L	U
107062	1,2-Dichloroethane	1.00	ug/L	U
156592	cis-1,2-Dichloroethene	1.00	ug/L	U
79345	Ethane, 1,1,2,2-tetrachl	10	ug/L	U
79016	**Ethene, trichloro-**	**15.9**	**ug/L**	
127184	**Tetrachloroethene**	**2.62**	**ug/L**	
156605	trans-1,2-Dichloroethene	1.00	ug/L	U
75014	Vinyl Chloride	1.00	ug/L	UJ

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Project Code:	FSP-005A	**Collected:**	0:51
Project Name:	COEUR d'ALENE	**Matrix:**	Air
Project Officer:	MARK ADER	**Sample Number:**	96203160
Account Code:	96T10PTFA10Q6LA00	**Type:**	Reg sample
Station Description:			

FASP

Parameter : Volatiles
Method : FASP-037
Prep Method: NONE

Analytes		**Result**	**Units**	**Qlfr**
630206	1,1,1,2-Tetrachloroethane	1.00	ug/L	U
71556	1,1,1-Trichloroethane	1.00	ug/L	U
79005	1,1,2-Trichloroethane	1.00	ug/L	U
75343	1,1-Dichloroethane	1.00	ug/L	U
75354	1,1-dichloroethene	1.00	ug/L	U
107062	1,2-Dichloroethane	1.00	ug/L	U
156592	cis-1,2-Dichloroethene	1.00	ug/L	U
79345	Ethane, 1,1,2,2-tetrachl	10	ug/L	U
79016	**Ethene, trichloro-**	**4.44**	**ug/L**	
127184	Tetrachloroethene	1.00	ug/L	U
156605	trans-1,2-Dichloroethene	1.00	ug/L	U
75014	Vinyl Chloride	1.00	ug/L	UJ

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Project Code: FSP-005A
Project Name: COEUR d'ALENE
Project Officer: MARK ADER
Account Code: 96T10PTFA10Q6LA00
Station Description:

Collected: 0:24
Matrix: Air
Sample Number: 96203161
Type: Reg sample

FASP

Parameter : Volatiles
Method : FASP-037
Prep Method: NONE

Analytes		Result	Units	Qlfr
630206	1,1,1,2-Tetrachloroethane	1.00	ug/L	U
71556	1,1,1-Trichloroethane	1.00	ug/L	U
79005	1,1,2-Trichloroethane	1.00	ug/L	U
75343	1,1-Dichloroethane	1.00	ug/L	U
75354	1,1-dichloroethene	1.00	ug/L	U
107062	1,2-Dichloroethane	1.00	ug/L	U
156592	cis-1,2-Dichloroethene	1.00	ug/L	U
79345	Ethane, 1,1,2,2-tetrachl	10	ug/L	U
79016	**Ethene, trichloro-**	**1.47**	**ug/L**	
127184	Tetrachloroethene	1.00	ug/L	U
156605	trans-1,2-Dichloroethene	1.00	ug/L	U
75014	Vinyl Chloride	1.00	ug/L	UJ

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Project Code:	FSP-005A	**Collected:**	0:26
Project Name:	COEUR d'ALENE	**Matrix:**	Air
Project Officer:	MARK ADER	**Sample Number:**	96203162
Account Code:	96T10PTFA10Q6LA00	**Type:**	Reg sample
Station Description:			

FASP

Parameter : Volatiles
Method : FASP-037
Prep Method: NONE

Analytes			**Result**	**Units**	**Qlfr**
	630206	1,1,1,2-Tetrachloroethane	0.25	ug/L	U
	71556	1,1,1-Trichloroethane	0.25	ug/L	U
	79005	1,1,2-Trichloroethane	0.25	ug/L	U
	75343	1,1-Dichloroethane	0.25	ug/L	U
	75354	1,1-dichloroethene	0.25	ug/L	U
	107062	1,2-Dichloroethane	0.25	ug/L	U
	156592	cis-1,2-Dichloroethene	0.25	ug/L	U
	79345	Ethane, 1,1,2,2-tetrachl	2.5	ug/L	U
	79016	**Ethene, trichloro-**	**0.98**	**ug/L**	
	127184	Tetrachloroethene	0.25	ug/L	U
	156605	trans-1,2-Dichloroethene	0.25	ug/L	U
	75014	Vinyl Chloride	0.25	ug/L	UJ

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Project Code:	FSP-005A	**Collected:**	0:29
Project Name:	COEUR d'ALENE	**Matrix:**	Air
Project Officer:	MARK ADER	**Sample Number:**	96203163
Account Code:	96T10PTFA10Q6LA00	**Type:**	Reg sample
Station Description:			

			Result	Units	Qlfr
FASP					
Parameter	: Volatiles				
Method	: FASP-037				
Prep Method	: NONE				
Analytes	: 630206	1,1,1,2-Tetrachloroethane	0.10	ug/L	U
	71556	1,1,1-Trichloroethane	0.10	ug/L	U
	79005	1,1,2-Trichloroethane	0.10	ug/L	U
	75343	1,1-Dichloroethane	0.10	ug/L	U
	75354	1,1-dichloroethene	0.10	ug/L	U
	107062	1,2-Dichloroethane	0.10	ug/L	U
	156592	cis-1,2-Dichloroethene	0.10	ug/L	U
	79345	Ethane, 1,1,2,2-tetrachl	1.0	ug/L	U
	79016	**Ethene, trichloro-**	**6.26**	**ug/L**	
	127184	Tetrachloroethene	0.10	ug/L	U
	156605	trans-1,2-Dichloroethene	0.10	ug/L	U
	75014	Vinyl Chloride	0.10	ug/L	UJ

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Project Code:	FSP-005A	**Collected:**	0:32
Project Name:	COEUR d'ALENE	**Matrix:**	Air
Project Officer:	MARK ADER	**Sample Number:**	96203164
Account Code:	96T10PTFA10Q6LA00	**Type:**	Reg sample
Station Description:			

			Result	Units	Qlfr
FASP					
Parameter	: Volatiles				
Method	: FASP-037				
Prep Method	: NONE				
Analytes	: 630206	1,1,1,2-Tetrachloroethane	0.10	ug/L	U
	71556	1,1,1-Trichloroethane	0.10	ug/L	U
	79005	1,1,2-Trichloroethane	0.10	ug/L	U
	75343	1,1-Dichloroethane	0.10	ug/L	U
	75354	1,1-dichloroethene	0.10	ug/L	U
	107062	1,2-Dichloroethane	0.10	ug/L	U
	156592	cis-1,2-Dichloroethene	0.10	ug/L	U
	79345	Ethane, 1,1,2,2-tetrachl	1.0	ug/L	U
	79016	**Ethene, trichloro-**	**1.95**	**ug/L**	
	127184	**Tetrachloroethene**	**0.13**	**ug/L**	
	156605	trans-1,2-Dichloroethene	0.10	ug/L	U
	75014	Vinyl Chloride	0.10	ug/L	UJ

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Project Code: FSP-005A
Project Name: COEUR d'ALENE
Project Officer: MARK ADER
Account Code: 96T10PTFA10Q6LA00
Station Description:

Collected: 0:33
Matrix: Air
Sample Number: 96203165
Type: Reg sample

FASP

Parameter : Volatiles
Method : FASP-037
Prep Method: NONE

Analytes		Result	Units	Qlfr
630206	1,1,1,2-Tetrachloroethane	0.10	ug/L	U
71556	1,1,1-Trichloroethane	0.10	ug/L	U
79005	1,1,2-Trichloroethane	0.10	ug/L	U
75343	1,1-Dichloroethane	0.10	ug/L	U
75354	1,1-dichloroethene	0.10	ug/L	U
107062	1,2-Dichloroethane	0.10	ug/L	U
156592	cis-1,2-Dichloroethene	0.10	ug/L	U
79345	Ethane, 1,1,2,2-tetrachl	1.0	ug/L	U
79016	**Ethene, trichloro-**	**2.66**	**ug/L**	
127184	**Tetrachloroethene**	**0.13**	**ug/L**	
156605	trans-1,2-Dichloroethene	0.10	ug/L	U
75014	Vinyl Chloride	0.10	ug/L	UJ

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Project Code:	FSP-005A	**Collected:**	0:35
Project Name:	COEUR d'ALENE	**Matrix:**	Air
Project Officer:	MARK ADER	**Sample Number:**	96203166
Account Code:	96T10PTFA10Q6LA00	**Type:**	Reg sample
Station Description:			

			Result	Units	Qlfr
FASP					
Parameter	: Volatiles				
Method	: FASP-037				
Prep Method	: NONE				
Analytes	: 630206	1,1,1,2-Tetrachloroethane	0.50	ug/L	U
	71556	1,1,1-Trichloroethane	0.50	ug/L	U
	79005	1,1,2-Trichloroethane	0.50	ug/L	U
	75343	1,1-Dichloroethane	0.50	ug/L	U
	75354	1,1-dichloroethene	0.50	ug/L	U
	107062	1,2-Dichloroethane	0.50	ug/L	U
	156592	cis-1,2-Dichloroethene	0.50	ug/L	U
	79345	Ethane, 1,1,2,2-tetrachl	5.0	ug/L	U
	79016	**Ethene, trichloro-**	**4.23**	**ug/L**	
	127184	**Tetrachloroethene**	**1.11**	**ug/L**	
	156605	trans-1,2-Dichloroethene	0.50	ug/L	U
	75014	Vinyl Chloride	0.50	ug/L	UJ

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Project Code:	FSP-005A	**Collected:**	0:39
Project Name:	COEUR d'ALENE	**Matrix:**	Air
Project Officer:	MARK ADER	**Sample Number:**	96203167
Account Code:	96T10PTFA10Q6LA00	**Type:**	Reg sample
Station Description:			

			Result	Units	Qlfr
FASP					
Parameter	: Volatiles				
Method	: FASP-037				
Prep Method	: NONE				
Analytes	: 630206	1,1,1,2-Tetrachloroethane	0.10	ug/L	U
	71556	1,1,1-Trichloroethane	0.10	ug/L	U
	79005	1,1,2-Trichloroethane	0.10	ug/L	U
	75343	1,1-Dichloroethane	0.10	ug/L	U
	75354	1,1-dichloroethene	0.10	ug/L	U
	107062	1,2-Dichloroethane	0.10	ug/L	U
	156592	cis-1,2-Dichloroethene	0.10	ug/L	U
	79345	Ethane, 1,1,2,2-tetrachl	1.0	ug/L	U
	79016	Ethene, trichloro-	0.10	ug/L	U
	127184	Tetrachloroethene	0.10	ug/L	U
	156605	trans-1,2-Dichloroethene	0.10	ug/L	U
	75014	Vinyl Chloride	0.10	ug/L	UJ

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Project Code:	FSP-005A	**Collected:**	0:44
Project Name:	COEUR d'ALENE	**Matrix:**	Air
Project Officer:	MARK ADER	**Sample Number:**	96203168
Account Code:	96T10PTFA10Q6LA00	**Type:**	Reg sample
Station Description:			

FASP

Parameter : Volatiles
Method : FASP-037
Prep Method: NONE

Analytes		Result	Units	Qlfr
630206	1,1,1,2-Tetrachloroethane	1.00	ug/L	U
71556	1,1,1-Trichloroethane	1.00	ug/L	U
79005	1,1,2-Trichloroethane	1.00	ug/L	U
75343	1,1-Dichloroethane	1.00	ug/L	U
75354	1,1-dichloroethene	1.00	ug/L	U
107062	1,2-Dichloroethane	1.00	ug/L	U
156592	cis-1,2-Dichloroethene	1.00	ug/L	U
79345	Ethane, 1,1,2,2-tetrachl	10	ug/L	U
79016	**Ethene, trichloro-**	**8.62**	**ug/L**	
127184	Tetrachloroethene	1.00	ug/L	U
156605	trans-1,2-Dichloroethene	1.00	ug/L	U
75014	Vinyl Chloride	1.00	ug/L	UJ

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Project Code: FSP-005A
Project Name: COEUR d'ALENE
Project Officer: MARK ADER
Account Code: 96T10PTFA10Q6LA00
Station Description:

Collected: 0:45
Matrix: Air
Sample Number: 96203169
Type: Reg sample

FASP

Parameter : Volatiles
Method : FASP-037
Prep Method: NONE

Analytes		Result	Units	Qlfr
630206	1,1,1,2-Tetrachloroethane	1.00	ug/L	U
71556	1,1,1-Trichloroethane	1.00	ug/L	U
79005	1,1,2-Trichloroethane	1.00	ug/L	U
75343	1,1-Dichloroethane	1.00	ug/L	U
75354	1,1-dichloroethene	1.00	ug/L	U
107062	1,2-Dichloroethane	1.00	ug/L	U
156592	cis-1,2-Dichloroethene	1.00	ug/L	U
79345	Ethane, 1,1,2,2-tetrachl	10	ug/L	U
79016	**Ethene, trichloro-**	**26.4**	**ug/L**	
127184	**Tetrachloroethene**	**1.20**	**ug/L**	
156605	trans-1,2-Dichloroethene	1.00	ug/L	U
75014	Vinyl Chloride	1.00	ug/L	UJ

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Project Code:	FSP-005A	**Collected:**	0:26
Project Name:	COEUR d'ALENE	**Matrix:**	Air
Project Officer:	MARK ADER	**Sample Number:**	96213800
Account Code:	96T10PTFA10Q6LA00	**Type:**	Reg sample
Station Description:			

FASP

Parameter : Volatiles
Method : FASP-037
Prep Method: NONE

Analytes		Result	Units	Qlfr
630206	1,1,1,2-Tetrachloroethane	1.00	ug/L	U
71556	1,1,1-Trichloroethane	1.00	ug/L	U
79005	1,1,2-Trichloroethane	1.00	ug/L	U
75343	1,1-Dichloroethane	1.00	ug/L	U
75354	1,1-dichloroethene	1.00	ug/L	U
107062	1,2-Dichloroethane	1.00	ug/L	U
156592	cis-1,2-Dichloroethene	1.00	ug/L	U
79345	Ethane, 1,1,2,2-tetrachl	10	ug/L	U
79016	**Ethene, trichloro-**	**27.2**	**ug/L**	
127184	**Tetrachloroethene**	**1.08**	**ug/L**	
156605	trans-1,2-Dichloroethene	1.00	ug/L	U
75014	Vinyl Chloride	1.00	ug/L	UJ

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Project Code: FSP-005A
Project Name: COEUR d'ALENE
Project Officer: MARK ADER
Account Code: 96T10PTFA10Q6LA00
Station Description:

Collected: 0:27
Matrix: Solid
Sample Number: 96213801
Type: Reg sample

FASP

Parameter : Volatiles
Method : FASP-037
Prep Method: NONE

Analytes		Result	Units	Qlfr
630206	1,1,1,2-Tetrachloroethane	1.00	ug/kg	U
71556	1,1,1-Trichloroethane	1.00	ug/kg	U
79005	1,1,2-Trichloroethane	1.00	ug/kg	U
75343	1,1-Dichloroethane	1.00	ug/kg	U
75354	1,1-dichloroethene	1.00	ug/kg	U
107062	1,2-Dichloroethane	1.00	ug/kg	U
156592	cis-1,2-Dichloroethene	1.00	ug/kg	U
79345	Ethane, 1,1,2,2-tetrachl	10	ug/kg	U
79016	Ethene, trichloro-	1.00	ug/kg	U
127184	Tetrachloroethene	1.00	ug/kg	U
156605	trans-1,2-Dichloroethene	1.00	ug/kg	U
75014	Vinyl Chloride	1.00	ug/kg	U

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Project Code:	FSP-005A	**Collected:**	0:27
Project Name:	COEUR d'ALENE	**Matrix:**	Solid
Project Officer:	MARK ADER	**Sample Number:**	96213801
Account Code:	96T10PTFA10Q6LA00	**Type:**	Matrix Spike
Station Description:			

FASP

Parameter : Volatiles
Method :
Prep Method:

Analytes		Result	Units	Qlfr
630206	1,1,1,2-Tetrachloroethane	94.0	%Rec	
71556	1,1,1-Trichloroethane	99.0	%Rec	
79005	1,1,2-Trichloroethane	90.3	%Rec	
75343	1,1-Dichloroethane	86.2	%Rec	
75354	1,1-dichloroethene	83.9	%Rec	
107062	1,2-Dichloroethane	102	%Rec	
156592	cis-1,2-Dichloroethene	94.1	%Rec	
79345	Ethane, 1,1,2,2-tetrachl	71.9	%Rec	
79016	Ethene, trichloro-	85.5	%Rec	
127184	Tetrachloroethene	90.8	%Rec	
156605	trans-1,2-Dichloroethene	126	%Rec	J
75014	Vinyl Chloride	72.0	%Rec	

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Project Code: FSP-005A
Project Name: COEUR d'ALENE
Project Officer: MARK ADER
Account Code: 96T10PTFA10Q6LA00
Station Description:

Collected: 0:27
Matrix: Solid
Sample Number: 96213801
Type: Matrix Spike Dupl

			Result	Units	Qlfr
FASP					
Parameter :	Volatiles				
Method :					
Prep Method:					
Analytes :	630206	1,1,1,2-Tetrachloroethane	84.7	%Rec	
	71556	1,1,1-Trichloroethane	84.2	%Rec	
	79005	1,1,2-Trichloroethane	91.3	%Rec	
	75343	1,1-Dichloroethane	76.8	%Rec	
	75354	1,1-dichloroethene	81.1	%Rec	
	107062	1,2-Dichloroethane	93.0	%Rec	
	156592	cis-1,2-Dichloroethene	85.3	%Rec	
	79345	Ethane, 1,1,2,2-tetrachl	105	%Rec	
	79016	Ethene, trichloro-	73.0	%Rec	
	127184	Tetrachloroethene	80.1	%Rec	
	156605	trans-1,2-Dichloroethene	80.2	%Rec	J
	75014	Vinyl Chloride	73.4	%Rec	

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Project Code:	FSP-005A	**Collected:**	0:29
Project Name:	COEUR d'ALENE	**Matrix:**	Air
Project Officer:	MARK ADER	**Sample Number:**	96213802
Account Code:	96T10PTFA10Q6LA00	**Type:**	Reg sample
Station Description:			

FASP

Parameter : Volatiles
Method : FASP-037
Prep Method: NONE

Analytes		Result	Units	Qlfr
630206	1,1,1,2-Tetrachloroethane	1.00	ug/L	U
71556	1,1,1-Trichloroethane	1.00	ug/L	U
79005	1,1,2-Trichloroethane	1.00	ug/L	U
75343	1,1-Dichloroethane	1.00	ug/L	U
75354	1,1-dichloroethene	1.00	ug/L	U
107062	1,2-Dichloroethane	1.00	ug/L	U
156592	cis-1,2-Dichloroethene	1.00	ug/L	U
79345	Ethane, 1,1,2,2-tetrachl	10	ug/L	U
79016	**Ethene, trichloro-**	**18.4**	**ug/L**	
127184	**Tetrachloroethene**	**1.16**	**ug/L**	
156605	trans-1,2-Dichloroethene	1.00	ug/L	U
75014	Vinyl Chloride	1.00	ug/L	UJ

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Project Code: FSP-005A
Project Name: COEUR d'ALENE
Project Officer: MARK ADER
Account Code: 96T10PTFA10Q6LA00
Station Description:

Collected: 0:31
Matrix: Air
Sample Number: 96213803
Type: Reg sample

FASP

Parameter : Volatiles
Method : FASP-037
Prep Method: NONE

Analytes		Result	Units	Qlfr
630206	1,1,1,2-Tetrachloroethane	5.00	ug/L	U
71556	1,1,1-Trichloroethane	5.00	ug/L	U
79005	1,1,2-Trichloroethane	5.00	ug/L	U
75343	1,1-Dichloroethane	5.00	ug/L	U
75354	1,1-dichloroethene	5.00	ug/L	U
107062	1,2-Dichloroethane	5.00	ug/L	U
156592	cis-1,2-Dichloroethene	5.00	ug/L	U
79345	Ethane, 1,1,2,2-tetrachl	50	ug/L	U
79016	**Ethene, trichloro-**	**12.9**	**ug/L**	
127184	**Tetrachloroethene**	**5.99**	**ug/L**	
156605	trans-1,2-Dichloroethene	5.00	ug/L	U
75014	Vinyl Chloride	5.00	ug/L	UJ

