



**SOIL AND GROUNDWATER INVESTIGATION
PROPOSED COMMERCIAL DEVELOPMENT
720 SECOND STREET & 229 CASTRO STREET
OAKLAND, CALIFORNIA**

Project No. 044-00006
May 3, 2000

Prepared for:
Mr. Tom Lander
MORTENSON
700 Meadow Lane North
Minneapolis, Minnesota 55422

Prepared by:
Krazan & Associates, Inc.
545 Parrott Street
San Jose, California 95112
(408) 271-2200

 **Krazan** & ASSOCIATES, INC.
SITE DEVELOPMENT ENGINEERS

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**SOIL AND GROUNDWATER INVESTIGATION
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720 SECOND STREET & 229 CASTRO STREET
OAKLAND, CALIFORNIA****1.0 INTRODUCTION AND SUMMARY OF CONCLUSIONS**

This report presents the results of a Soil and Groundwater Investigation conducted at the property located at 720 Second Street and 229 Castro Street in Oakland, California (subject site; Figures 1 & 2). The work described in this report was conducted in accordance with the Krazan & Associates, Inc. (Krazan) proposals (No. PSJ00058 and PSJ00096), dated February 10, 2000 and March 9, 2000, respectively. The scope of work was authorized by Mr. Tom Lander of Mortenson.

Based on the investigations summarized in this report, the subsurface materials at the subject site consist of approximately 5 feet of fill underlain by beach and dune sand deposits of the Merrit Formation. The characterization activities at the subject site were focused on the fill material to be reused during construction activities, and also included the Merrit Formation and underlying groundwater. The chemicals of concern identified as part of this investigation included lead and polynuclear aromatic hydrocarbons (PAHs). These materials were detected within the fill but not detected in the underlying Merrit Formation. The 80 percent upper confidence level (UCL) for lead within the fill is below the EPA Region IX Preliminary Remedial Goals (PRGs) of 1,000 milligrams per kilogram (mg/kg) for an industrial land use setting. The concentrations of PAHs were below the PRGs for inhalation of vapors from soil. Neither lead nor PAHs were not detected in soils collected from the Merrit Formation at depths of 6 to 7.5 feet below the ground surface, approximately 3 feet above the static groundwater level. Additionally, with the exception of a groundwater sample collected adjacent to an underground storage tank (UST), PAHs and volatile organic compounds were not detected in groundwater samples.

The planned development of the subject site includes a multi-story telecommunication facility, which encompasses the entire site. The entire site will eventually be capped with a concrete foundation or asphaltic parking areas. Minor landscaped areas which are proposed for the subject site will be underlain by 2 feet of clean fill. As such, following development, there will be no exposure pathways to occupants of the building to subsurface soils.

2.0 PURPOSE OF INVESTIGATION

The purpose of the Soil and Groundwater Investigation was to assess the potential presence of chemical compounds in shallow soil and groundwater at the subject site to evaluate potential health and safety issues.

3.0 SCOPE OF WORK

The following scope of work was conducted:

- Task 1. Pre-field Activities;
- Task 2. Field Investigation;
- Task 3. Laboratory Analyses; and
- Task 4. Preparation of a Summary Report.

4.0 SITE DATA

4.1 Background Information

A Phase I Environmental Site Assessment (ESA), summarized in Krazan's report dated February 16, 2000, was conducted for the subject site. Based on information in the ESA, the southern one third of the subject site is used as shipping and warehousing for a food distributor and the northern two thirds of the subject site is used by the Port of Oakland (Port) for maintenance and storage. The southern one third of the subject site has been used for warehousing purposes since at least 1950. Before 1950 it was either vacant or used for residential purposes. The northern two thirds of the subject site was occupied by Phoenix Iron Works (PIW) from at least 1951 to approximately 1972 when the Port acquired the subject site. The Oakland Fire Department and the Alameda County Environmental Health Service did not have information pertaining to the operation of the PIW. However, Sanborn Fire Insurance Maps (SFIMs) depict welding, pattern storage, foundry storage, flask yard, and other uses by PIW. The 1967 and 1970 SFIMs depict a paint dip tank and drying rack on the east-side of the main structure. Given the former existence of this paint dip tank and the history of industrial use of the northern two thirds of the subject

locating service to clear the proposed locations of intrusive activities. A site-specific health and safety plan was prepared prior to the field activities and distributed to field personnel.

6.0 FIELD INVESTIGATIONS

6.1 Subsurface Investigation

A total of three (3) borings were advanced at the site in the vicinity of the features discussed in Section 4.1 of this report. Prior to advancement of the boring near the suspected UST, a metal detector was used to assess buried metal in this area. A metal object was detected below the ground surface in the location of the fill port and likely represents a UST. Seven additional borings were advanced in a simple random sampling pattern as described in the US Environmental Protection Agency *Test Methods for Evaluating Solid Waste, Physical/Chemical Methods (SW-846)*. The simple random sampling pattern consisted of a 20 cell by 20 cell grid over the western two thirds of the subject site, which is occupied by the Port (resulting in a total of 400 10-foot by 10-foot cells). Although the eastern one third of the site was inaccessible, as it was entirely covered by an operating warehouse business, the subsurface conditions are not known to differ from the remainder of the subject site. Therefore, the random sampling conducted is representative of the entire project site. The cell numbering began with number 1 in the northwest corner and ended with 400 in the southeast corner. A random number generation program was used to select 7 numbers from 1 to 400. The numbers generated were 252, 176, 206, 119, 351, 22, and 78. The seven borings intended to be random were then placed as close as possible to the randomly-selected cell numbers. Due to weather conditions during the field investigation, one of the random borings could not be completed. Additionally, due to subsurface conditions, groundwater samples were not obtained from two of the remaining nine borings that were proposed. Locations of the completed borings are shown on Figure 2.