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Project Code:	FSP-005A	**Collected:**	0:32
Project Name:	COEUR d'ALENE	**Matrix:**	Solid
Project Officer:	MARK ADER	**Sample Number:**	96213804
Account Code:	96T10PTFA10Q6LA00	**Type:**	Reg sample
Station Description:			

			Result	Units	Qlfr
FASP					
Parameter	: Volatiles				
Method	: FASP-037				
Prep Method	: NONE				
Analytes	: 630206	1,1,1,2-Tetrachloroethane	1.00	ug/kg	U
	71556	1,1,1-Trichloroethane	1.00	ug/kg	U
	79005	1,1,2-Trichloroethane	1.00	ug/kg	U
	75343	1,1-Dichloroethane	1.00	ug/kg	U
	75354	1,1-dichloroethene	1.00	ug/kg	U
	107062	1,2-Dichloroethane	1.00	ug/kg	U
	156592	cis-1,2-Dichloroethene	1.00	ug/kg	U
	79345	Ethane, 1,1,2,2-tetrachl	10	ug/kg	U
	79016	Ethene, trichloro-	1.00	ug/kg	U
	127184	Tetrachloroethene	1.00	ug/kg	U
	156605	trans-1,2-Dichloroethene	1.00	ug/kg	U
	75014	Vinyl Chloride	1.00	ug/kg	U

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Project Code:	FSP-005A	**Collected:**	0:33
Project Name:	COEUR d'ALENE	**Matrix:**	Air
Project Officer:	MARK ADER	**Sample Number:**	96213805
Account Code:	96T10PTFA10Q6LA00	**Type:**	Reg sample
Station Description:			

FASP

Parameter : Volatiles
Method : FASP-037
Prep Method: NONE

Analytes		Result	Units	Qlfr
630206	1,1,1,2-Tetrachloroethane	1.00	ug/L	U
71556	1,1,1-Trichloroethane	1.00	ug/L	U
79005	1,1,2-Trichloroethane	1.00	ug/L	U
75343	1,1-Dichloroethane	1.00	ug/L	U
75354	1,1-dichloroethene	1.00	ug/L	U
107062	1,2-Dichloroethane	1.00	ug/L	U
156592	cis-1,2-Dichloroethene	1.00	ug/L	U
79345	Ethane, 1,1,2,2-tetrachl	10	ug/L	U
79016	**Ethene, trichloro-**	**22.0**	**ug/L**	
127184	**Tetrachloroethene**	**1.37**	**ug/L**	
156605	trans-1,2-Dichloroethene	1.00	ug/L	U
75014	Vinyl Chloride	1.00	ug/L	UJ

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Project Code:	FSP-005A	**Collected:**	0:35
Project Name:	COEUR d'ALENE	**Matrix:**	Solid
Project Officer:	MARK ADER	**Sample Number:**	96213806
Account Code:	96T10PTFA10Q6LA00	**Type:**	Reg sample
Station Description:			

FASP

Parameter : Volatiles
Method : FASP-037
Prep Method: NONE

Analytes		Result	Units	Qlfr
630206	1,1,1,2-Tetrachloroethane	1.00	ug/kg	U
71556	1,1,1-Trichloroethane	1.00	ug/kg	U
79005	1,1,2-Trichloroethane	1.00	ug/kg	U
75343	1,1-Dichloroethane	1.00	ug/kg	U
75354	1,1-dichloroethene	1.00	ug/kg	U
107062	1,2-Dichloroethane	1.00	ug/kg	U
156592	cis-1,2-Dichloroethene	1.00	ug/kg	U
79345	Ethane, 1,1,2,2-tetrachl	10	ug/kg	U
79016	Ethene, trichloro-	1.00	ug/kg	U
127184	Tetrachloroethene	1.00	ug/kg	U
156605	trans-1,2-Dichloroethene	1.00	ug/kg	U
75014	Vinyl Chloride	1.00	ug/kg	U

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Project Code:	FSP-005A	**Collected:**	0:36
Project Name:	COEUR d'ALENE	**Matrix:**	Solid
Project Officer:	MARK ADER	**Sample Number:**	96213807
Account Code:	96T10PTFA10Q6LA00	**Type:**	Reg sample
Station Description:			

FASP

Parameter : Volatiles
Method : FASP-037
Prep Method: NONE

Analytes		Result	Units	Qlfr
630206	1,1,1,2-Tetrachloroethane	1.00	ug/kg	U
71556	1,1,1-Trichloroethane	1.00	ug/kg	U
79005	1,1,2-Trichloroethane	1.00	ug/kg	U
75343	1,1-Dichloroethane	1.00	ug/kg	U
75354	1,1-dichloroethene	1.00	ug/kg	U
107062	1,2-Dichloroethane	1.00	ug/kg	U
156592	cis-1,2-Dichloroethene	1.00	ug/kg	U
79345	Ethane, 1,1,2,2-tetrachl	10	ug/kg	U
79016	Ethene, trichloro-	1.00	ug/kg	U
127184	Tetrachloroethene	1.00	ug/kg	U
156605	trans-1,2-Dichloroethene	1.00	ug/kg	U
75014	Vinyl Chloride	1.00	ug/kg	U

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Project Code:	FSP-005A	**Collected:**	0:44
Project Name:	COEUR d'ALENE	**Matrix:**	Air
Project Officer:	MARK ADER	**Sample Number:**	96213808
Account Code:	96T10PTFA10Q6LA00	**Type:**	Reg sample
Station Description:			

			Result	Units	Qlfr
FASP					
Parameter	: Volatiles				
Method	: FASP-038				
Prep Method	: 00	unspecified			
Analytes	: 79016	Ethene, trichloro-	0.004	ug/L	U
	127184	**Tetrachloroethene**	**0.003**	**ug/L**	

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Project Code:	FSP-005A	**Collected:**	0:45
Project Name:	COEUR d'ALENE	**Matrix:**	Air
Project Officer:	MARK ADER	**Sample Number:**	96213809
Account Code:	96T10PTFA10Q6LA00	**Type:**	Reg sample
Station Description:			

			Result	Units	Qlfr
FASP					
Parameter	: Volatiles				
Method	: FASP-038				
Prep Method	: 00	unspecified			
Analytes	: 79016	Ethene, trichloro-	0.04	ug/L	U
	127184	**Tetrachloroethene**	**0.1135**	**ug/L**	

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Project Code:	FSP-005A	**Collected:**	0:48
Project Name:	COEUR d'ALENE	**Matrix:**	Air
Project Officer:	MARK ADER	**Sample Number:**	96213810
Account Code:	96T10PTFA10Q6LA00	**Type:**	Reg sample
Station Description:			

			Result	Units	Qlfr
FASP					
Parameter	: Volatiles				
Method	: FASP-038				
Prep Method	: 00	unspecified			
Analytes	: 79016	Ethene, trichloro-	0.04	ug/L	U
	127184	**Tetrachloroethene**	**0.0025**	**ug/L**	

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Project Code:	FSP-005A	**Collected:**	0:50
Project Name:	COEUR d'ALENE	**Matrix:**	Air
Project Officer:	MARK ADER	**Sample Number:**	96213811
Account Code:	96T10PTFA10Q6LA00	**Type:**	Reg sample
Station Description:			

			Result	Units	Qlfr
FASP					
Parameter	: Volatiles				
Method	: FASP-038				
Prep Method	: 00	unspecified			
Analytes	: **79016**	**Ethene, trichloro-**	**0.0087**	**ug/L**	
	127184	**Tetrachloroethene**	**0.0026**	**ug/L**	

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Project Code:	FSP-005A	**Collected:**	0:54
Project Name:	COEUR d'ALENE	**Matrix:**	Air
Project Officer:	MARK ADER	**Sample Number:**	96213812
Account Code:	96T10PTFA10Q6LA00	**Type:**	Reg sample
Station Description:			

			Result	Units	Qlfr
FASP					
Parameter	: Volatiles				
Method	: FASP-038				
Prep Method	: 00	unspecified			
Analytes	: **79016**	**Ethene, trichloro-**	**0.04**	**ug/L**	**J**
	127184	**Tetrachloroethene**	**0.004**	**ug/L**	

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Project Code:	FSP-005A	**Collected:**	0:25
Project Name:	COEUR d'ALENE	**Matrix:**	Solid
Project Officer:	MARK ADER	**Sample Number:**	96213813
Account Code:	96T10PTFA10Q6LA00	**Type:**	Reg sample
Station Description:			

FASP

Parameter : Volatiles
Method : FASP-037
Prep Method: 00 unspecified

Analytes		Result	Units	Qlfr
630206	1,1,1,2-Tetrachloroethane	1.00	ug/Kg	U
71556	1,1,1-Trichloroethane	1.00	ug/Kg	U
79005	1,1,2-Trichloroethane	1.00	ug/Kg	U
75343	1,1-Dichloroethane	1.00	ug/Kg	U
75354	1,1-dichloroethene	1.00	ug/Kg	U
107062	1,2-Dichloroethane	1.00	ug/Kg	U
156592	cis-1,2-Dichloroethene	1.00	ug/Kg	U
79345	Ethane, 1,1,2,2-tetrachl	1.00	ug/Kg	U
79016	Ethene, trichloro-	1.00	ug/Kg	U
127184	Tetrachloroethene	1.00	ug/Kg	U
156605	trans-1,2-Dichloroethene	1.00	ug/Kg	U
75014	Vinyl Chloride	1.00	ug/Kg	U

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Project Code:	FSP-005A	**Collected:**	5/21/96 8:00
Project Name:	COEUR d'ALENE	**Matrix:**	Solid
Project Officer:	MARK ADER	**Sample Number:**	96213814
Account Code:	96T10PTFA10Q6LA00	**Type:**	Reg sample
Station Description:			

			Result	Units	Qlfr
FASP					
Parameter	: Volatiles				
Method	:				
Prep Method	:				
Analytes	: 630206	1,1,1,2-Tetrachloroethane	0.96	ug/Kg	U
	71556	1,1,1-Trichloroethane	0.96	ug/Kg	U
	79005	1,1,2-Trichloroethane	0.96	ug/Kg	U
	75343	1,1-Dichloroethane	0.96	ug/Kg	U
	75354	1,1-dichloroethene	0.96	ug/Kg	U
	107062	1,2-Dichloroethane	0.96	ug/Kg	U
	156592	cis-1,2-Dichloroethene	0.96	ug/Kg	U
	79345	Ethane, 1,1,2,2-tetrachl	0.96	ug/Kg	U
	79016	Ethene, trichloro-	0.96	ug/Kg	U
	127184	Tetrachloroethene	0.96	ug/Kg	U
	156605	trans-1,2-Dichloroethene	0.96	ug/Kg	U
	75014	Vinyl Chloride	0.96	ug/Kg	U

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Project Code: FSP-005A
Project Name: COEUR d'ALENE
Project Officer: MARK ADER
Account Code: 96T10PTFA10Q6LA00
Station Description:

Collected: 5/21/96 8:25
Matrix: Solid
Sample Number: 96213815
Type: Reg sample

FASP

Parameter : Volatiles
Method :
Prep Method:

Analytes		Result	Units	Qlfr
630206	1,1,1,2-Tetrachloroethane	0.99	ug/Kg	U
71556	1,1,1-Trichloroethane	0.99	ug/Kg	U
79005	1,1,2-Trichloroethane	0.99	ug/Kg	U
75343	1,1-Dichloroethane	0.99	ug/Kg	U
75354	1,1-dichloroethene	0.99	ug/Kg	U
107062	1,2-Dichloroethane	0.99	ug/Kg	U
156592	cis-1,2-Dichloroethene	0.99	ug/Kg	U
79345	Ethane, 1,1,2,2-tetrachl	0.99	ug/Kg	U
79016	Ethene, trichloro-	0.99	ug/Kg	U
127184	Tetrachloroethene	0.99	ug/Kg	U
156605	trans-1,2-Dichloroethene	0.99	ug/Kg	U
75014	Vinyl Chloride	0.99	ug/Kg	U

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Project Code:	FSP-005A	**Collected:**	5/21/96 8:59
Project Name:	COEUR d'ALENE	**Matrix:**	Solid
Project Officer:	MARK ADER	**Sample Number:**	96213816
Account Code:	96T10PTFA10Q6LA00	**Type:**	Reg sample
Station Description:			

FASP

Parameter : Volatiles
Method :
Prep Method:

Analytes			**Result**	**Units**	**Qlfr**
	630206	1,1,1,2-Tetrachloroethane	1.0	ug/Kg	U
	71556	1,1,1-Trichloroethane	1.0	ug/Kg	U
	79005	1,1,2-Trichloroethane	1.0	ug/Kg	U
	75343	1,1-Dichloroethane	1.0	ug/Kg	U
	75354	1,1-dichloroethene	1.0	ug/Kg	U
	107062	1,2-Dichloroethane	1.0	ug/Kg	U
	156592	cis-1,2-Dichloroethene	1.0	ug/Kg	U
	79345	Ethane, 1,1,2,2-tetrachl	1.0	ug/Kg	U
	79016	Ethene, trichloro-	1.0	ug/Kg	U
	127184	Tetrachloroethene	1.0	ug/Kg	U
	156605	trans-1,2-Dichloroethene	1.0	ug/Kg	U
	75014	Vinyl Chloride	1.0	ug/Kg	U

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Project Code:	FSP-005A	**Collected:**	5/21/96 9:25
Project Name:	COEUR d'ALENE	**Matrix:**	Solid
Project Officer:	MARK ADER	**Sample Number:**	96213817
Account Code:	96T10PTFA10Q6LA00	**Type:**	Reg sample
Station Description:			

			Result	Units	Qlfr
FASP					
Parameter	: Volatiles				
Method	:				
Prep Method	:				
Analytes	: 630206	1,1,1,2-Tetrachloroethane	0.98	ug/Kg	U
	71556	1,1,1-Trichloroethane	0.98	ug/Kg	U
	79005	1,1,2-Trichloroethane	0.98	ug/Kg	U
	75343	1,1-Dichloroethane	0.98	ug/Kg	U
	75354	1,1-dichloroethene	0.98	ug/Kg	U
	107062	1,2-Dichloroethane	0.98	ug/Kg	U
	156592	cis-1,2-Dichloroethene	0.98	ug/Kg	U
	79345	Ethane, 1,1,2,2-tetrachl	0.98	ug/Kg	U
	79016	Ethene, trichloro-	0.98	ug/Kg	U
	127184	Tetrachloroethene	0.98	ug/Kg	U
	156605	trans-1,2-Dichloroethene	0.98	ug/Kg	U
	75014	Vinyl Chloride	0.98	ug/Kg	U

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Project Code:	FSP-005A	**Collected:**	5/21/96 10:01
Project Name:	COEUR d'ALENE	**Matrix:**	Solid
Project Officer:	MARK ADER	**Sample Number:**	96213818
Account Code:	96T10PTFA10Q6LA00	**Type:**	Reg sample
Station Description:			

			Result	Units	Qlfr
FASP					
Parameter	: Volatiles				
Method	:				
Prep Method	:				
Analytes	: 630206	1,1,1,2-Tetrachloroethane	0.98	ug/Kg	U
	71556	1,1,1-Trichloroethane	0.98	ug/Kg	U
	79005	1,1,2-Trichloroethane	0.98	ug/Kg	U
	75343	1,1-Dichloroethane	0.98	ug/Kg	U
	75354	1,1-dichloroethene	0.98	ug/Kg	U
	107062	1,2-Dichloroethane	0.98	ug/Kg	U
	156592	cis-1,2-Dichloroethene	0.98	ug/Kg	U
	79345	Ethane, 1,1,2,2-tetrachl	0.98	ug/Kg	U
	79016	Ethene, trichloro-	0.98	ug/Kg	U
	127184	Tetrachloroethene	0.98	ug/Kg	U
	156605	trans-1,2-Dichloroethene	0.98	ug/Kg	U
	75014	Vinyl Chloride	0.98	ug/Kg	U

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Project Code:	FSP-005A	**Collected:**	5/21/96 10:26
Project Name:	COEUR d'ALENE	**Matrix:**	Solid
Project Officer:	MARK ADER	**Sample Number:**	96213819
Account Code:	96T10PTFA10Q6LA00	**Type:**	Reg sample
Station Description:			

FASP

Parameter : Volatiles
Method :
Prep Method:

Analytes			Result	Units	Qlfr
	630206	1,1,1,2-Tetrachloroethane	1.0	ug/Kg	UJ
	71556	1,1,1-Trichloroethane	1.0	ug/Kg	UJ
	79005	1,1,2-Trichloroethane	1.0	ug/Kg	UJ
	75343	1,1-Dichloroethane	1.0	ug/Kg	UJ
	75354	1,1-dichloroethene	1.0	ug/Kg	UJ
	107062	1,2-Dichloroethane	1.0	ug/Kg	UJ
	156592	cis-1,2-Dichloroethene	1.0	ug/Kg	UJ
	79345	Ethane, 1,1,2,2-tetrachl	1.0	ug/Kg	UJ
	79016	Ethene, trichloro-	1.0	ug/Kg	UJ
	127184	Tetrachloroethene	1.0	ug/Kg	UJ
	156605	trans-1,2-Dichloroethene	1.0	ug/Kg	UJ
	75014	Vinyl Chloride	1.0	ug/Kg	UJ

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Project Code: FSP-005A
Project Name: COEUR d'ALENE
Project Officer: MARK ADER
Account Code: 96T10PTFA10Q6LA00
Station Description:

Collected:
Matrix: Solid
Sample Number: 96213819
Type: Matrix Spike

FASP

Parameter : Volatiles
Method :
Prep Method:

Analytes			Result	Units	Qlfr
	630206	1,1,1,2-Tetrachloroethane	81.60	%Rec	
	71556	1,1,1-Trichloroethane	76.76	%Rec	
	79005	1,1,2-Trichloroethane	97.36	%Rec	
	75343	1,1-Dichloroethane	83.12	%Rec	
	75354	1,1-dichloroethene	79.33	%Rec	
	107062	1,2-Dichloroethane	92.22	%Rec	
	156592	cis-1,2-Dichloroethene	78.89	%Rec	
	79345	Ethane, 1,1,2,2-tetrachl	110.67	%Rec	
	79016	Ethene, trichloro-	82.27	%Rec	
	127184	Tetrachloroethene	79.93	%Rec	
	156605	trans-1,2-Dichloroethene	78.51	%Rec	
	75014	Vinyl Chloride	66.29	%Rec	J

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Project Code: FSP-005A
Project Name: COEUR d'ALENE
Project Officer: MARK ADER
Account Code: 96T10PTFA10Q6LA00
Station Description:

Collected: 5/21/96 11:05
Matrix: Solid
Sample Number: 96213820
Type: Reg sample

			Result	Units	Qlfr
FASP					
Parameter :	Volatiles				
Method :					
Prep Method:					
Analytes :	630206	1,1,1,2-Tetrachloroethane	0.96	ug/Kg	U
	71556	1,1,1-Trichloroethane	0.96	ug/Kg	U
	79005	1,1,2-Trichloroethane	0.96	ug/Kg	U
	75343	1,1-Dichloroethane	0.96	ug/Kg	U
	75354	1,1-dichloroethene	0.96	ug/Kg	U
	107062	1,2-Dichloroethane	0.96	ug/Kg	U
	156592	cis-1,2-Dichloroethene	0.96	ug/Kg	U
	79345	Ethane, 1,1,2,2-tetrachl	0.96	ug/Kg	U
	79016	Ethene, trichloro-	0.96	ug/Kg	U
	127184	Tetrachloroethene	0.96	ug/Kg	U
	156605	trans-1,2-Dichloroethene	0.96	ug/Kg	U
	75014	Vinyl Chloride	0.96	ug/Kg	U

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Project Code:	FSP-005A	**Collected:**	5/21/96 14:07
Project Name:	COEUR d'ALENE	**Matrix:**	Air
Project Officer:	MARK ADER	**Sample Number:**	96213821
Account Code:	96T10PTFA10Q6LA00	**Type:**	Reg sample
Station Description:			

			Result	Units	Qlfr
FASP					
Parameter	: Volatiles				
Method	: FASP-038				
Prep Method	: 00	unspecified			
Analytes	: 79016	Ethene, trichloro-	0.006	ug/L	U
	127184	Tetrachloroethene	0.006	ug/L	U

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Project Code:	FSP-005A	**Collected:**	5/21/96 14:43
Project Name:	COEUR d'ALENE	**Matrix:**	Air
Project Officer:	MARK ADER	**Sample Number:**	96213822
Account Code:	96T10PTFA10Q6LA00	**Type:**	Reg sample
Station Description:			

			Result	Units	Qlfr
FASP					
Parameter	: Volatiles				
Method	: FASP-038				
Prep Method	: 00	unspecified			
Analytes	: **79016**	**Ethene, trichloro-**	**1.21**	**ug/L**	**J**
	127184	**Tetrachloroethene**	**0.006**	**ug/L**	

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Project Code:	FSP-005A	**Collected:**	5/21/96 0:00
Project Name:	COEUR d'ALENE	**Matrix:**	Air
Project Officer:	MARK ADER	**Sample Number:**	96213823
Account Code:	96T10PTFA10Q6LA00	**Type:**	Reg sample
Station Description:			

			Result	Units	Qlfr
FASP					
Parameter	: Volatiles				
Method	: FASP-038				
Prep Method	: 00	unspecified			
Analytes	: **79016**	**Ethene, trichloro-**	**1.06**	**ug/L**	**J**
	127184	Tetrachloroethene	0.30	ug/L	U

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Project Code:	FSP-005A	**Collected:**	5/21/96 16:44
Project Name:	COEUR d'ALENE	**Matrix:**	Air
Project Officer:	MARK ADER	**Sample Number:**	96213824
Account Code:	96T10PTFA10Q6LA00	**Type:**	Reg sample
Station Description:			

			Result	Units	Qlfr
FASP					
Parameter	: Volatiles				
Method	: FASP-038				
Prep Method	: 00	unspecified			
Analytes	: **79016**	**Ethene, trichloro-**	**0.006**	**ug/L**	
	127184	**Tetrachloroethene**	**0.006**	**ug/L**	

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Project Code:	FSP-005A	**Collected:**	5/22/96 10:31
Project Name:	COEUR d'ALENE	**Matrix:**	Air
Project Officer:	MARK ADER	**Sample Number:**	96213825
Account Code:	96T10PTFA10Q6LA00	**Type:**	Reg sample
Station Description:	DE18GC12		

GCMS

Parameter : Volatiles
Method : 8260-M
Prep Method:

Analytes		Result	Units	Qlfr
513882	1,1-Dichloropropanone			REJ
630206	1,1,1,2-Tetrachloroethane	1.0	ug/L	U
71556	1,1,1-Trichloroethane	1.0	ug/L	U
79005	1,1,2-Trichloroethane	1.0	ug/L	U
75343	1,1-Dichloroethane	1.0	ug/L	U
75354	1,1-dichloroethene	1.0	ug/L	U
563586	1,1-Dichloropropene	1.0	ug/L	U
87616	1,2,3-Trichlorobenzene	2.6	ug/L	UJ
96184	1,2,3-Trichloropropane	1.0	ug/L	U
120821	1,2,4-Trichlorobenzene	2.6	ug/L	U
96128	1,2-Dibromo-3-chloropropane	1.0	ug/L	U
106934	1,2-Dibromoethane	1.0	ug/L	U
95501	1,2-Dichlorobenzene	1.0	ug/L	U
107062	1,2-Dichloroethane	1.0	ug/L	U
78875	1,2-Dichloropropane	1.0	ug/L	U
541731	1,3-Dichlorobenzene	1.0	ug/L	U
142289	1,3-Dichloropropane	1.0	ug/L	U
106467	1,4-Dichlorobenzene	1.0	ug/L	U
109693	1-Chlorobutane	1.0	ug/L	U
594207	2,2-Dichloropropane	1.0	ug/L	U
78933	2-Butanone	5.2	ug/L	U
95498	2-Chlorotoluene	1.0	ug/L	U
591786	2-Hexanone	2.1	ug/L	U
79469	2-Nitropropane	1.0	ug/L	U
108101	2-Pentanone, 4-methyl-	2.1	ug/L	U
106434	4-Chlorotoluene	1.0	ug/L	U
67641	Acetone	5.2	ug/L	U
107131	Acrylonitrile	2.6	ug/L	UJ
107051	Allyl Chloride	1.0	ug/L	U
71432	Benzene	1.0	ug/L	U
98828	Benzene, (1-methylethyl)	1.0	ug/L	U
95636	Benzene, 1,2,4-trimethyl	1.0	ug/L	U
95476	Benzene, 1,2-dimethyl-	1.0	ug/L	U
108678	Benzene, 1,3,5-trimethyl	1.0	ug/L	U
99876	Benzene, 1-methyl-4-(1-m	1.0	ug/L	U
100414	Benzene, ethyl-	1.0	ug/L	U

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			Result	Units	Qlfr
Analytes	: 108861	Bromobenzene	1.0	ug/L	U
	74975	Bromochloromethane	1.0	ug/L	U
	75274	Bromodichloromethane	1.0	ug/L	U
	75252	Bromoform	1.0	ug/L	U
	74839	Bromomethane	1.0	ug/L	U
	75150	Carbon Disulfide	2.1	ug/L	U
	56235	Carbon Tetrachloride	1.0	ug/L	U
	107142	Chloroacetonitrile	2.6	ug/L	UJ
	108907	Chlorobenzene	1.0	ug/L	U
	75003	Chloroethane	1.0	ug/L	U
	67663	Chloroform	1.0	ug/L	U
	74873	Chloromethane	1.0	ug/L	U
	156592	cis-1,2-Dichloroethene	1.0	ug/L	U
	10061015	Cis-1,3-Dichloropropene	1.1	ug/L	U
	124481	Dibromochloromethane	1.0	ug/L	U
	74953	Dibromomethane	1.0	ug/L	U
	75718	Dichlorodifluoromethane	1.0	ug/L	U
	60297	Diethyl ether	1.0	ug/L	U
	79345	Ethane, 1,1,2,2-tetrachl	1.0	ug/L	U
	79016	**Ethene, trichloro-**	**15.2**	**ug/L**	**J**
	97632	Ethylmethacrylate	1.0	ug/L	U
	76131	Freon 113	1.0	ug/L	U
	87683	Hexachlorobutadiene	2.6	ug/L	U
	67721	Hexachloroethane	1.0	ug/L	U
	126987	Methacrylonitrile	1.0	ug/L	U
	75092	Methane, dichloro-	1.0	ug/L	U
	96333	Methyl acrylate	1.0	ug/L	U
	74884	Methyl Iodide	1.0	ug/L	U
	80626	Methyl Methacrylate	1.0	ug/L	U
	*1330207	MP-Xylene	2.1	ug/L	U
	104518	n-Butylbenzene	1.0	ug/L	U
	103651	n-Propylbenzene	1.0	ug/L	U
	91203	Naphthalene	2.6	ug/L	UJ
	76017	Pentachloroethane	1.0	ug/L	U
	1634044	Propane, 2-methoxy-2-met	1.0	ug/L	U
	135988	sec-Butylbenzene	1.0	ug/L	U
	100425	Styrene	2.6	ug/L	U
	98066	Tert-butylbenzene	1.0	ug/L	U
	127184	**Tetrachloroethene**	**22.6**	**ug/L**	**J**
	109999	Tetrahydrofuran	1.0	ug/L	UJ
	108883	Toluene	1.0	ug/L	U
	156605	trans-1,2-Dichloroethene	1.0	ug/L	U
	10061026	Trans-1,3-Dichloropropene	0.98	ug/L	U
	110576	trans-1,4-Dichloro-2-butene	1.0	ug/L	U
	75694	Trichlorofluoromethane	1.0	ug/L	U
	75014	Vinyl Chloride	1.0	ug/L	U
	2199691	1,2-Dichlorobenzene-d4	98	%Rec	
	17060070	1,2-Dichloroethane-d4	93	%Rec	

96213825 Reg sample

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			Result	Units	Qlfr
Analytes	: 540363	Benzene, 1,4-difluoro-	101	%Rec	
	460004	p-Bromofluorobenzene	96	%Rec	
	2037265	Toluene-d8	101	%Rec	

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Project Code: FSP-005A
Project Name: COEUR d'ALENE
Project Officer: MARK ADER
Account Code: 96T10PTFA10Q6LA00
Station Description: DE19GC12

Collected: 5/22/96 10:30
Matrix: Air
Sample Number: 96213826
Type: Reg sample

GCMS

Parameter : Volatiles
Method : 8260-M
Prep Method:

Analytes		Result	Units	Qlfr
513882	1,1-Dichloropropanone			REJ
630206	1,1,1,2-Tetrachloroethane	1.1	ug/L	U
71556	1,1,1-Trichloroethane	1.1	ug/L	U
79005	1,1,2-Trichloroethane	1.1	ug/L	U
75343	1,1-Dichloroethane	1.1	ug/L	U
75354	1,1-dichloroethene	1.1	ug/L	U
563586	1,1-Dichloropropene	1.1	ug/L	U
87616	1,2,3-Trichlorobenzene	2.7	ug/L	UJ
96184	1,2,3-Trichloropropane	1.1	ug/L	U
120821	1,2,4-Trichlorobenzene	2.7	ug/L	U
96128	1,2-Dibromo-3-chloropropane	1.1	ug/L	U
106934	1,2-Dibromoethane	1.1	ug/L	U
95501	1,2-Dichlorobenzene	1.1	ug/L	U
107062	1,2-Dichloroethane	1.1	ug/L	U
78875	1,2-Dichloropropane	1.1	ug/L	U
541731	1,3-Dichlorobenzene	1.1	ug/L	U
142289	1,3-Dichloropropane	1.1	ug/L	U
106467	1,4-Dichlorobenzene	1.1	ug/L	U
109693	1-Chlorobutane	1.1	ug/L	U
594207	2,2-Dichloropropane	1.1	ug/L	U
78933	2-Butanone	5.5	ug/L	U
95498	2-Chlorotoluene	1.1	ug/L	U
591786	2-Hexanone	2.2	ug/L	U
79469	2-Nitropropane	1.1	ug/L	U
108101	2-Pentanone, 4-methyl-	2.2	ug/L	U
106434	4-Chlorotoluene	1.1	ug/L	U
67641	Acetone	5.5	ug/L	U
107131	Acrylonitrile	2.7	ug/L	UJ
107051	Allyl Chloride	1.1	ug/L	U
71432	Benzene	1.1	ug/L	U
98828	Benzene, (1-methylethyl)	1.1	ug/L	U
95636	Benzene, 1,2,4-trimethyl	1.1	ug/L	U
95476	Benzene, 1,2-dimethyl-	1.1	ug/L	U
108678	Benzene, 1,3,5-trimethyl	1.1	ug/L	U
99876	Benzene, 1-methyl-4-(1-m	1.1	ug/L	U
100414	Benzene, ethyl-	1.1	ug/L	U

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			Result	Units	Qlfr
Analytes	: 108861	Bromobenzene	1.1	ug/L	U
	74975	Bromochloromethane	1.1	ug/L	U
	75274	Bromodichloromethane	1.1	ug/L	U
	75252	Bromoform	1.1	ug/L	U
	74839	Bromomethane	1.1	ug/L	U
	75150	Carbon Disulfide	2.2	ug/L	U
	56235	Carbon Tetrachloride	1.1	ug/L	U
	107142	Chloroacetonitrile	2.7	ug/L	UJ
	108907	Chlorobenzene	1.1	ug/L	U
	75003	Chloroethane	1.1	ug/L	U
	67663	Chloroform	1.1	ug/L	U
	74873	Chloromethane	1.1	ug/L	U
	156592	cis-1,2-Dichloroethene	1.1	ug/L	U
	10061015	Cis-1,3-Dichloropropene	1.2	ug/L	U
	124481	Dibromochloromethane	1.1	ug/L	U
	74953	Dibromomethane	1.1	ug/L	U
	75718	Dichlorodifluoromethane	1.1	ug/L	U
	60297	Diethyl ether	1.1	ug/L	U
	79345	Ethane, 1,1,2,2-tetrachl	1.1	ug/L	U
	79016	**Ethene, trichloro-**	**12.6**	**ug/L**	
	97632	Ethylmethacrylate	1.1	ug/L	U
	76131	Freon 113	1.1	ug/L	U
	87683	Hexachlorobutadiene	2.7	ug/L	U
	67721	Hexachloroethane	1.1	ug/L	U
	126987	Methacrylonitrile	1.1	ug/L	U
	75092	Methane, dichloro-	1.1	ug/L	U
	96333	Methyl acrylate	1.1	ug/L	U
	74884	Methyl Iodide	1.1	ug/L	U
	80626	Methyl Methacrylate	1.1	ug/L	U
	*1330207	MP-Xylene	2.2	ug/L	U
	104518	n-Butylbenzene	1.1	ug/L	U
	103651	n-Propylbenzene	1.1	ug/L	U
	91203	Naphthalene	2.7	ug/L	UJ
	76017	Pentachloroethane	1.1	ug/L	U
	1634044	Propane, 2-methoxy-2-met	1.1	ug/L	U
	135988	sec-Butylbenzene	1.1	ug/L	U
	100425	Styrene	2.7	ug/L	U
	98066	Tert-butylbenzene	1.1	ug/L	U
	127184	**Tetrachloroethene**	**10.1**	**ug/L**	
	109999	Tetrahydrofuran	1.1	ug/L	UJ
	108883	Toluene	1.1	ug/L	U
	156605	trans-1,2-Dichloroethene	1.1	ug/L	U
	10061026	Trans-1,3-Dichloropropene	1.0	ug/L	U
	110576	trans-1,4-Dichloro-2-butene	1.1	ug/L	U
	75694	Trichlorofluoromethane	1.1	ug/L	U
	75014	Vinyl Chloride	1.1	ug/L	U
	2199691	1,2-Dichlorobenzene-d4	98	%Rec	
	17060070	1,2-Dichloroethane-d4	97	%Rec	

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			Result	Units	Qlfr
Analytes	: 540363	Benzene, 1,4-difluoro-	102	%Rec	
	460004	p-Bromofluorobenzene	96	%Rec	
	2037265	Toluene-d8	101	%Rec	

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Project Code:	FSP-005A	**Collected:**	0:33
Project Name:	COEUR d'ALENE	**Matrix:**	Air
Project Officer:	MARK ADER	**Sample Number:**	96213827
Account Code:	96T10PTFA10Q6LA00	**Type:**	Reg sample
Station Description:	DE20SB12		

GCMS

Parameter : Volatiles
Method : UNSPECIFI
Prep Method:

Analytes		Result	Units	Qlfr
630206	1,1,1,2-Tetrachloroethane	2.0	ug/Kg	UJ
71556	1,1,1-Trichloroethane	2.0	ug/Kg	UJ
79005	1,1,2-Trichloroethane	2.0	ug/Kg	UJ
75343	1,1-Dichloroethane	2.0	ug/Kg	UJ
75354	1,1-dichloroethene	2.0	ug/Kg	UJ
563586	1,1-Dichloropropene	2.0	ug/Kg	UJ
87616	1,2,3-Trichlorobenzene	10.0	ug/Kg	UJ
96184	1,2,3-Trichloropropane	4.0	ug/Kg	UJ
120821	1,2,4-Trichlorobenzene	4.0	ug/Kg	UJ
96128	1,2-Dibromo-3-chloropropane	4.0	ug/Kg	UJ
106934	1,2-Dibromoethane	2.0	ug/Kg	UJ
95501	1,2-Dichlorobenzene	4.0	ug/Kg	UJ
107062	1,2-Dichloroethane	2.0	ug/Kg	UJ
78875	1,2-Dichloropropane	2.0	ug/Kg	UJ
541731	1,3-Dichlorobenzene	4.0	ug/Kg	UJ
142289	1,3-Dichloropropane	2.0	ug/Kg	UJ
106467	1,4-Dichlorobenzene	4.0	ug/Kg	UJ
594207	2,2-Dichloropropane	4.0	ug/Kg	UJ
78933	2-Butanone	40.2	ug/Kg	UJ
95498	2-Chlorotoluene	2.0	ug/Kg	UJ
591786	2-Hexanone	20.1	ug/Kg	UJ
108101	2-Pentanone, 4-methyl-	8.0	ug/Kg	UJ
106434	4-Chlorotoluene	2.0	ug/Kg	UJ
67641	Acetone	40.2	ug/Kg	UJ
71432	Benzene	2.0	ug/Kg	UJ
98828	Benzene, (1-methylethyl)	2.0	ug/Kg	UJ
95636	Benzene, 1,2,4-trimethyl	4.0	ug/Kg	UJ
95476	Benzene, 1,2-dimethyl-	2.0	ug/Kg	UJ
108678	Benzene, 1,3,5-trimethyl	4.0	ug/Kg	UJ
99876	Benzene, 1-methyl-4-(1-m	4.0	ug/Kg	UJ
100414	Benzene, ethyl-	2.0	ug/Kg	UJ
108861	Bromobenzene	4.0	ug/Kg	UJ
74975	Bromochloromethane	2.0	ug/Kg	UJ
75274	Bromodichloromethane	2.0	ug/Kg	UJ
75252	Bromoform	4.0	ug/Kg	UJ
74839	Bromomethane	2.0	ug/Kg	UJ

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			Result	Units	Qlfr
Analytes	: 75150	Carbon Disulfide	8.0	ug/Kg	UJ
	56235	Carbon Tetrachloride	2.0	ug/Kg	UJ
	108907	Chlorobenzene	2.0	ug/Kg	UJ
	75003	Chloroethane	2.0	ug/Kg	UJ
	67663	Chloroform	2.0	ug/Kg	UJ
	74873	Chloromethane	2.0	ug/Kg	UJ
	156592	cis-1,2-Dichloroethene	2.0	ug/Kg	UJ
	10061015	Cis-1,3-Dichloropropene	2.1	ug/Kg	UJ
	124481	Dibromochloromethane	2.0	ug/Kg	UJ
	74953	Dibromomethane	2.0	ug/Kg	UJ
	75718	Dichlorodifluoromethane	2.0	ug/Kg	UJ
	79345	Ethane, 1,1,2,2-tetrachl	4.0	ug/Kg	UJ
	79016	**Ethene, trichloro-**	**0.48**	**ug/Kg**	**J**
	87683	**Hexachlorobutadiene**	**22.7**	**ug/Kg**	**J**
	75092	Methane, dichloro-	10.0	ug/Kg	UJ
	*1330207	MP-Xylene	4.0	ug/Kg	UJ
	104518	n-Butylbenzene	4.0	ug/Kg	UJ
	103651	n-Propylbenzene	2.0	ug/Kg	UJ
	91203	Naphthalene	10	ug/Kg	UJ
	135988	sec-Butylbenzene	2.0	ug/Kg	UJ
	100425	Styrene	2.0	ug/Kg	UJ
	98066	Tert-butylbenzene	4.0	ug/Kg	UJ
	127184	Tetrachloroethene	2.0	ug/Kg	UJ
	108883	Toluene	2.0	ug/Kg	UJ
	1330207	Total Xylenes	4.0	ug/Kg	UJ
	156605	trans-1,2-Dichloroethene	2.0	ug/Kg	UJ
	10061026	Trans-1,3-Dichloropropene	1.9	ug/Kg	UJ
	75694	Trichlorofluoromethane	20.1	ug/Kg	UJ
	75014	Vinyl Chloride	2.0	ug/Kg	UJ
	2199691	1,2-Dichlorobenzene-d4	98	%Rec	
	17060070	1,2-Dichloroethane-d4	114	%Rec	
	540363	Benzene, 1,4-difluoro-	99	%Rec	
	460004	p-Bromofluorobenzene	99	%Rec	
	2037265	Toluene-d8	98	%Rec	

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Project Code:	FSP-005A	**Collected:**	5/21/96 13:24
Project Name:	COEUR d'ALENE	**Matrix:**	Air
Project Officer:	MARK ADER	**Sample Number:**	96213828
Account Code:	96T10PTFA10Q6LA00	**Type:**	Reg sample
Station Description:			

			Result	Units	Qlfr
FASP					
Parameter	: Volatiles				
Method	: FASP-038				
Prep Method	: 00	unspecified			
Analytes	: 79016	Ethene, trichloro-	0.06	ug/L	U
	127184	Tetrachloroethene	0.06	ug/L	U

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Project Code:	FSP-005A	**Collected:**	5/22/96 14:09
Project Name:	COEUR d'ALENE	**Matrix:**	Air
Project Officer:	MARK ADER	**Sample Number:**	96213829
Account Code:	96T10PTFA10Q6LA00	**Type:**	Reg sample
Station Description:			

			Result	Units	Qlfr
FASP					
Parameter	: Volatiles				
Method	: FASP-038				
Prep Method	: 00	unspecified			
Analytes	: **79016**	**Ethene, trichloro-**	**0.06**	**ug/L**	
	127184	Tetrachloroethene	0.03	ug/L	U

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Project Code:	FSP-005A	**Collected:**	5/22/96 14:52
Project Name:	COEUR d'ALENE	**Matrix:**	Air
Project Officer:	MARK ADER	**Sample Number:**	96213830
Account Code:	96T10PTFA10Q6LA00	**Type:**	Reg sample
Station Description:			

			Result	Units	Qlfr
FASP					
Parameter	: Volatiles				
Method	: FASP-038				
Prep Method	: 00	unspecified			
Analytes	: **79016**	**Ethene, trichloro-**	**0.06**	**ug/L**	
	127184	Tetrachloroethene	0.03	ug/L	U

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Project Code:	FSP-005A	**Collected:**	5/22/96 15:35
Project Name:	COEUR d'ALENE	**Matrix:**	Air
Project Officer:	MARK ADER	**Sample Number:**	96213831
Account Code:	96T10PTFA10Q6LA00	**Type:**	Reg sample
Station Description:			

			Result	Units	Qlfr
FASP					
Parameter	: Volatiles				
Method	: FASP-038				
Prep Method	: 00	unspecified			
Analytes	: 79016	Ethene, trichloro-	0.03	ug/L	U
	127184	Tetrachloroethene	0.03	ug/L	U

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Project Code:	FSP-005A	**Collected:**	5/22/96 16:20
Project Name:	COEUR d'ALENE	**Matrix:**	Air
Project Officer:	MARK ADER	**Sample Number:**	96213832
Account Code:	96T10PTFA10Q6LA00	**Type:**	Reg sample
Station Description:			

			Result	Units	Qlfr
FASP					
Parameter	: Volatiles				
Method	: FASP-038				
Prep Method	: 00	unspecified			
Analytes	: **79016**	**Ethene, trichloro-**	**0.28**	**ug/L**	**J**
	127184	Tetrachloroethene	0.06	ug/L	U

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Project Code: FSP-005A
Project Name: COEUR d'ALENE
Project Officer: MARK ADER
Account Code: 96T10PTFA10Q6LA00
Station Description: TB01GC01

Collected: 5/22/96 16:15
Matrix: Air
Sample Number: 96213833
Type: Reg sample

GCMS

Parameter : Volatiles
Method : 8260-M
Prep Method:

Analytes		Result	Units	Qlfr
513882	1,1-Dichloropropanone			REJ
630206	1,1,1,2-Tetrachloroethane	0.02	ug/L	U
71556	1,1,1-Trichloroethane	0.02	ug/L	U
79005	1,1,2-Trichloroethane	0.02	ug/L	U
75343	1,1-Dichloroethane	0.02	ug/L	U
75354	1,1-dichloroethene	0.02	ug/L	U
563586	1,1-Dichloropropene	0.02	ug/L	U
87616	1,2,3-Trichlorobenzene	0.05	ug/L	U
96184	1,2,3-Trichloropropane	0.02	ug/L	U
120821	1,2,4-Trichlorobenzene	0.05	ug/L	U
96128	1,2-Dibromo-3-chloropropane	0.02	ug/L	U
106934	1,2-Dibromoethane	0.02	ug/L	U
95501	1,2-Dichlorobenzene	0.02	ug/L	U
107062	1,2-Dichloroethane	0.02	ug/L	U
78875	1,2-Dichloropropane	0.02	ug/L	U
541731	1,3-Dichlorobenzene	0.02	ug/L	U
142289	1,3-Dichloropropane	0.02	ug/L	U
106467	1,4-Dichlorobenzene	0.02	ug/L	U
109693	1-Chlorobutane	0.02	ug/L	U
594207	2,2-Dichloropropane	0.02	ug/L	U
78933	2-Butanone	0.1	ug/L	U
95498	2-Chlorotoluene	0.02	ug/L	U
591786	2-Hexanone	0.04	ug/L	U
79469	2-Nitropropane	0.02	ug/L	U
108101	2-Pentanone, 4-methyl-	0.04	ug/L	U
106434	4-Chlorotoluene	0.02	ug/L	U
67641	Acetone	0.1	ug/L	UJ
107131	Acrylonitrile	0.05	ug/L	UJ
107051	Allyl Chloride	0.02	ug/L	U
71432	Benzene	0.02	ug/L	U
98828	Benzene, (1-methylethyl)	0.02	ug/L	U
95636	Benzene, 1,2,4-trimethyl	0.02	ug/L	U
95476	Benzene, 1,2-dimethyl-	0.02	ug/L	U
108678	Benzene, 1,3,5-trimethyl	0.02	ug/L	U
99876	Benzene, 1-methyl-4-(1-m	0.02	ug/L	U
100414	Benzene, ethyl-	0.02	ug/L	U

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			Result	Units	Qlfr
Analytes	: 108861	Bromobenzene	0.02	ug/L	U
	74975	Bromochloromethane	0.02	ug/L	U
	75274	Bromodichloromethane	0.02	ug/L	U
	75252	Bromoform	0.02	ug/L	U
	74839	Bromomethane	0.02	ug/L	U
	75150	Carbon Disulfide	0.04	ug/L	U
	56235	Carbon Tetrachloride	0.02	ug/L	U
	107142	Chloroacetonitrile	0.05	ug/L	UJ
	108907	Chlorobenzene	0.02	ug/L	U
	75003	Chloroethane	0.02	ug/L	U
	67663	Chloroform	0.02	ug/L	U
	74873	Chloromethane	0.02	ug/L	U
	156592	cis-1,2-Dichloroethene	0.02	ug/L	U
	10061015	Cis-1,3-Dichloropropene	0.021	ug/L	U
	124481	Dibromochloromethane	0.02	ug/L	U
	74953	Dibromomethane	0.02	ug/L	U
	75718	Dichlorodifluoromethane	0.02	ug/L	U
	60297	Diethyl ether	0.02	ug/L	U
	79345	Ethane, 1,1,2,2-tetrachl	0.02	ug/L	U
	79016	Ethene, trichloro-	0.02	ug/L	U
	97632	Ethylmethacrylate	0.02	ug/L	U
	76131	Freon 113	0.02	ug/L	U
	87683	Hexachlorobutadiene	0.05	ug/L	U
	67721	Hexachloroethane	0.02	ug/L	U
	126987	Methacrylonitrile	0.02	ug/L	U
	75092	Methane, dichloro-	0.02	ug/L	U
	96333	Methyl acrylate	0.02	ug/L	U
	74884	Methyl Iodide	0.02	ug/L	U
	80626	Methyl Methacrylate	0.02	ug/L	U
	*1330207	MP-Xylene	0.04	ug/L	U
	104518	n-Butylbenzene	0.02	ug/L	U
	103651	n-Propylbenzene	0.02	ug/L	U
	91203	Naphthalene	0.05	ug/L	U
	76017	Pentachloroethane	0.02	ug/L	U
	1634044	Propane, 2-methoxy-2-met	0.02	ug/L	U
	135988	sec-Butylbenzene	0.02	ug/L	U
	100425	Styrene	0.05	ug/L	U
	98066	Tert-butylbenzene	0.02	ug/L	U
	127184	Tetrachloroethene	0.02	ug/L	U
	109999	Tetrahydrofuran	0.02	ug/L	UJ
	108883	Toluene	0.02	ug/L	U
	156605	trans-1,2-Dichloroethene	0.02	ug/L	U
	10061026	Trans-1,3-Dichloropropene	0.019	ug/L	U
	110576	trans-1,4-Dichloro-2-butene	0.02	ug/L	U
	75694	Trichlorofluoromethane	0.02	ug/L	U
	75014	Vinyl Chloride	0.02	ug/L	U
	2199691	1,2-Dichlorobenzene-d4	99	%Rec	
	17060070	1,2-Dichloroethane-d4	101	%Rec	

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			Result	Units	Qlfr
Analytes	: 540363	Benzene, 1,4-difluoro-	99	%Rec	
	460004	p-Bromofluorobenzene	94	%Rec	
	2037265	Toluene-d8	100	%Rec	

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Project Code:	FSP-005A	**Collected:**	0:57
Project Name:	COEUR d'ALENE	**Matrix:**	Solid
Project Officer:	MARK ADER	**Sample Number:**	96213834
Account Code:	96T10PTFA10Q6LA00	**Type:**	Reg sample
Station Description:			

FASP

Parameter : Volatiles
Method :
Prep Method:

Analytes			Result	Units	Qlfr
	630206	1,1,1,2-Tetrachloroethane	0.96	ug/Kg	U
	71556	1,1,1-Trichloroethane	0.96	ug/Kg	U
	79005	1,1,2-Trichloroethane	0.96	ug/Kg	U
	75343	1,1-Dichloroethane	0.96	ug/Kg	U
	75354	1,1-dichloroethene	0.96	ug/Kg	U
	107062	1,2-Dichloroethane	0.96	ug/Kg	U
	156592	cis-1,2-Dichloroethene	0.96	ug/Kg	U
	79345	Ethane, 1,1,2,2-tetrachl	0.96	ug/Kg	U
	79016	Ethene, trichloro-	0.96	ug/Kg	U
	127184	Tetrachloroethene	0.96	ug/Kg	U
	156605	trans-1,2-Dichloroethene	0.96	ug/Kg	U
	75014	Vinyl Chloride	0.96	ug/Kg	U

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Project Code: FSP-005A
Project Name: COEUR d'ALENE
Project Officer: MARK ADER
Account Code: 96T10PTFA10Q6LA00
Station Description: DE21GC12

Collected: 5/23/96 9:06
Matrix: Air
Sample Number: 96213835
Type: Reg sample

GCMS

Parameter : Volatiles
Method : 8260-M
Prep Method:

Analytes		Result	Units	Qlfr
513882	1,1-Dichloropropanone			REJ
630206	1,1,1,2-Tetrachloroethane	1.0	ug/L	U
71556	1,1,1-Trichloroethane	1.0	ug/L	U
79005	1,1,2-Trichloroethane	1.0	ug/L	U
75343	1,1-Dichloroethane	1.0	ug/L	U
75354	1,1-dichloroethene	1.0	ug/L	U
563586	1,1-Dichloropropene	1.0	ug/L	U
87616	1,2,3-Trichlorobenzene	2.6	ug/L	UJ
96184	1,2,3-Trichloropropane	1.0	ug/L	U
120821	1,2,4-Trichlorobenzene	2.6	ug/L	U
96128	1,2-Dibromo-3-chloropropane	1.0	ug/L	U
106934	1,2-Dibromoethane	1.0	ug/L	U
95501	1,2-Dichlorobenzene	1.0	ug/L	U
107062	1,2-Dichloroethane	1.0	ug/L	U
78875	1,2-Dichloropropane	1.0	ug/L	U
541731	1,3-Dichlorobenzene	1.0	ug/L	U
142289	1,3-Dichloropropane	1.0	ug/L	U
106467	1,4-Dichlorobenzene	1.0	ug/L	U
109693	1-Chlorobutane	1.0	ug/L	U
594207	2,2-Dichloropropane	1.0	ug/L	U
78933	2-Butanone	5.1	ug/L	U
95498	2-Chlorotoluene	1.0	ug/L	U
591786	2-Hexanone	2.0	ug/L	U
79469	2-Nitropropane	1.0	ug/L	U
108101	2-Pentanone, 4-methyl-	2.0	ug/L	U
106434	4-Chlorotoluene	1.0	ug/L	U
67641	Acetone	5.1	ug/L	U
107131	Acrylonitrile	2.6	ug/L	UJ
107051	Allyl Chloride	1.0	ug/L	U
71432	Benzene	1.0	ug/L	U
98828	Benzene, (1-methylethyl)	1.0	ug/L	U
95636	Benzene, 1,2,4-trimethyl	1.0	ug/L	U
95476	Benzene, 1,2-dimethyl-	1.0	ug/L	U
108678	Benzene, 1,3,5-trimethyl	1.0	ug/L	U
99876	Benzene, 1-methyl-4-(1-m	1.0	ug/L	U
100414	Benzene, ethyl-	1.0	ug/L	U

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			Result	Units	Qlfr
Analytes	: 108861	Bromobenzene	1.0	ug/L	U
	74975	Bromochloromethane	1.0	ug/L	U
	75274	Bromodichloromethane	1.0	ug/L	U
	75252	Bromoform	1.0	ug/L	U
	74839	Bromomethane	1.0	ug/L	U
	75150	Carbon Disulfide	2.0	ug/L	U
	56235	Carbon Tetrachloride	1.0	ug/L	U
	107142	Chloroacetonitrile	2.6	ug/L	UJ
	108907	Chlorobenzene	1.0	ug/L	U
	75003	Chloroethane	1.0	ug/L	U
	67663	Chloroform	1.0	ug/L	U
	74873	Chloromethane	1.0	ug/L	U
	156592	cis-1,2-Dichloroethene	1.0	ug/L	U
	10061015	Cis-1,3-Dichloropropene	1.1	ug/L	U
	124481	Dibromochloromethane	1.0	ug/L	U
	74953	Dibromomethane	1.0	ug/L	U
	75718	Dichlorodifluoromethane	1.0	ug/L	U
	60297	Diethyl ether	1.0	ug/L	U
	79345	Ethane, 1,1,2,2-tetrachl	1.0	ug/L	U
	79016	**Ethene, trichloro-**	**58.5**	**ug/L**	
	97632	Ethylmethacrylate	1.0	ug/L	U
	76131	Freon 113	1.0	ug/L	U
	87683	Hexachlorobutadiene	2.6	ug/L	U
	67721	Hexachloroethane	1.0	ug/L	U
	126987	Methacrylonitrile	1.0	ug/L	U
	75092	Methane, dichloro-	1.0	ug/L	U
	96333	Methyl acrylate	1.0	ug/L	U
	74884	Methyl Iodide	1.0	ug/L	U
	80626	Methyl Methacrylate	1.0	ug/L	U
	*1330207	MP-Xylene	2.0	ug/L	U
	104518	n-Butylbenzene	1.0	ug/L	U
	103651	n-Propylbenzene	1.0	ug/L	U
	91203	Naphthalene	2.6	ug/L	UJ
	76017	Pentachloroethane	1.0	ug/L	U
	1634044	Propane, 2-methoxy-2-met	1.0	ug/L	U
	135988	sec-Butylbenzene	1.0	ug/L	U
	100425	Styrene	2.6	ug/L	U
	98066	Tert-butylbenzene	1.0	ug/L	U
	127184	**Tetrachloroethene**	**1.9**	**ug/L**	
	109999	Tetrahydrofuran	1.0	ug/L	UJ
	108883	Toluene	1.0	ug/L	U
	156605	trans-1,2-Dichloroethene	1.0	ug/L	U
	10061026	Trans-1,3-Dichloropropene	0.96	ug/L	U
	110576	trans-1,4-Dichloro-2-butene	1.0	ug/L	U
	75694	Trichlorofluoromethane	1.0	ug/L	U
	75014	Vinyl Chloride	1.0	ug/L	U
	2199691	1,2-Dichlorobenzene-d4	98	%Rec	
	17060070	1,2-Dichloroethane-d4	91	%Rec	

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			Result	Units	Qlfr
Analytes	: 540363	Benzene, 1,4-difluoro-	100	%Rec	
	460004	p-Bromofluorobenzene	96	%Rec	
	2037265	Toluene-d8	102	%Rec	

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Project Code: FSP-005A
Project Name: COEUR d'ALENE
Project Officer: MARK ADER
Account Code: 96T10PTFA10Q6LA00
Station Description: DE22GC12

Collected: 5/23/96 9:25
Matrix: Air
Sample Number: 96213836
Type: Reg sample

GCMS

Parameter : Volatiles
Method : 8260-M
Prep Method:
Analytes :

		Result	Units	Qlfr
513882	1,1-Dichloropropanone			REJ
630206	1,1,1,2-Tetrachloroethane	1.0	ug/L	U
71556	1,1,1-Trichloroethane	1.0	ug/L	U
79005	1,1,2-Trichloroethane	1.0	ug/L	U
75343	1,1-Dichloroethane	1.0	ug/L	U
75354	1,1-dichloroethene	1.0	ug/L	U
563586	1,1-Dichloropropene	1.0	ug/L	U
87616	1,2,3-Trichlorobenzene	2.6	ug/L	UJ
96184	1,2,3-Trichloropropane	1.0	ug/L	U
120821	1,2,4-Trichlorobenzene	2.6	ug/L	U
96128	1,2-Dibromo-3-chloropropane	1.0	ug/L	U
106934	1,2-Dibromoethane	1.0	ug/L	U
95501	1,2-Dichlorobenzene	1.0	ug/L	U
107062	1,2-Dichloroethane	1.0	ug/L	U
78875	1,2-Dichloropropane	1.0	ug/L	U
541731	1,3-Dichlorobenzene	1.0	ug/L	U
142289	1,3-Dichloropropane	1.0	ug/L	U
106467	1,4-Dichlorobenzene	1.0	ug/L	U
109693	1-Chlorobutane	1.0	ug/L	U
594207	2,2-Dichloropropane	1.0	ug/L	U
78933	2-Butanone	5.2	ug/L	U
95498	2-Chlorotoluene	1.0	ug/L	U
591786	2-Hexanone	2.1	ug/L	U
79469	2-Nitropropane	1.0	ug/L	U
108101	2-Pentanone, 4-methyl-	2.1	ug/L	U
106434	4-Chlorotoluene	1.0	ug/L	U
67641	Acetone	5.2	ug/L	U
107131	Acrylonitrile	2.6	ug/L	UJ
107051	Allyl Chloride	1.0	ug/L	U
71432	Benzene	1.0	ug/L	U
98828	Benzene, (1-methylethyl)	1.0	ug/L	U
95636	Benzene, 1,2,4-trimethyl	1.0	ug/L	U
95476	Benzene, 1,2-dimethyl-	1.0	ug/L	U
108678	Benzene, 1,3,5-trimethyl	1.0	ug/L	U
99876	Benzene, 1-methyl-4-(1-m	1.0	ug/L	U
100414	Benzene, ethyl-	1.0	ug/L	U

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			Result	Units	Qlfr
Analytes	: 108861	Bromobenzene	1.0	ug/L	U
	74975	Bromochloromethane	1.0	ug/L	U
	75274	Bromodichloromethane	1.0	ug/L	U
	75252	Bromoform	1.0	ug/L	U
	74839	Bromomethane	1.0	ug/L	U
	75150	Carbon Disulfide	2.1	ug/L	U
	56235	Carbon Tetrachloride	1.0	ug/L	U
	107142	Chloroacetonitrile	2.6	ug/L	UJ
	108907	Chlorobenzene	1.0	ug/L	U
	75003	Chloroethane	1.0	ug/L	U
	67663	Chloroform	1.0	ug/L	U
	74873	Chloromethane	1.0	ug/L	U
	156592	cis-1,2-Dichloroethene	1.0	ug/L	U
	10061015	Cis-1,3-Dichloropropene	1.1	ug/L	U
	124481	Dibromochloromethane	1.0	ug/L	U
	74953	Dibromomethane	1.0	ug/L	U
	75718	Dichlorodifluoromethane	1.0	ug/L	U
	60297	Diethyl ether	1.0	ug/L	U
	79345	Ethane, 1,1,2,2-tetrachl	1.0	ug/L	U
	79016	**Ethene, trichloro-**	**31.1**	**ug/L**	
	97632	Ethylmethacrylate	1.0	ug/L	U
	76131	Freon 113	1.0	ug/L	U
	87683	Hexachlorobutadiene	2.6	ug/L	U
	67721	Hexachloroethane	1.0	ug/L	U
	126987	Methacrylonitrile	1.0	ug/L	U
	75092	Methane, dichloro-	1.0	ug/L	U
	96333	Methyl acrylate	1.0	ug/L	U
	74884	Methyl Iodide	1.0	ug/L	U
	80626	Methyl Methacrylate	1.0	ug/L	U
	*1330207	MP-Xylene	2.1	ug/L	U
	104518	n-Butylbenzene	1.0	ug/L	U
	103651	n-Propylbenzene	1.0	ug/L	U
	91203	Naphthalene	2.6	ug/L	UJ
	76017	Pentachloroethane	1.0	ug/L	U
	1634044	Propane, 2-methoxy-2-met	1.0	ug/L	U
	135988	sec-Butylbenzene	1.0	ug/L	U
	100425	Styrene	2.6	ug/L	U
	98066	Tert-butylbenzene	1.0	ug/L	U
	127184	**Tetrachloroethene**	**1.5**	**ug/L**	
	109999	Tetrahydrofuran	1.0	ug/L	UJ
	108883	Toluene	1.0	ug/L	U
	156605	trans-1,2-Dichloroethene	1.0	ug/L	U
	10061026	Trans-1,3-Dichloropropene	0.98	ug/L	U
	110576	trans-1,4-Dichloro-2-butene	1.0	ug/L	U
	75694	Trichlorofluoromethane	1.0	ug/L	U
	75014	Vinyl Chloride	1.0	ug/L	U
	2199691	1,2-Dichlorobenzene-d4	99	%Rec	
	17060070	1,2-Dichloroethane-d4	95	%Rec	

96213836 Reg sample

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			Result	Units	Qlfr
Analytes	: 540363	Benzene, 1,4-difluoro-	101	%Rec	
	460004	p-Bromofluorobenzene	97	%Rec	
	2037265	Toluene-d8	101	%Rec	

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Project Code:	FSP-005A	**Collected:**	5/23/96 10:59
Project Name:	COEUR d'ALENE	**Matrix:**	Air
Project Officer:	MARK ADER	**Sample Number:**	96213837
Account Code:	96T10PTFA10Q6LA00	**Type:**	Reg sample
Station Description:	CL15GC12		

GCMS

Parameter : Volatiles
Method : 8260-M
Prep Method:
Analytes :

		Result	Units	Qlfr
513882	1,1-Dichloropropanone			REJ
630206	1,1,1,2-Tetrachloroethane	0.052	ug/L	U
71556	**1,1,1-Trichloroethane**	**0.087**	**ug/L**	
79005	1,1,2-Trichloroethane	0.052	ug/L	U
75343	1,1-Dichloroethane	0.052	ug/L	U
75354	1,1-dichloroethene	0.052	ug/L	U
563586	1,1-Dichloropropene	0.052	ug/L	U
87616	1,2,3-Trichlorobenzene	0.13	ug/L	U
96184	1,2,3-Trichloropropane	0.052	ug/L	U
120821	1,2,4-Trichlorobenzene	0.13	ug/L	U
96128	1,2-Dibromo-3-chloropropane	0.052	ug/L	U
106934	1,2-Dibromoethane	0.052	ug/L	U
95501	1,2-Dichlorobenzene	0.052	ug/L	U
107062	1,2-Dichloroethane	0.052	ug/L	U
78875	1,2-Dichloropropane	0.052	ug/L	U
541731	1,3-Dichlorobenzene	0.052	ug/L	U
142289	1,3-Dichloropropane	0.052	ug/L	U
106467	1,4-Dichlorobenzene	0.052	ug/L	U
109693	1-Chlorobutane	0.052	ug/L	U
594207	2,2-Dichloropropane	0.052	ug/L	U
78933	2-Butanone	0.26	ug/L	U
95498	2-Chlorotoluene	0.052	ug/L	U
591786	2-Hexanone	0.10	ug/L	U
79469	2-Nitropropane	0.052	ug/L	U
108101	2-Pentanone, 4-methyl-	0.10	ug/L	U
106434	4-Chlorotoluene	0.052	ug/L	U
67641	Acetone	0.26	ug/L	U
107131	Acrylonitrile	0.13	ug/L	UJ
107051	Allyl Chloride	0.052	ug/L	U
71432	Benzene	0.052	ug/L	U
98828	Benzene, (1-methylethyl)	0.052	ug/L	U
95636	Benzene, 1,2,4-trimethyl	0.052	ug/L	U
95476	Benzene, 1,2-dimethyl-	0.052	ug/L	U
108678	Benzene, 1,3,5-trimethyl	0.052	ug/L	U
99876	Benzene, 1-methyl-4-(1-m	0.052	ug/L	U
100414	Benzene, ethyl-	0.052	ug/L	U

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			Result	Units	Qlfr
Analytes :	108861	Bromobenzene	0.052	ug/L	U
	74975	Bromochloromethane	0.052	ug/L	U
	75274	Bromodichloromethane	0.052	ug/L	U
	75252	Bromoform	0.052	ug/L	U
	74839	Bromomethane	0.052	ug/L	U
	75150	Carbon Disulfide	0.10	ug/L	U
	56235	Carbon Tetrachloride	0.052	ug/L	U
	107142	Chloroacetonitrile	0.13	ug/L	UJ
	108907	Chlorobenzene	0.052	ug/L	U
	75003	Chloroethane	0.052	ug/L	U
	67663	Chloroform	0.052	ug/L	U
	74873	Chloromethane	0.052	ug/L	U
	156592	cis-1,2-Dichloroethene	0.052	ug/L	U
	10061015	Cis-1,3-Dichloropropene	0.056	ug/L	U
	124481	Dibromochloromethane	0.052	ug/L	U
	74953	Dibromomethane	0.052	ug/L	U
	75718	Dichlorodifluoromethane	0.052	ug/L	U
	60297	Diethyl ether	0.052	ug/L	U
	79345	Ethane, 1,1,2,2-tetrachl	0.052	ug/L	U
	79016	**Ethene, trichloro-**	**1.5**	**ug/L**	
	97632	Ethylmethacrylate	0.052	ug/L	U
	76131	Freon 113	0.052	ug/L	U
	87683	Hexachlorobutadiene	0.13	ug/L	U
	67721	Hexachloroethane	0.052	ug/L	U
	126987	Methacrylonitrile	0.052	ug/L	U
	75092	Methane, dichloro-	0.052	ug/L	U
	96333	Methyl acrylate	0.052	ug/L	U
	74884	Methyl Iodide	0.052	ug/L	U
	80626	Methyl Methacrylate	0.052	ug/L	U
	*1330207	MP-Xylene	0.10	ug/L	U
	104518	n-Butylbenzene	0.052	ug/L	U
	103651	n-Propylbenzene	0.052	ug/L	U
	91203	Naphthalene	0.13	ug/L	U
	76017	Pentachloroethane	0.052	ug/L	U
	1634044	Propane, 2-methoxy-2-met	0.052	ug/L	U
	135988	sec-Butylbenzene	0.052	ug/L	U
	100425	Styrene	0.13	ug/L	U
	98066	Tert-butylbenzene	0.052	ug/L	U
	127184	**Tetrachloroethene**	**13.5**	**ug/L**	
	109999	Tetrahydrofuran	0.052	ug/L	UJ
	108883	**Toluene**	**0.011**	**ug/L**	**J**
	156605	trans-1,2-Dichloroethene	0.052	ug/L	U
	10061026	Trans-1,3-Dichloropropene	0.049	ug/L	U
	110576	trans-1,4-Dichloro-2-butene	0.052	ug/L	U
	75694	Trichlorofluoromethane	0.052	ug/L	U
	75014	Vinyl Chloride	0.052	ug/L	U
	2199691	1,2-Dichlorobenzene-d4	98	%Rec	
	17060070	1,2-Dichloroethane-d4	106	%Rec	

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			Result	Units	Qlfr
Analytes	: 540363	Benzene, 1,4-difluoro-	101	%Rec	
	460004	p-Bromofluorobenzene	95	%Rec	
	2037265	Toluene-d8	100	%Rec	

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Project Code:	FSP-005A	**Collected:**	5/23/96 10:16
Project Name:	COEUR d'ALENE	**Matrix:**	Air
Project Officer:	MARK ADER	**Sample Number:**	96213838
Account Code:	96T10PTFA10Q6LA00	**Type:**	Reg sample
Station Description:			

			Result	Units	Qlfr
FASP					
Parameter	: Volatiles				
Method	: FASP-038				
Prep Method	: 00	unspecified			
Analytes	: 79016	Ethene, trichloro-	75	%Rec	J
	127184	Tetrachloroethene	79	%Rec	

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Project Code: FSP-005A
Project Name: COEUR d'ALENE
Project Officer: MARK ADER
Account Code: 96T10PTFA10Q6LA00
Station Description: CL16GC12

Collected: 5/23/96 11:34
Matrix: Air
Sample Number: 96213839
Type: Reg sample

GCMS

Parameter : Volatiles
Method : 8260-M
Prep Method:
Analytes :

		Result	Units	Qlfr
513882	1,1-Dichloropropanone			REJ
630206	1,1,1,2-Tetrachloroethane	0.052	ug/L	U
71556	**1,1,1-Trichloroethane**	**0.0034**	**ug/L**	**J**
79005	1,1,2-Trichloroethane	0.052	ug/L	U
75343	1,1-Dichloroethane	0.052	ug/L	U
75354	1,1-dichloroethene	0.052	ug/L	U
563586	1,1-Dichloropropene	0.052	ug/L	U
87616	1,2,3-Trichlorobenzene	0.13	ug/L	U
96184	1,2,3-Trichloropropane	0.052	ug/L	U
120821	1,2,4-Trichlorobenzene	0.13	ug/L	U
96128	1,2-Dibromo-3-chloropropane	0.052	ug/L	U
106934	1,2-Dibromoethane	0.052	ug/L	U
95501	1,2-Dichlorobenzene	0.052	ug/L	U
107062	1,2-Dichloroethane	0.052	ug/L	U
78875	1,2-Dichloropropane	0.052	ug/L	U
541731	1,3-Dichlorobenzene	0.052	ug/L	U
142289	1,3-Dichloropropane	0.052	ug/L	U
106467	1,4-Dichlorobenzene	0.052	ug/L	U
109693	1-Chlorobutane	0.052	ug/L	U
594207	2,2-Dichloropropane	0.052	ug/L	U
78933	2-Butanone	0.26	ug/L	U
95498	2-Chlorotoluene	0.052	ug/L	U
591786	2-Hexanone	0.10	ug/L	U
79469	2-Nitropropane	0.052	ug/L	U
108101	2-Pentanone, 4-methyl-	0.10	ug/L	U
106434	4-Chlorotoluene	0.052	ug/L	U
67641	Acetone	0.26	ug/L	U
107131	Acrylonitrile	0.13	ug/L	UJ
107051	Allyl Chloride	0.052	ug/L	U
71432	Benzene	0.052	ug/L	U
98828	Benzene, (1-methylethyl)	0.052	ug/L	U
95636	Benzene, 1,2,4-trimethyl	0.052	ug/L	U
95476	Benzene, 1,2-dimethyl-	0.052	ug/L	U
108678	Benzene, 1,3,5-trimethyl	0.052	ug/L	U
99876	Benzene, 1-methyl-4-(1-m	0.052	ug/L	U
100414	Benzene, ethyl-	0.052	ug/L	U

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			Result	Units	Qlfr
Analytes :	108861	Bromobenzene	0.052	ug/L	U
	74975	Bromochloromethane	0.052	ug/L	U
	75274	Bromodichloromethane	0.052	ug/L	U
	75252	Bromoform	0.052	ug/L	U
	74839	Bromomethane	0.052	ug/L	U
	75150	Carbon Disulfide	0.10	ug/L	U
	56235	Carbon Tetrachloride	0.052	ug/L	U
	107142	Chloroacetonitrile	0.13	ug/L	UJ
	108907	Chlorobenzene	0.052	ug/L	U
	75003	Chloroethane	0.052	ug/L	U
	67663	Chloroform	0.052	ug/L	U
	74873	Chloromethane	0.052	ug/L	U
	156592	cis-1,2-Dichloroethene	0.052	ug/L	U
	10061015	Cis-1,3-Dichloropropene	0.055	ug/L	U
	124481	Dibromochloromethane	0.052	ug/L	U
	74953	Dibromomethane	0.052	ug/L	U
	75718	Dichlorodifluoromethane	0.052	ug/L	U
	60297	Diethyl ether	0.052	ug/L	U
	79345	Ethane, 1,1,2,2-tetrachl	0.052	ug/L	U
	79016	**Ethene, trichloro-**	**6.3**	**ug/L**	
	97632	Ethylmethacrylate	0.052	ug/L	U
	76131	Freon 113	0.052	ug/L	U
	87683	Hexachlorobutadiene	0.13	ug/L	U
	67721	Hexachloroethane	0.052	ug/L	U
	126987	Methacrylonitrile	0.052	ug/L	U
	75092	Methane, dichloro-	0.052	ug/L	U
	96333	Methyl acrylate	0.052	ug/L	U
	74884	Methyl Iodide	0.052	ug/L	U
	80626	Methyl Methacrylate	0.052	ug/L	U
	*1330207	MP-Xylene	0.10	ug/L	U
	104518	n-Butylbenzene	0.052	ug/L	U
	103651	n-Propylbenzene	0.052	ug/L	U
	91203	Naphthalene	0.13	ug/L	U
	76017	Pentachloroethane	0.052	ug/L	U
	1634044	Propane, 2-methoxy-2-met	0.052	ug/L	U
	135988	sec-Butylbenzene	0.052	ug/L	U
	100425	Styrene	0.13	ug/L	U
	98066	Tert-butylbenzene	0.052	ug/L	U
	127184	**Tetrachloroethene**	**0.65**	**ug/L**	
	109999	Tetrahydrofuran	0.052	ug/L	UJ
	108883	**Toluene**	**0.0078**	**ug/L**	**J**
	156605	trans-1,2-Dichloroethene	0.052	ug/L	U
	10061026	Trans-1,3-Dichloropropene	0.049	ug/L	U
	110576	trans-1,4-Dichloro-2-butene	0.052	ug/L	U
	75694	Trichlorofluoromethane	0.052	ug/L	U
	75014	Vinyl Chloride	0.052	ug/L	U
	2199691	1,2-Dichlorobenzene-d4	98	%Rec	
	17060070	1,2-Dichloroethane-d4	104	%Rec	

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			Result	Units	Qlfr
Analytes	: 540363	Benzene, 1,4-difluoro-	100	%Rec	
	460004	p-Bromofluorobenzene	95	%Rec	
	2037265	Toluene-d8	101	%Rec	

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Project Code:	FSP-005A	**Collected:**	5/23/96 10:57
Project Name:	COEUR d'ALENE	**Matrix:**	Air
Project Officer:	MARK ADER	**Sample Number:**	96213840
Account Code:	96T10PTFA10Q6LA00	**Type:**	Reg sample
Station Description:			

			Result	Units	Qlfr
FASP					
Parameter	: Volatiles				
Method	:				
Prep Method	:				
Analytes	: 79016	Ethene, trichloro-	0.006	ug/L	UJ
	127184	Tetrachloroethene	0.006	ug/L	U

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Project Code: FSP-005A
Project Name: COEUR d'ALENE
Project Officer: MARK ADER
Account Code: 96T10PTFA10Q6LA00
Station Description: DE23GC12

Collected: 5/23/96 13:45
Matrix: Air
Sample Number: 96213841
Type: Reg sample

GCMS

Parameter : Volatiles
Method : 8260-M
Prep Method:
Analytes :

		Result	Units	Qlfr
513882	1,1-Dichloropropanone			REJ
630206	1,1,1,2-Tetrachloroethane	1.1	ug/L	U
71556	1,1,1-Trichloroethane	1.1	ug/L	U
79005	1,1,2-Trichloroethane	1.1	ug/L	U
75343	1,1-Dichloroethane	1.1	ug/L	U
75354	1,1-dichloroethene	1.1	ug/L	U
563586	1,1-Dichloropropene	1.1	ug/L	U
87616	1,2,3-Trichlorobenzene	2.6	ug/L	UJ
96184	1,2,3-Trichloropropane	1.1	ug/L	U
120821	1,2,4-Trichlorobenzene	2.6	ug/L	U
96128	1,2-Dibromo-3-chloropropane	1.1	ug/L	U
106934	1,2-Dibromoethane	1.1	ug/L	U
95501	1,2-Dichlorobenzene	1.1	ug/L	U
107062	1,2-Dichloroethane	1.1	ug/L	U
78875	1,2-Dichloropropane	1.1	ug/L	U
541731	1,3-Dichlorobenzene	1.1	ug/L	U
142289	1,3-Dichloropropane	1.1	ug/L	U
106467	1,4-Dichlorobenzene	1.1	ug/L	U
109693	1-Chlorobutane	1.1	ug/L	U
594207	2,2-Dichloropropane	1.1	ug/L	U
78933	2-Butanone	5.3	ug/L	U
95498	2-Chlorotoluene	1.1	ug/L	U
591786	2-Hexanone	2.1	ug/L	U
79469	2-Nitropropane	1.1	ug/L	U
108101	2-Pentanone, 4-methyl-	2.1	ug/L	U
106434	4-Chlorotoluene	1.1	ug/L	U
67641	Acetone	5.3	ug/L	U
107131	Acrylonitrile	2.6	ug/L	UJ
107051	Allyl Chloride	1.1	ug/L	U
71432	Benzene	1.1	ug/L	U
98828	Benzene, (1-methylethyl)	1.1	ug/L	U
95636	Benzene, 1,2,4-trimethyl	1.1	ug/L	U
95476	Benzene, 1,2-dimethyl-	1.1	ug/L	U
108678	Benzene, 1,3,5-trimethyl	1.1	ug/L	U
99876	Benzene, 1-methyl-4-(1-m	1.1	ug/L	U
100414	Benzene, ethyl-	1.1	ug/L	U

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			Result	Units	Qlfr
Analytes	: 108861	Bromobenzene	1.1	ug/L	U
	74975	Bromochloromethane	1.1	ug/L	U
	75274	Bromodichloromethane	1.1	ug/L	U
	75252	Bromoform	1.1	ug/L	U
	74839	Bromomethane	1.1	ug/L	U
	75150	Carbon Disulfide	2.1	ug/L	U
	56235	Carbon Tetrachloride	1.1	ug/L	U
	107142	Chloroacetonitrile	2.6	ug/L	UJ
	108907	Chlorobenzene	1.1	ug/L	U
	75003	Chloroethane	1.1	ug/L	U
	67663	Chloroform	1.1	ug/L	U
	74873	Chloromethane	1.1	ug/L	U
	156592	**cis-1,2-Dichloroethene**	**0.029**	**ug/L**	**J**
	10061015	Cis-1,3-Dichloropropene	1.1	ug/L	U
	124481	Dibromochloromethane	1.1	ug/L	U
	74953	Dibromomethane	1.1	ug/L	U
	75718	Dichlorodifluoromethane	1.1	ug/L	U
	60297	Diethyl ether	1.1	ug/L	U
	79345	Ethane, 1,1,2,2-tetrachl	1.1	ug/L	U
	79016	**Ethene, trichloro-**	**25.4**	**ug/L**	
	97632	Ethylmethacrylate	1.1	ug/L	U
	76131	Freon 113	1.1	ug/L	U
	87683	Hexachlorobutadiene	2.6	ug/L	U
	67721	Hexachloroethane	1.1	ug/L	U
	126987	Methacrylonitrile	1.1	ug/L	U
	75092	Methane, dichloro-	1.1	ug/L	U
	96333	Methyl acrylate	1.1	ug/L	U
	74884	Methyl Iodide	1.1	ug/L	U
	80626	Methyl Methacrylate	1.1	ug/L	U
	*1330207	MP-Xylene	2.1	ug/L	U
	104518	n-Butylbenzene	1.1	ug/L	U
	103651	n-Propylbenzene	1.1	ug/L	U
	91203	Naphthalene	2.6	ug/L	UJ
	76017	Pentachloroethane	1.1	ug/L	U
	1634044	Propane, 2-methoxy-2-met	1.1	ug/L	U
	135988	sec-Butylbenzene	1.1	ug/L	U
	100425	Styrene	2.6	ug/L	U
	98066	Tert-butylbenzene	1.1	ug/L	U
	127184	**Tetrachloroethene**	**20.2**	**ug/L**	
	109999	Tetrahydrofuran	1.1	ug/L	UJ
	108883	Toluene	1.1	ug/L	U
	156605	trans-1,2-Dichloroethene	1.1	ug/L	U
	10061026	Trans-1,3-Dichloropropene	1.0	ug/L	U
	110576	trans-1,4-Dichloro-2-butene	1.1	ug/L	U
	75694	Trichlorofluoromethane	1.1	ug/L	U
	75014	Vinyl Chloride	1.1	ug/L	U
	2199691	1,2-Dichlorobenzene-d4	100	%Rec	
	17060070	1,2-Dichloroethane-d4	92	%Rec	

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			Result	Units	Qlfr
Analytes	: 540363	Benzene, 1,4-difluoro-	100	%Rec	
	460004	p-Bromofluorobenzene	96	%Rec	
	2037265	Toluene-d8	101	%Rec	

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Project Code:	FSP-005A	**Collected:**	5/23/96 14:10
Project Name:	COEUR d'ALENE	**Matrix:**	Air
Project Officer:	MARK ADER	**Sample Number:**	96213842
Account Code:	96T10PTFA10Q6LA00	**Type:**	Reg sample
Station Description:	AN05GC12		

GCMS

Parameter : Volatiles
Method : 8260-M
Prep Method:

Analytes		Result	Units	Qlfr
513882	1,1-Dichloropropanone			REJ
630206	1,1,1,2-Tetrachloroethane	0.051	ug/L	U
71556	1,1,1-Trichloroethane	0.051	ug/L	U
79005	1,1,2-Trichloroethane	0.051	ug/L	U
75343	1,1-Dichloroethane	0.051	ug/L	U
75354	1,1-dichloroethene	0.051	ug/L	U
563586	1,1-Dichloropropene	0.051	ug/L	U
87616	1,2,3-Trichlorobenzene	0.13	ug/L	U
96184	1,2,3-Trichloropropane	0.051	ug/L	U
120821	1,2,4-Trichlorobenzene	0.13	ug/L	U
96128	1,2-Dibromo-3-chloropropane	0.051	ug/L	U
106934	1,2-Dibromoethane	0.051	ug/L	U
95501	1,2-Dichlorobenzene	0.051	ug/L	U
107062	1,2-Dichloroethane	0.051	ug/L	U
78875	1,2-Dichloropropane	0.051	ug/L	U
541731	1,3-Dichlorobenzene	0.051	ug/L	U
142289	1,3-Dichloropropane	0.051	ug/L	U
106467	1,4-Dichlorobenzene	0.051	ug/L	U
109693	1-Chlorobutane	0.051	ug/L	U
594207	2,2-Dichloropropane	0.051	ug/L	U
78933	2-Butanone	0.26	ug/L	U
95498	2-Chlorotoluene	0.051	ug/L	U
591786	2-Hexanone	0.10	ug/L	U
79469	2-Nitropropane	0.051	ug/L	U
108101	2-Pentanone, 4-methyl-	0.10	ug/L	U
106434	4-Chlorotoluene	0.051	ug/L	U
67641	Acetone	0.26	ug/L	U
107131	Acrylonitrile	0.13	ug/L	UJ
107051	Allyl Chloride	0.051	ug/L	U
71432	Benzene	0.051	ug/L	U
98828	Benzene, (1-methylethyl)	0.051	ug/L	U
95636	Benzene, 1,2,4-trimethyl	0.051	ug/L	U
95476	Benzene, 1,2-dimethyl-	0.051	ug/L	U
108678	Benzene, 1,3,5-trimethyl	0.051	ug/L	U
99876	Benzene, 1-methyl-4-(1-m	0.051	ug/L	U
100414	Benzene, ethyl-	0.051	ug/L	U

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			Result	Units	Qlfr
Analytes	: 108861	Bromobenzene	0.051	ug/L	U
	74975	Bromochloromethane	0.051	ug/L	U
	75274	Bromodichloromethane	0.051	ug/L	U
	75252	Bromoform	0.051	ug/L	U
	74839	Bromomethane	0.051	ug/L	U
	75150	Carbon Disulfide	0.10	ug/L	U
	56235	Carbon Tetrachloride	0.051	ug/L	U
	107142	Chloroacetonitrile	0.13	ug/L	UJ
	108907	Chlorobenzene	0.051	ug/L	U
	75003	Chloroethane	0.051	ug/L	U
	67663	Chloroform	0.051	ug/L	U
	74873	Chloromethane	0.051	ug/L	U
	156592	**cis-1,2-Dichloroethene**	**0.0061**	**ug/L**	**J**
	10061015	Cis-1,3-Dichloropropene	0.054	ug/L	U
	124481	Dibromochloromethane	0.051	ug/L	U
	74953	Dibromomethane	0.051	ug/L	U
	75718	Dichlorodifluoromethane	0.051	ug/L	U
	60297	Diethyl ether	0.051	ug/L	U
	79345	Ethane, 1,1,2,2-tetrachl	0.051	ug/L	U
	79016	**Ethene, trichloro-**	**15.1**	**ug/L**	
	97632	Ethylmethacrylate	0.051	ug/L	U
	76131	Freon 113	0.051	ug/L	U
	87683	Hexachlorobutadiene	0.13	ug/L	U
	67721	Hexachloroethane	0.051	ug/L	U
	126987	Methacrylonitrile	0.051	ug/L	U
	75092	Methane, dichloro-	0.051	ug/L	U
	96333	Methyl acrylate	0.051	ug/L	U
	74884	Methyl Iodide	0.051	ug/L	U
	80626	Methyl Methacrylate	0.051	ug/L	U
	*1330207	MP-Xylene	0.10	ug/L	U
	104518	n-Butylbenzene	0.051	ug/L	U
	103651	n-Propylbenzene	0.051	ug/L	U
	91203	Naphthalene	0.13	ug/L	U
	76017	Pentachloroethane	0.051	ug/L	U
	1634044	Propane, 2-methoxy-2-met	0.051	ug/L	U
	135988	sec-Butylbenzene	0.051	ug/L	U
	100425	Styrene	0.13	ug/L	U
	98066	Tert-butylbenzene	0.051	ug/L	U
	127184	**Tetrachloroethene**	**2.6**	**ug/L**	
	109999	Tetrahydrofuran	0.051	ug/L	UJ
	108883	**Toluene**	**0.015**	**ug/L**	**J**
	156605	trans-1,2-Dichloroethene	0.051	ug/L	U
	10061026	Trans-1,3-Dichloropropene	0.048	ug/L	U
	110576	trans-1,4-Dichloro-2-butene	0.051	ug/L	U
	75694	Trichlorofluoromethane	0.051	ug/L	U
	75014	Vinyl Chloride	0.051	ug/L	U
	2199691	1,2-Dichlorobenzene-d4	98	%Rec	
	17060070	1,2-Dichloroethane-d4	103	%Rec	

96213842 Reg sample

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			Result	Units	Qlfr
Analytes	: 540363	Benzene, 1,4-difluoro-	100	%Rec	
	460004	p-Bromofluorobenzene	95	%Rec	
	2037265	Toluene-d8	101	%Rec	

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Project Code: FSP-005A
Project Name: COEUR d'ALENE
Project Officer: MARK ADER
Account Code: 96T10PTFA10Q6LA00
Station Description: HNU:0.5 PPN

Collected: 5/23/96 14:02
Matrix: Air
Sample Number: 96213843
Type: Reg sample

FASP

Parameter : Volatiles
Method :
Prep Method:

Analytes			Result	Units	Qlfr
	630206	1,1,1,2-Tetrachloroethane	1.00	ug/L	UJ
	71556	1,1,1-Trichloroethane	1.00	ug/L	UJ
	79005	1,1,2-Trichloroethane	1.00	ug/L	U
	75343	1,1-Dichloroethane	1.00	ug/L	UJ
	75354	1,1-dichloroethene	1.00	ug/L	U
	107062	1,2-Dichloroethane	1.00	ug/L	U
	156592	cis-1,2-Dichloroethene	1.00	ug/L	UJ
	79345	Ethane, 1,1,2,2-tetrachl	1.00	ug/L	U
	79016	**Ethene, trichloro-**	**17.1**	**ug/L**	**J**
	127184	**Tetrachloroethene**	**0.88**	**ug/L**	**J**
	156605	trans-1,2-Dichloroethene	1.00	ug/L	U
	75014	Vinyl Chloride	1.00	ug/L	U

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Project Code: FSP-005A
Project Name: COEUR d'ALENE
Project Officer: MARK ADER
Account Code: 96T10PTFA10Q6LA00
Station Description: CP07GC12

Collected: 5/23/96 15:49
Matrix: Air
Sample Number: 96213844
Type: Reg sample

GCMS

Parameter : Volatiles
Method : 8260-M
Prep Method:
Analytes :

		Result	Units	Qlfr
513882	1,1-Dichloropropanone			REJ
630206	1,1,1,2-Tetrachloroethane	0.052	ug/L	U
71556	**1,1,1-Trichloroethane**	**0.011**	**ug/L**	**J**
79005	1,1,2-Trichloroethane	0.052	ug/L	U
75343	1,1-Dichloroethane	0.052	ug/L	U
75354	1,1-dichloroethene	0.052	ug/L	U
563586	1,1-Dichloropropene	0.052	ug/L	U
87616	1,2,3-Trichlorobenzene	0.13	ug/L	U
96184	1,2,3-Trichloropropane	0.052	ug/L	U
120821	1,2,4-Trichlorobenzene	0.13	ug/L	U
96128	1,2-Dibromo-3-chloropropane	0.052	ug/L	U
106934	1,2-Dibromoethane	0.052	ug/L	U
95501	1,2-Dichlorobenzene	0.052	ug/L	U
107062	1,2-Dichloroethane	0.052	ug/L	U
78875	1,2-Dichloropropane	0.052	ug/L	U
541731	1,3-Dichlorobenzene	0.052	ug/L	U
142289	1,3-Dichloropropane	0.052	ug/L	U
106467	1,4-Dichlorobenzene	0.052	ug/L	U
109693	1-Chlorobutane	0.052	ug/L	U
594207	2,2-Dichloropropane	0.052	ug/L	U
78933	2-Butanone	0.26	ug/L	U
95498	2-Chlorotoluene	0.052	ug/L	U
591786	2-Hexanone	0.10	ug/L	U
79469	2-Nitropropane	0.052	ug/L	U
108101	2-Pentanone, 4-methyl-	0.10	ug/L	U
106434	4-Chlorotoluene	0.052	ug/L	U
67641	Acetone	0.26	ug/L	U
107131	Acrylonitrile	0.13	ug/L	UJ
107051	Allyl Chloride	0.052	ug/L	U
71432	Benzene	0.052	ug/L	U
98828	Benzene, (1-methylethyl)	0.052	ug/L	U
95636	Benzene, 1,2,4-trimethyl	0.052	ug/L	U
95476	Benzene, 1,2-dimethyl-	0.052	ug/L	U
108678	Benzene, 1,3,5-trimethyl	0.052	ug/L	U
99876	Benzene, 1-methyl-4-(1-m	0.052	ug/L	U
100414	Benzene, ethyl-	0.052	ug/L	U

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			Result	Units	Qlfr
Analytes	: 108861	Bromobenzene	0.052	ug/L	U
	74975	Bromochloromethane	0.052	ug/L	U
	75274	Bromodichloromethane	0.052	ug/L	U
	75252	Bromoform	0.052	ug/L	U
	74839	Bromomethane	0.052	ug/L	U
	75150	Carbon Disulfide	0.10	ug/L	U
	56235	Carbon Tetrachloride	0.052	ug/L	U
	107142	Chloroacetonitrile	0.13	ug/L	UJ
	108907	Chlorobenzene	0.052	ug/L	U
	75003	Chloroethane	0.052	ug/L	U
	67663	**Chloroform**	**0.018**	**ug/L**	**J**
	74873	Chloromethane	0.052	ug/L	U
	156592	cis-1,2-Dichloroethene	0.052	ug/L	U
	10061015	Cis-1,3-Dichloropropene	0.055	ug/L	U
	124481	Dibromochloromethane	0.052	ug/L	U
	74953	Dibromomethane	0.052	ug/L	U
	75718	Dichlorodifluoromethane	0.052	ug/L	U
	60297	Diethyl ether	0.052	ug/L	U
	79345	Ethane, 1,1,2,2-tetrachl	0.052	ug/L	U
	79016	**Ethene, trichloro-**	**12.2**	**ug/L**	
	97632	Ethylmethacrylate	0.052	ug/L	U
	76131	Freon 113	0.052	ug/L	U
	87683	Hexachlorobutadiene	0.13	ug/L	U
	67721	Hexachloroethane	0.052	ug/L	U
	126987	Methacrylonitrile	0.052	ug/L	U
	75092	Methane, dichloro-	0.052	ug/L	U
	96333	Methyl acrylate	0.052	ug/L	U
	74884	Methyl Iodide	0.052	ug/L	U
	80626	Methyl Methacrylate	0.052	ug/L	U
	*1330207	MP-Xylene	0.10	ug/L	U
	104518	n-Butylbenzene	0.052	ug/L	U
	103651	n-Propylbenzene	0.052	ug/L	U
	91203	Naphthalene	0.13	ug/L	U
	76017	Pentachloroethane	0.052	ug/L	U
	1634044	Propane, 2-methoxy-2-met	0.052	ug/L	U
	135988	sec-Butylbenzene	0.052	ug/L	U
	100425	Styrene	0.13	ug/L	U
	98066	Tert-butylbenzene	0.052	ug/L	U
	127184	**Tetrachloroethene**	**0.081**	**ug/L**	
	109999	Tetrahydrofuran	0.052	ug/L	UJ
	108883	**Toluene**	**0.010**	**ug/L**	**J**
	156605	trans-1,2-Dichloroethene	0.052	ug/L	U
	10061026	Trans-1,3-Dichloropropene	0.049	ug/L	U
	110576	trans-1,4-Dichloro-2-butene	0.052	ug/L	U
	75694	Trichlorofluoromethane	0.052	ug/L	U
	75014	Vinyl Chloride	0.052	ug/L	U
	2199691	1,2-Dichlorobenzene-d4	100	%Rec	
	17060070	1,2-Dichloroethane-d4	108	%Rec	

96213844 Reg sample

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			Result	Units	Qlfr
Analytes	: 540363	Benzene, 1,4-difluoro-	101	%Rec	
	460004	p-Bromofluorobenzene	95	%Rec	
	2037265	Toluene-d8	101	%Rec	

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Project Code: FSP-005A
Project Name: COEUR d'ALENE
Project Officer: MARK ADER
Account Code: 96T10PTFA10Q6LA00
Station Description: HNU: 0.2 ppm

Collected: 15:43
Matrix: Air
Sample Number: 96213845
Type: Reg sample

FASP

Parameter : Volatiles
Method :
Prep Method:

Analytes		Result	Units	Qlfr
630206	1,1,1,2-Tetrachloroethane	0.10	ug/L	UJ
71556	1,1,1-Trichloroethane	0.10	ug/L	UJ
79005	1,1,2-Trichloroethane	0.10	ug/L	U
75343	1,1-Dichloroethane	0.10	ug/L	UJ
75354	1,1-dichloroethene	0.10	ug/L	U
107062	1,2-Dichloroethane	0.10	ug/L	U
156592	cis-1,2-Dichloroethene	0.10	ug/L	UJ
79345	Ethane, 1,1,2,2-tetrachl	0.10	ug/L	U
79016	**Ethene, trichloro-**	**1.15**	**ug/L**	**J**
127184	Tetrachloroethene	0.10	ug/L	UJ
156605	trans-1,2-Dichloroethene	0.10	ug/L	U
75014	Vinyl Chloride	0.10	ug/L	U

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Project Code:	FSP-005A	**Collected:**	16:35
Project Name:	COEUR d'ALENE	**Matrix:**	Air
Project Officer:	MARK ADER	**Sample Number:**	96213846
Account Code:	96T10PTFA10Q6LA00	**Type:**	Reg sample
Station Description:	HNU: 2.4 ppm		

FASP

Parameter : Volatiles
Method :
Prep Method:

Analytes			**Result**	**Units**	**Qlfr**
	630206	1,1,1,2-Tetrachloroethane	0.10	ug/L	UJ
	71556	1,1,1-Trichloroethane	0.10	ug/L	UJ
	79005	1,1,2-Trichloroethane	0.10	ug/L	U
	75343	1,1-Dichloroethane	0.10	ug/L	UJ
	75354	1,1-dichloroethene	0.10	ug/L	U
	107062	1,2-Dichloroethane	0.10	ug/L	U
	156592	cis-1,2-Dichloroethene	0.10	ug/L	UJ
	79345	Ethane, 1,1,2,2-tetrachl	0.10	ug/L	U
	79016	**Ethene, trichloro-**	**5.15**	**ug/L**	**J**
	127184	Tetrachloroethene	0.10	ug/L	UJ
	156605	trans-1,2-Dichloroethene	0.10	ug/L	U
	75014	Vinyl Chloride	0.10	ug/L	U

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Project Code: FSP-005A
Project Name: COEUR d'ALENE
Project Officer: MARK ADER
Account Code: 96T10PTFA10Q6LA00
Station Description: HNU: Background

Collected: 17:18
Matrix: Solid
Sample Number: 96213847
Type: Reg sample

FASP

Parameter : Volatiles
Method :
Prep Method:

Analytes		Result	Units	Qlfr
630206	1,1,1,2-Tetrachloroethane	0.97	ug/Kg	U
71556	1,1,1-Trichloroethane	0.97	ug/Kg	U
79005	1,1,2-Trichloroethane	0.97	ug/Kg	U
75343	1,1-Dichloroethane	0.97	ug/Kg	U
75354	1,1-dichloroethene	0.97	ug/Kg	U
107062	1,2-Dichloroethane	0.97	ug/Kg	U
156592	cis-1,2-Dichloroethene	0.97	ug/Kg	U
79345	Ethane, 1,1,2,2-tetrachl	0.97	ug/Kg	U
79016	Ethene, trichloro-	0.97	ug/Kg	U
127184	Tetrachloroethene	0.97	ug/Kg	U
156605	trans-1,2-Dichloroethene	0.97	ug/Kg	U
75014	Vinyl Chloride	0.97	ug/Kg	U

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Project Code:	FSP-005A	**Collected:**	18:03
Project Name:	COEUR d'ALENE	**Matrix:**	Solid
Project Officer:	MARK ADER	**Sample Number:**	96213848
Account Code:	96T10PTFA10Q6LA00	**Type:**	Reg sample
Station Description:	HNU: Background		

FASP

Parameter : Volatiles
Method :
Prep Method:

Analytes			Result	Units	Qlfr
	630206	1,1,1,2-Tetrachloroethane	0.94	ug/Kg	U
	71556	1,1,1-Trichloroethane	0.94	ug/Kg	U
	79005	1,1,2-Trichloroethane	0.94	ug/Kg	U
	75343	1,1-Dichloroethane	0.94	ug/Kg	U
	75354	1,1-dichloroethene	0.94	ug/Kg	U
	107062	1,2-Dichloroethane	0.94	ug/Kg	U
	156592	cis-1,2-Dichloroethene	0.94	ug/Kg	U
	79345	Ethane, 1,1,2,2-tetrachl	0.94	ug/Kg	U
	79016	**Ethene, trichloro-**	**0.17**	**ug/Kg**	**J**
	127184	Tetrachloroethene	0.94	ug/Kg	U
	156605	trans-1,2-Dichloroethene	0.94	ug/Kg	U
	75014	Vinyl Chloride	0.94	ug/Kg	U

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Project Code: FSP-005A
Project Name: COEUR d'ALENE
Project Officer: MARK ADER
Account Code: 96T10PTFA10Q6LA00
Station Description: Field duplicate fro DE25SB10

Collected: 18:03
Matrix: Solid
Sample Number: 96213849
Type: Reg sample

FASP

Parameter : Volatiles
Method :
Prep Method:

Analytes			Result	Units	Qlfr
	630206	1,1,1,2-Tetrachloroethane	1.0	ug/Kg	U
	71556	1,1,1-Trichloroethane	1.0	ug/Kg	U
	79005	1,1,2-Trichloroethane	1.0	ug/Kg	U
	75343	1,1-Dichloroethane	1.0	ug/Kg	U
	75354	1,1-dichloroethene	1.0	ug/Kg	U
	107062	1,2-Dichloroethane	1.0	ug/Kg	U
	156592	cis-1,2-Dichloroethene	1.0	ug/Kg	U
	79345	Ethane, 1,1,2,2-tetrachl	1.0	ug/Kg	U
	79016	**Ethene, trichloro-**	**3.0**	**ug/Kg**	
	127184	**Tetrachloroethene**	**1.7**	**ug/Kg**	
	156605	trans-1,2-Dichloroethene	1.0	ug/Kg	U
	75014	Vinyl Chloride	1.0	ug/Kg	U

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Project Code:	FSP-005A	**Collected:**	18:21
Project Name:	COEUR d'ALENE	**Matrix:**	Liquid-Total
Project Officer:	MARK ADER	**Sample Number:**	96213850
Account Code:	96T10PTFA10Q6LA00	**Type:**	Reg sample
Station Description:	Decon Water		

FASP

Parameter : Volatiles
Method :
Prep Method:

Analytes			Result	Units	Qlfr
	630206	1,1,1,2-Tetrachloroethane	25	ug/L	UJ
	71556	1,1,1-Trichloroethane	25	ug/L	UJ
	79005	1,1,2-Trichloroethane	25	ug/L	U
	75343	1,1-Dichloroethane	25	ug/L	UJ
	75354	1,1-dichloroethene	25	ug/L	U
	107062	1,2-Dichloroethane	25	ug/L	U
	156592	cis-1,2-Dichloroethene	25	ug/L	UJ
	79345	Ethane, 1,1,2,2-tetrachl	25	ug/L	U
	79016	Ethene, trichloro-	25	ug/L	UJ
	127184	Tetrachloroethene	25	ug/L	UJ
	156605	trans-1,2-Dichloroethene	25	ug/L	U
	75014	Vinyl Chloride	25	ug/L	U

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Project Code: FSP-005A
Project Name: COEUR d'ALENE
Project Officer: MARK ADER
Account Code: 96T10PTFA10Q6LA00
Station Description:

Collected:
Matrix: Solid
Sample Number: DBS6150
Type: Blank

GCMS

Parameter : Volatiles
Method : 8260-M
Prep Method:

Analytes		Result	Units	Qlfr
630206	1,1,1,2-Tetrachloroethane	1.0	ug/kg	U
71556	1,1,1-Trichloroethane	1.0	ug/kg	U
79005	1,1,2-Trichloroethane	1.0	ug/kg	U
75343	1,1-Dichloroethane	1.0	ug/kg	U
75354	1,1-dichloroethene	1.0	ug/kg	U
107062	1,2-Dichloroethane	1.0	ug/kg	U
156592	cis-1,2-Dichloroethene	1.0	ug/kg	U
79345	Ethane, 1,1,2,2-tetrachl	1.0	ug/kg	U
79016	Ethene, trichloro-	1.0	ug/kg	U
127184	Tetrachloroethene	1.0	ug/kg	U
156605	trans-1,2-Dichloroethene	1.0	ug/kg	U
75014	Vinyl Chloride	1.0	ug/kg	U
2199691	1,2-Dichlorobenzene-d4	107	%Rec	
17060070	1,2-Dichloroethane-d4	127	%Rec	
540363	Benzene, 1,4-difluoro-	99	%Rec	
460004	p-Bromofluorobenzene	95	%Rec	
2037265	Toluene-d8	100	%Rec	

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Project Code: FSP-005A
Project Name: COEUR d'ALENE
Project Officer: MARK ADER
Account Code: 96T10PTFA10Q6LA00
Station Description:

Collected:
Matrix: Solid
Sample Number: DBS6151
Type: Blank

GCMS

Parameter : Volatiles
Method : 8260-M
Prep Method:

Analytes		Result	Units	Qlfr
630206	1,1,1,2-Tetrachloroethane	1.0	ug/kg	U
71556	1,1,1-Trichloroethane	1.0	ug/kg	U
79005	1,1,2-Trichloroethane	1.0	ug/kg	U
75343	1,1-Dichloroethane	1.0	ug/kg	U
75354	1,1-dichloroethene	1.0	ug/kg	U
107062	1,2-Dichloroethane	1.0	ug/kg	U
156592	cis-1,2-Dichloroethene	1.0	ug/kg	U
79345	Ethane, 1,1,2,2-tetrachl	1.0	ug/kg	U
79016	Ethene, trichloro-	1.0	ug/kg	U
127184	Tetrachloroethene	1.0	ug/kg	U
156605	trans-1,2-Dichloroethene	1.0	ug/kg	U
75014	Vinyl Chloride	1.0	ug/kg	U
2199691	1,2-Dichlorobenzene-d4	106	%Rec	
17060070	1,2-Dichloroethane-d4	110	%Rec	
540363	Benzene, 1,4-difluoro-	99	%Rec	
460004	p-Bromofluorobenzene	99	%Rec	
2037265	Toluene-d8	100	%Rec	

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Project Code: FSP-005A
Project Name: COEUR d'ALENE
Project Officer: MARK ADER
Account Code: 96T10PTFA10Q6LA00
Station Description:

Collected:
Matrix: Solid
Sample Number: IBS6201
Type: Blank

GCMS

Parameter : Volatiles
Method : UNSPECIFI
Prep Method:

Analytes		Result	Units	Qlfr
630206	1,1,1,2-Tetrachloroethane	2.0	ug/Kg	U
71556	1,1,1-Trichloroethane	2.0	ug/Kg	U
79005	1,1,2-Trichloroethane	2.0	ug/Kg	U
75343	1,1-Dichloroethane	2.0	ug/Kg	U
75354	1,1-dichloroethene	2.0	ug/Kg	U
563586	1,1-Dichloropropene	2.0	ug/Kg	U
87616	1,2,3-Trichlorobenzene	10.0	ug/Kg	U
96184	1,2,3-Trichloropropane	4.0	ug/Kg	U
120821	1,2,4-Trichlorobenzene	4.0	ug/Kg	U
96128	1,2-Dibromo-3-chloropropane	4.0	ug/Kg	U
106934	1,2-Dibromoethane	2.0	ug/Kg	U
95501	1,2-Dichlorobenzene	4.0	ug/Kg	U
107062	1,2-Dichloroethane	2.0	ug/Kg	U
78875	1,2-Dichloropropane	2.0	ug/Kg	U
541731	1,3-Dichlorobenzene	4.0	ug/Kg	U
142289	1,3-Dichloropropane	2.0	ug/Kg	U
106467	1,4-Dichlorobenzene	4.0	ug/Kg	U
594207	2,2-Dichloropropane	4.0	ug/Kg	U
78933	2-Butanone	40.2	ug/Kg	U
95498	2-Chlorotoluene	2.0	ug/Kg	U
591786	2-Hexanone	10.0	ug/Kg	U
108101	2-Pentanone, 4-methyl-	4.0	ug/Kg	U
106434	4-Chlorotoluene	2.0	ug/Kg	U
67641	**Acetone**	**42.2**	**ug/Kg**	**J**
71432	Benzene	2.0	ug/Kg	U
98828	Benzene, (1-methylethyl)	2.0	ug/Kg	U
95636	**Benzene, 1,2,4-trimethyl**	**4.0**	**ug/Kg**	**J**
95476	Benzene, 1,2-dimethyl-	2.0	ug/Kg	U
108678	Benzene, 1,3,5-trimethyl	4.0	ug/Kg	U
99876	Benzene, 1-methyl-4-(1-m	4.0	ug/Kg	U
100414	Benzene, ethyl-	2.0	ug/Kg	U
108861	Bromobenzene	4.0	ug/Kg	U
74975	Bromochloromethane	2.0	ug/Kg	U
75274	Bromodichloromethane	2.0	ug/Kg	U
75252	Bromoform	4.0	ug/Kg	U
74839	Bromomethane	2.0	ug/Kg	U

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			Result	Units	Qlfr
Analytes	: 75150	Carbon Disulfide	8.0	ug/Kg	U
	56235	Carbon Tetrachloride	2.0	ug/Kg	U
	108907	Chlorobenzene	2.0	ug/Kg	U
	75003	Chloroethane	2.0	ug/Kg	U
	67663	Chloroform	2.0	ug/Kg	U
	74873	Chloromethane	2.0	ug/Kg	U
	156592	cis-1,2-Dichloroethene	2.0	ug/Kg	U
	10061015	Cis-1,3-Dichloropropene	2.1	ug/Kg	U
	124481	Dibromochloromethane	2.0	ug/Kg	U
	74953	Dibromomethane	2.0	ug/Kg	U
	75718	Dichlorodifluoromethane	2.0	ug/Kg	U
	79345	Ethane, 1,1,2,2-tetrachl	4.0	ug/Kg	U
	79016	Ethene, trichloro-	2.0	ug/Kg	U
	87683	Hexachlorobutadiene	4.0	ug/Kg	U
	75092	Methane, dichloro-	10.0	ug/Kg	U
	*1330207	MP-Xylene	4.0	ug/Kg	U
	104518	n-Butylbenzene	4.0	ug/Kg	U
	103651	n-Propylbenzene	2.0	ug/Kg	U
	91203	Naphthalene	10.0	ug/Kg	U
	135988	sec-Butylbenzene	2.0	ug/Kg	U
	100425	Styrene	2.0	ug/Kg	U
	98066	Tert-butylbenzene	4.0	ug/Kg	U
	127184	Tetrachloroethene	2.0	ug/Kg	U
	108883	Toluene	2.0	ug/Kg	U
	1330207	Total Xylenes	4.0	ug/Kg	U
	156605	trans-1,2-Dichloroethene	2.0	ug/Kg	U
	10061026	Trans-1,3-Dichloropropene	1.9	ug/Kg	U
	75694	Trichlorofluoromethane	20.1	ug/Kg	U
	75014	Vinyl Chloride	2.0	ug/Kg	U
	2199691	1,2-Dichlorobenzene-d4	99	%Rec	
	17060070	1,2-Dichloroethane-d4	117	%Rec	
	540363	Benzene, 1,4-difluoro-	98	%Rec	
	460004	p-Bromofluorobenzene	102	%Rec	
	2037265	Toluene-d8	98	%Rec	

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Project Code: FSP-005A
Project Name: COEUR d'ALENE
Project Officer: MARK ADER
Account Code: 96T10PTFA10Q6LA00
Station Description:

Collected:
Matrix: Air
Sample Number: KBG6155
Type: Blank

GCMS

Parameter : Volatiles
Method : 8260-M
Prep Method:

Analytes		Result	Units	Qlfr
513882	1,1-Dichloropropanone			REJ
630206	1,1,1,2-Tetrachloroethane	0.02	ug/L	U
71556	1,1,1-Trichloroethane	0.02	ug/L	U
79005	1,1,2-Trichloroethane	0.02	ug/L	U
75343	1,1-Dichloroethane	0.02	ug/L	U
75354	1,1-dichloroethene	0.02	ug/L	U
563586	1,1-Dichloropropene	0.02	ug/L	U
87616	**1,2,3-Trichlorobenzene**	**0.061**	**ug/L**	
96184	1,2,3-Trichloropropane	0.02	ug/L	U
120821	1,2,4-Trichlorobenzene	0.05	ug/L	U
96128	1,2-Dibromo-3-chloropropane	0.02	ug/L	U
106934	1,2-Dibromoethane	0.02	ug/L	U
95501	1,2-Dichlorobenzene	0.02	ug/L	U
107062	1,2-Dichloroethane	0.02	ug/L	U
78875	1,2-Dichloropropane	0.02	ug/L	U
541731	1,3-Dichlorobenzene	0.02	ug/L	U
142289	1,3-Dichloropropane	0.02	ug/L	U
106467	1,4-Dichlorobenzene	0.02	ug/L	U
109693	1-Chlorobutane	0.02	ug/L	U
594207	2,2-Dichloropropane	0.02	ug/L	U
78933	2-Butanone	0.1	ug/L	U
95498	2-Chlorotoluene	0.02	ug/L	U
591786	2-Hexanone	0.04	ug/L	U
79469	2-Nitropropane	0.02	ug/L	U
108101	2-Pentanone, 4-methyl-	0.04	ug/L	U
106434	4-Chlorotoluene	0.02	ug/L	U
67641	Acetone	0.1	ug/L	U
107131	Acrylonitrile	0.05	ug/L	U
107051	Allyl Chloride	0.02	ug/L	U
71432	Benzene	0.02	ug/L	U
98828	Benzene, (1-methylethyl)	0.02	ug/L	U
95636	Benzene, 1,2,4-trimethyl	0.02	ug/L	U
95476	Benzene, 1,2-dimethyl-	0.02	ug/L	U
108678	Benzene, 1,3,5-trimethyl	0.02	ug/L	U
99876	Benzene, 1-methyl-4-(1-m	0.02	ug/L	U
100414	Benzene, ethyl-	0.02	ug/L	U

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			Result	Units	Qlfr
Analytes	: 108861	Bromobenzene	0.02	ug/L	U
	74975	Bromochloromethane	0.02	ug/L	U
	75274	Bromodichloromethane	0.02	ug/L	U
	75252	Bromoform	0.02	ug/L	U
	74839	Bromomethane	0.02	ug/L	U
	75150	Carbon Disulfide	0.04	ug/L	U
	56235	Carbon Tetrachloride	0.02	ug/L	U
	107142	Chloroacetonitrile	0.05	ug/L	U
	108907	Chlorobenzene	0.02	ug/L	U
	75003	Chloroethane	0.02	ug/L	U
	67663	Chloroform	0.02	ug/L	U
	74873	Chloromethane	0.02	ug/L	U
	156592	cis-1,2-Dichloroethene	0.02	ug/L	U
	10061015	Cis-1,3-Dichloropropene	0.021	ug/L	U
	124481	Dibromochloromethane	0.02	ug/L	U
	74953	Dibromomethane	0.02	ug/L	U
	75718	Dichlorodifluoromethane	0.02	ug/L	U
	60297	Diethyl ether	0.02	ug/L	U
	79345	Ethane, 1,1,2,2-tetrachl	0.02	ug/L	U
	79016	Ethene, trichloro-	0.02	ug/L	U
	97632	Ethylmethacrylate	0.02	ug/L	U
	76131	Freon 113	0.02	ug/L	U
	87683	Hexachlorobutadiene	0.05	ug/L	U
	67721	Hexachloroethane	0.02	ug/L	U
	126987	Methacrylonitrile	0.02	ug/L	U
	75092	Methane, dichloro-	0.02	ug/L	U
	96333	Methyl acrylate	0.02	ug/L	U
	74884	Methyl Iodide	0.02	ug/L	U
	80626	Methyl Methacrylate	0.02	ug/L	U
	*1330207	MP-Xylene	0.04	ug/L	U
	104518	n-Butylbenzene	0.02	ug/L	U
	103651	n-Propylbenzene	0.02	ug/L	U
	91203	**Naphthalene**	**0.05**	**ug/L**	
	76017	Pentachloroethane	0.02	ug/L	U
	1634044	Propane, 2-methoxy-2-met	0.02	ug/L	U
	135988	sec-Butylbenzene	0.02	ug/L	U
	100425	Styrene	0.02	ug/L	U
	98066	Tert-butylbenzene	0.02	ug/L	U
	127184	Tetrachloroethene	0.02	ug/L	U
	109999	Tetrahydrofuran	0.02	ug/L	U
	108883	Toluene	0.02	ug/L	U
	156605	trans-1,2-Dichloroethene	0.02	ug/L	U
	10061026	Trans-1,3-Dichloropropene	0.019	ug/L	U
	110576	trans-1,4-Dichloro-2-butene	0.02	ug/L	U
	75694	Trichlorofluoromethane	0.02	ug/L	U
	75014	Vinyl Chloride	0.02	ug/L	U
	2199691	1,2-Dichlorobenzene-d4	99	%Rec	
	17060070	1,2-Dichloroethane-d4	97	%Rec	

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			Result	Units	Qlfr
Analytes	: 540363	Benzene, 1,4-difluoro-	99	%Rec	
	460004	p-Bromofluorobenzene	94	%Rec	
	2037265	Toluene-d8	103	%Rec	

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Project Code: FSP-005A
Project Name: COEUR d'ALENE
Project Officer: MARK ADER
Account Code: 96T10PTFA10Q6LA00
Station Description:

Collected:
Matrix: Air
Sample Number: KBG6156
Type: Blank

GCMS

Parameter : Volatiles
Method : 8260-M
Prep Method:
Analytes :

		Result	Units	Qlfr
513882	1,1-Dichloropropanone			REJ
630206	1,1,1,2-Tetrachloroethane	0.02	ug/L	U
71556	1,1,1-Trichloroethane	0.02	ug/L	U
79005	1,1,2-Trichloroethane	0.02	ug/L	U
75343	1,1-Dichloroethane	0.02	ug/L	U
75354	1,1-dichloroethene	0.02	ug/L	U
563586	1,1-Dichloropropene	0.02	ug/L	U
87616	1,2,3-Trichlorobenzene	0.05	ug/L	U
96184	1,2,3-Trichloropropane	0.02	ug/L	U
120821	1,2,4-Trichlorobenzene	0.05	ug/L	U
96128	1,2-Dibromo-3-chloropropane	0.02	ug/L	U
106934	1,2-Dibromoethane	0.02	ug/L	U
95501	1,2-Dichlorobenzene	0.02	ug/L	U
107062	1,2-Dichloroethane	0.02	ug/L	U
78875	1,2-Dichloropropane	0.02	ug/L	U
541731	1,3-Dichlorobenzene	0.02	ug/L	U
142289	1,3-Dichloropropane	0.02	ug/L	U
106467	1,4-Dichlorobenzene	0.02	ug/L	U
109693	1-Chlorobutane	0.02	ug/L	U
594207	2,2-Dichloropropane	0.02	ug/L	U
78933	2-Butanone	0.1	ug/L	U
95498	2-Chlorotoluene	0.02	ug/L	U
591786	2-Hexanone	0.04	ug/L	U
79469	2-Nitropropane	0.02	ug/L	U
108101	2-Pentanone, 4-methyl-	0.04	ug/L	U
106434	4-Chlorotoluene	0.02	ug/L	U
67641	Acetone	0.1	ug/L	U
107131	Acrylonitrile	0.05	ug/L	U
107051	Allyl Chloride	0.02	ug/L	U
71432	Benzene	0.02	ug/L	U
98828	Benzene, (1-methylethyl)	0.02	ug/L	U
95636	Benzene, 1,2,4-trimethyl	0.02	ug/L	U
95476	Benzene, 1,2-dimethyl-	0.02	ug/L	U
108678	Benzene, 1,3,5-trimethyl	0.02	ug/L	U
99876	Benzene, 1-methyl-4-(1-m	0.02	ug/L	U
100414	Benzene, ethyl-	0.02	ug/L	U

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			Result	Units	Qlfr
Analytes	: 108861	Bromobenzene	0.02	ug/L	U
	74975	Bromochloromethane	0.02	ug/L	U
	75274	Bromodichloromethane	0.02	ug/L	U
	75252	Bromoform	0.02	ug/L	U
	74839	Bromomethane	0.02	ug/L	U
	75150	Carbon Disulfide	0.04	ug/L	U
	56235	Carbon Tetrachloride	0.02	ug/L	U
	107142	Chloroacetonitrile	0.05	ug/L	U
	108907	Chlorobenzene	0.02	ug/L	U
	75003	Chloroethane	0.02	ug/L	U
	67663	Chloroform	0.02	ug/L	U
	74873	Chloromethane	0.02	ug/L	U
	156592	cis-1,2-Dichloroethene	0.02	ug/L	U
	10061015	Cis-1,3-Dichloropropene	0.021	ug/L	U
	124481	Dibromochloromethane	0.02	ug/L	U
	74953	Dibromomethane	0.02	ug/L	U
	75718	Dichlorodifluoromethane	0.02	ug/L	U
	60297	Diethyl ether	0.02	ug/L	U
	79345	Ethane, 1,1,2,2-tetrachl	0.02	ug/L	U
	79016	Ethene, trichloro-	0.02	ug/L	U
	97632	Ethylmethacrylate	0.02	ug/L	U
	76131	Freon 113	0.02	ug/L	U
	87683	Hexachlorobutadiene	0.05	ug/L	U
	67721	Hexachloroethane	0.02	ug/L	U
	126987	Methacrylonitrile	0.02	ug/L	U
	75092	Methane, dichloro-	0.02	ug/L	U
	96333	Methyl acrylate	0.02	ug/L	U
	74884	Methyl Iodide	0.02	ug/L	U
	80626	Methyl Methacrylate	0.02	ug/L	U
	*1330207	MP-Xylene	0.04	ug/L	U
	104518	n-Butylbenzene	0.02	ug/L	U
	103651	n-Propylbenzene	0.02	ug/L	U
	91203	Naphthalene	0.05	ug/L	U
	76017	Pentachloroethane	0.02	ug/L	U
	1634044	Propane, 2-methoxy-2-met	0.02	ug/L	U
	135988	sec-Butylbenzene	0.02	ug/L	U
	100425	Styrene	0.02	ug/L	U
	98066	Tert-butylbenzene	0.02	ug/L	U
	127184	Tetrachloroethene	0.02	ug/L	U
	109999	Tetrahydrofuran	0.02	ug/L	U
	108883	Toluene	0.02	ug/L	U
	156605	trans-1,2-Dichloroethene	0.02	ug/L	U
	10061026	Trans-1,3-Dichloropropene	0.019	ug/L	U
	110576	trans-1,4-Dichloro-2-butene	0.02	ug/L	U
	75694	Trichlorofluoromethane	0.02	ug/L	U
	75014	Vinyl Chloride	0.02	ug/L	U
	2199691	1,2-Dichlorobenzene-d4	99	%Rec	
	17060070	1,2-Dichloroethane-d4	105	%Rec	

KBG6156 Blank

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			Result	Units	Qlfr
Analytes	: 540363	Benzene, 1,4-difluoro-	101	%Rec	
	460004	p-Bromofluorobenzene	94	%Rec	
	2037265	Toluene-d8	100	%Rec	

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Project Code: FSP-005A
Project Name: COEUR d'ALENE
Project Officer: MARK ADER
Account Code: 96T10PTFA10Q6LA00
Station Description:

Collected:
Matrix: Air
Sample Number: KBG6157
Type: Blank

GCMS

Parameter : Volatiles
Method : 8260-M
Prep Method:

Analytes		Result	Units	Qlfr
513882	1,1-Dichloropropanone			REJ
630206	1,1,1,2-Tetrachloroethane	0.02	ug/L	U
71556	1,1,1-Trichloroethane	0.02	ug/L	U
79005	1,1,2-Trichloroethane	0.02	ug/L	U
75343	1,1-Dichloroethane	0.02	ug/L	U
75354	1,1-dichloroethene	0.02	ug/L	U
563586	1,1-Dichloropropene	0.02	ug/L	U
87616	1,2,3-Trichlorobenzene	0.05	ug/L	U
96184	1,2,3-Trichloropropane	0.02	ug/L	U
120821	1,2,4-Trichlorobenzene	0.05	ug/L	U
96128	1,2-Dibromo-3-chloropropane	0.02	ug/L	U
106934	1,2-Dibromoethane	0.02	ug/L	U
95501	1,2-Dichlorobenzene	0.02	ug/L	U
107062	1,2-Dichloroethane	0.02	ug/L	U
78875	1,2-Dichloropropane	0.02	ug/L	U
541731	1,3-Dichlorobenzene	0.02	ug/L	U
142289	1,3-Dichloropropane	0.02	ug/L	U
106467	1,4-Dichlorobenzene	0.02	ug/L	U
109693	1-Chlorobutane	0.02	ug/L	U
594207	2,2-Dichloropropane	0.02	ug/L	U
78933	2-Butanone	0.1	ug/L	U
95498	2-Chlorotoluene	0.02	ug/L	U
591786	2-Hexanone	0.04	ug/L	U
79469	2-Nitropropane	0.02	ug/L	U
108101	2-Pentanone, 4-methyl-	0.04	ug/L	U
106434	4-Chlorotoluene	0.02	ug/L	U
67641	Acetone	0.04	ug/L	U
107131	Acrylonitrile	0.05	ug/L	U
107051	Allyl Chloride	0.02	ug/L	U
71432	Benzene	0.02	ug/L	U
98828	Benzene, (1-methylethyl)	0.02	ug/L	U
95636	Benzene, 1,2,4-trimethyl	0.02	ug/L	U
95476	Benzene, 1,2-dimethyl-	0.02	ug/L	U
108678	Benzene, 1,3,5-trimethyl	0.02	ug/L	U
99876	Benzene, 1-methyl-4-(1-m	0.02	ug/L	U
100414	Benzene, ethyl-	0.02	ug/L	U

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			Result	Units	Qlfr
Analytes	: 108861	Bromobenzene	0.02	ug/L	U
	74975	Bromochloromethane	0.02	ug/L	U
	75274	Bromodichloromethane	0.02	ug/L	U
	75252	Bromoform	0.02	ug/L	U
	74839	Bromomethane	0.02	ug/L	U
	75150	Carbon Disulfide	0.04	ug/L	U
	56235	Carbon Tetrachloride	0.02	ug/L	U
	107142	Chloroacetonitrile	0.05	ug/L	U
	108907	Chlorobenzene	0.02	ug/L	U
	75003	Chloroethane	0.02	ug/L	U
	67663	Chloroform	0.02	ug/L	U
	74873	Chloromethane	0.02	ug/L	U
	156592	cis-1,2-Dichloroethene	0.02	ug/L	U
	10061015	Cis-1,3-Dichloropropene	0.021	ug/L	U
	124481	Dibromochloromethane	0.02	ug/L	U
	74953	Dibromomethane	0.02	ug/L	U
	75718	Dichlorodifluoromethane	0.02	ug/L	U
	60297	Diethyl ether	0.02	ug/L	U
	79345	Ethane, 1,1,2,2-tetrachl	0.02	ug/L	U
	79016	Ethene, trichloro-	0.02	ug/L	U
	97632	Ethylmethacrylate	0.02	ug/L	U
	76131	Freon 113	0.02	ug/L	U
	87683	Hexachlorobutadiene	0.05	ug/L	U
	67721	Hexachloroethane	0.02	ug/L	U
	126987	Methacrylonitrile	0.02	ug/L	U
	75092	Methane, dichloro-	0.02	ug/L	U
	96333	Methyl acrylate	0.02	ug/L	U
	74884	Methyl Iodide	0.02	ug/L	U
	80626	Methyl Methacrylate	0.02	ug/L	U
	*1330207	MP-Xylene	0.04	ug/L	U
	104518	n-Butylbenzene	0.02	ug/L	U
	103651	n-Propylbenzene	0.02	ug/L	U
	91203	Naphthalene	0.05	ug/L	U
	76017	Pentachloroethane	0.02	ug/L	U
	1634044	Propane, 2-methoxy-2-met	0.02	ug/L	U
	135988	sec-Butylbenzene	0.02	ug/L	U
	100425	Styrene	0.02	ug/L	U
	98066	Tert-butylbenzene	0.02	ug/L	U
	127184	Tetrachloroethene	0.02	ug/L	U
	109999	Tetrahydrofuran	0.02	ug/L	U
	108883	Toluene	0.02	ug/L	U
	156605	trans-1,2-Dichloroethene	0.02	ug/L	U
	10061026	Trans-1,3-Dichloropropene	0.019	ug/L	U
	110576	trans-1,4-Dichloro-2-butene	0.02	ug/L	U
	75694	Trichlorofluoromethane	0.02	ug/L	U
	75014	Vinyl Chloride	0.02	ug/L	U
	2199691	1,2-Dichlorobenzene-d4	100	%Rec	
	17060070	1,2-Dichloroethane-d4	108	%Rec	

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			Result	Units	Qlfr
Analytes :	540363	Benzene, 1,4-difluoro-	100	%Rec	
	460004	p-Bromofluorobenzene	97	%Rec	
	2037265	Toluene-d8	102	%Rec	
Parameter :	Volatiles - Tentatives				
Method :	8260-M				
Prep Method:					
Analytes :	***3008001**	**Unknown 01**	**12.6**	**ug/L**	**JN**

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Final Report

Project Code: FSP-005A
Project Name: COEUR d'ALENE
Project Officer: MARK ADER
Account Code: 96T10PTFA10Q6LA00
Station Description:

Collected:
Matrix: Air
Sample Number: KBG6158
Type: Blank

GCMS

Parameter : Volatiles
Method : 8260-M
Prep Method:
Analytes :

		Result	Units	Qlfr
513882	1,1-Dichloropropanone			REJ
630206	1,1,1,2-Tetrachloroethane	0.02	ug/L	U
71556	1,1,1-Trichloroethane	0.02	ug/L	U
79005	1,1,2-Trichloroethane	0.02	ug/L	U
75343	1,1-Dichloroethane	0.02	ug/L	U
75354	1,1-dichloroethene	0.02	ug/L	U
563586	1,1-Dichloropropene	0.02	ug/L	U
87616	1,2,3-Trichlorobenzene	0.05	ug/L	U
96184	1,2,3-Trichloropropane	0.02	ug/L	U
120821	1,2,4-Trichlorobenzene	0.05	ug/L	U
96128	1,2-Dibromo-3-chloropropane	0.02	ug/L	U
106934	1,2-Dibromoethane	0.02	ug/L	U
95501	1,2-Dichlorobenzene	0.02	ug/L	U
107062	1,2-Dichloroethane	0.02	ug/L	U
78875	1,2-Dichloropropane	0.02	ug/L	U
541731	1,3-Dichlorobenzene	0.02	ug/L	U
142289	1,3-Dichloropropane	0.02	ug/L	U
106467	1,4-Dichlorobenzene	0.02	ug/L	U
109693	1-Chlorobutane	0.02	ug/L	U
594207	2,2-Dichloropropane	0.02	ug/L	U
78933	2-Butanone	0.1	ug/L	U
95498	2-Chlorotoluene	0.02	ug/L	U
591786	2-Hexanone	0.04	ug/L	U
79469	2-Nitropropane	0.02	ug/L	U
108101	2-Pentanone, 4-methyl-	0.04	ug/L	U
106434	4-Chlorotoluene	0.02	ug/L	U
67641	Acetone	0.04	ug/L	U
107131	Acrylonitrile	0.05	ug/L	U
107051	Allyl Chloride	0.02	ug/L	U
71432	Benzene	0.02	ug/L	U
98828	Benzene, (1-methylethyl)	0.02	ug/L	U
95636	Benzene, 1,2,4-trimethyl	0.02	ug/L	U
95476	Benzene, 1,2-dimethyl-	0.02	ug/L	U
108678	Benzene, 1,3,5-trimethyl	0.02	ug/L	U
99876	Benzene, 1-methyl-4-(1-m	0.02	ug/L	U
100414	Benzene, ethyl-	0.02	ug/L	U

Manchester Environmental Laboratory
Final Report

			Result	Units	Qlfr
Analytes	: 108861	Bromobenzene	0.02	ug/L	U
	74975	Bromochloromethane	0.02	ug/L	U
	75274	Bromodichloromethane	0.02	ug/L	U
	75252	Bromoform	0.02	ug/L	U
	74839	Bromomethane	0.02	ug/L	U
	75150	Carbon Disulfide	0.04	ug/L	U
	56235	Carbon Tetrachloride	0.02	ug/L	U
	107142	Chloroacetonitrile	0.05	ug/L	U
	108907	Chlorobenzene	0.02	ug/L	U
	75003	Chloroethane	0.02	ug/L	U
	67663	Chloroform	0.02	ug/L	U
	74873	Chloromethane	0.02	ug/L	U
	156592	cis-1,2-Dichloroethene	0.02	ug/L	U
	10061015	Cis-1,3-Dichloropropene	0.021	ug/L	U
	124481	Dibromochloromethane	0.02	ug/L	U
	74953	Dibromomethane	0.02	ug/L	U
	75718	Dichlorodifluoromethane	0.02	ug/L	U
	60297	Diethyl ether	0.02	ug/L	U
	79345	Ethane, 1,1,2,2-tetrachl	0.02	ug/L	U
	79016	Ethene, trichloro-	0.02	ug/L	U
	97632	Ethylmethacrylate	0.02	ug/L	U
	76131	Freon 113	0.02	ug/L	U
	87683	Hexachlorobutadiene	0.05	ug/L	U
	67721	Hexachloroethane	0.02	ug/L	U
	126987	Methacrylonitrile	0.02	ug/L	U
	75092	Methane, dichloro-	0.02	ug/L	U
	96333	Methyl acrylate	0.02	ug/L	U
	74884	Methyl Iodide	0.02	ug/L	U
	80626	Methyl Methacrylate	0.02	ug/L	U
	*1330207	MP-Xylene	0.04	ug/L	U
	104518	n-Butylbenzene	0.02	ug/L	U
	103651	n-Propylbenzene	0.02	ug/L	U
	91203	Naphthalene	0.05	ug/L	U
	76017	Pentachloroethane	0.02	ug/L	U
	1634044	Propane, 2-methoxy-2-met	0.02	ug/L	U
	135988	sec-Butylbenzene	0.02	ug/L	U
	100425	Styrene	0.02	ug/L	U
	98066	Tert-butylbenzene	0.02	ug/L	U
	127184	Tetrachloroethene	0.02	ug/L	U
	109999	Tetrahydrofuran	0.02	ug/L	U
	108883	Toluene	0.02	ug/L	U
	156605	trans-1,2-Dichloroethene	0.02	ug/L	U
	10061026	Trans-1,3-Dichloropropene	0.019	ug/L	U
	110576	trans-1,4-Dichloro-2-butene	0.02	ug/L	U
	75694	Trichlorofluoromethane	0.02	ug/L	U
	75014	Vinyl Chloride	0.02	ug/L	U
	2199691	1,2-Dichlorobenzene-d4	99	%Rec	
	17060070	1,2-Dichloroethane-d4	109	%Rec	

KBG6158 Blank

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			Result	Units	Qlfr
Analytes :	540363	Benzene, 1,4-difluoro-	100	%Rec	
	460004	p-Bromofluorobenzene	95	%Rec	
	2037265	Toluene-d8	100	%Rec	

Parameter : Volatiles - Tentatives
Method : 8260-M
Prep Method:

Analytes :	*3008001	Unknown 01	10.3	ug/L	JN
	*3008002	Unknown 02	10.7	ug/L	JN

Manchester Environmental Laboratory
Final Report

Project Code: FSP-005A
Project Name: COEUR d'ALENE
Project Officer: MARK ADER
Account Code: 96T10PTFA10Q6LA00
Station Description:

Collected:
Matrix: Solid
Sample Number: DBS6150
Type: Blank

GCMS

Parameter : Volatiles
Method : 8260-M
Prep Method:

Analytes			Result	Units	Qlfr
	630206	1,1,1,2-Tetrachloroethane	1.0	ug/kg	U
	71556	1,1,1-Trichloroethane	1.0	ug/kg	U
	79005	1,1,2-Trichloroethane	1.0	ug/kg	U
	75343	1,1-Dichloroethane	1.0	ug/kg	U
	75354	1,1-dichloroethene	1.0	ug/kg	U
	107062	1,2-Dichloroethane	1.0	ug/kg	U
	156592	cis-1,2-Dichloroethene	1.0	ug/kg	U
	79345	Ethane, 1,1,2,2-tetrachl	1.0	ug/kg	U
	79016	Ethene, trichloro-	1.0	ug/kg	U
	127184	Tetrachloroethene	1.0	ug/kg	U
	156605	trans-1,2-Dichloroethene	1.0	ug/kg	U
	75014	Vinyl Chloride	1.0	ug/kg	U
	2199691	1,2-Dichlorobenzene-d4	107	%Rec	
	17060070	1,2-Dichloroethane-d4	127	%Rec	
	540363	Benzene, 1,4-difluoro-	99	%Rec	
	460004	p-Bromofluorobenzene	95	%Rec	
	2037265	Toluene-d8	100	%Rec	

Project Code:	FSP-005A	**Collected:**	
Project Name:	COEUR d'ALENE	**Matrix:**	Solid
Project Officer:	MARK ADER	**Sample Number:**	DBS6151
Account Code:	96T10PTFA10Q6LA00	**Type:**	Blank
Station Description:			

GCMS

Parameter : Volatiles
Method : 8260-M
Prep Method:

Analytes			Result	Units	Qlfr
	630206	1,1,1,2-Tetrachloroethane	1.0	ug/kg	U
	71556	1,1,1-Trichloroethane	1.0	ug/kg	U
	79005	1,1,2-Trichloroethane	1.0	ug/kg	U
	75343	1,1-Dichloroethane	1.0	ug/kg	U
	75354	1,1-dichloroethene	1.0	ug/kg	U
	107062	1,2-Dichloroethane	1.0	ug/kg	U
	156592	cis-1,2-Dichloroethene	1.0	ug/kg	U
	79345	Ethane, 1,1,2,2-tetrachl	1.0	ug/kg	U
	79016	Ethene, trichloro-	1.0	ug/kg	U
	127184	Tetrachloroethene	1.0	ug/kg	U
	156605	trans-1,2-Dichloroethene	1.0	ug/kg	U
	75014	Vinyl Chloride	1.0	ug/kg	U
	2199691	1,2-Dichlorobenzene-d4	106	%Rec	
	17060070	1,2-Dichloroethane-d4	110	%Rec	
	540363	Benzene, 1,4-difluoro-	99	%Rec	
	460004	p-Bromofluorobenzene	99	%Rec	
	2037265	Toluene-d8	100	%Rec	