The field investigation was conducted on February 11, 2000, and involved the advancement of 9 borings (B-1 through B-9). The borings were advanced by Vironex Environmental Services (Vironex) of Hayward, California, using a GeoProbe™ subsurface sampling system. Vironex employed truck-mounted sampling equipment with a hydraulically-driven GeoProbe™ soil coring system to obtain soil samples for chemical analysis. Vironex's sampling system utilizes a hydraulic hammer to drive an approximately 1-inch diameter sampling rod into the ground to collect soil cores. At the sampling locations, soil samples were collected to evaluate the lithology and for chemical analyses. As the GeoProbe™ rods were advanced, soil was driven into the sample barrel. Soil samples were collected in a 1-inch-diameter acetate sleeve installed inside the barrel. After being driven, the inner rods were removed from the borehole with a hydraulic winch. The acetate sleeve containing the soil samples was removed from the

sample barrel and the recovered soil core was used for lithologic evaluation. The desired sample interval was cut from the acetate sleeve and the resulting ends were covered with Teflon film and PVC end caps. The soil sample was labeled with the sample number, collection date, and project number and retained on ice, in an insulated chest, pending delivery to the laboratory for analysis. The borings were advanced to 16 feet BGS with the exception of borings B6 and B9 which were advanced to 18 and 12 feet BGS, respectively. A photoionization detector (PID) was used to screen the soil retrieved from the borings.

Soil samples were collected between 2 and 3.5 feet BGS and between 6 and 7.5 feet BGS. The shallower soil samples were collected from material judged in the field to be fill. The deeper soil samples were collected from material judged to be native. Soil samples collected from boring B8, located near the suspected UST, were collected at 3.5, 7, 13.5, and 15.5 feet BGS.

Grab groundwater samples were collected from six of the eight borings (B1, B2, B3, B5, B6, and B7), and from boring B8, located near the suspected UST. Following soil sampling from these borings, PVC casing was temporarily installed within the open boring to allow for the collection of the groundwater samples. Groundwater samples which were to be analyzed for volatile organic compounds (VOCs) and petroleum hydrocarbons were collected by lowering a small-diameter, polyethylene bailer into the casing. The groundwater samples which were to be analyzed for polynuclear aromatic hydrocarbons (PAHs) were sampled by lowering a polyethylene tube into the casing and removing groundwater with a peristaltic pump. The sampled groundwater was transferred to laboratory-supplied containers specific to the anticipated analyses. Each groundwater sample was labeled with the sample number, collection date, and project number and retained on ice in an insulated chest pending delivery to the analytical laboratory. Following collection of the groundwater samples, the borings were backfilled with cement grout to ground surface and finished at surface grade with a matching material.

Twenty soil samples and seven groundwater samples were submitted for analysis to SunStar Laboratories, a State of California-certified analytical laboratory. Two soil samples from each of the eight borings that were advanced at the western portion of the subject site were submitted for laboratory analysis. One soil sample collected from the fill and one soil sample from the underlying native material were retained for analysis. The shallow soil samples (from the fill) were each analyzed for PAHs and Title 22 metals in accordance with Environmental Protection Agency (EPA) Methods 8270 and Series 6010/7000, respectively. The soil samples collected from the native material were composited by the laboratory into two samples and analyzed for PAHs and Title 22 metals. Additionally, the samples of fill and native soil were each analyzed for volatile organic compounds (VOCs) in accordance with EPA

Method 8260. Six grab groundwater samples (B1, B2, B3, B5, B6, and B7) were analyzed for VOCs. Additionally, three grab groundwater samples (B1, B6, and B7) were analyzed for PAHs.

Three soil samples and one grab groundwater sample were collected from the boring advanced near the suspected UST. These soil samples were analyzed for PAHs, Title 22 metals, VOCs, and total petroleum hydrocarbons as gasoline and diesel (TPHg and TPHd) in accordance with EPA Methods, 8270, Series 6010/7000, 8260, and 8015 Modified, respectively. The grab groundwater sample was analyzed for VOCs and TPH.

Based on the analytical results of the soil samples collected from the borings described above, (as discussed in Section 7.0 below) Krazan collected additional soil samples from the fill material between 0.5 and 1.5 feet BGS which were analyzed for total and soluble lead. Seventeen soil samples of fill material were collected within the top 18 inches of soil. The soil sample locations were selected based on a simple random sampling pattern as described in the US EPA *Test Methods for Evaluating Solid Waste, Physical/Chemical Methods (SW-846)*. The simple random sampling pattern consisted of three vertical sections, each 6-inches thick over the portion of the site occupied by the Port. Each 6-inch section consisted of a 20 cell by 20 cell grid (resulting in a total of 1,200 10-foot by 10-foot cells). The cell numbering began with number 1 in the top 0 to 6-inch cell of the northwest corner and ended with 1,200 in the 12 to 18-inch cell of the southeast corner. A random number generation program was used to select 17 numbers from 1 to 1,200. The numbers generated were 22, 76, 86, 180, 245, 462, 596, 662, 695, 725, 756, 847, 871, 985, 1040, 1055, and 1093. The 17 samples were then placed as close as possible to the randomly-selected cell numbers. Additionally, three soil samples from two borings (samples S20, S21, and S22) within the sidewalk area of Castro Street were collected since that area was also going to be excavated as part of the project development. Locations of the samples are shown on Figure 3.

The borings for collecting the additional samples were advanced using a hand auger. Prior to advancement of the borings, the asphalt surface was cored to allow access to the subsurface soils. Soil samples were collected from the desired depth with a sample barrel equipped with brass tubes. After retrieval, the ends of the tubes were covered with Teflon and capped with PVC end caps. The samples were labeled with the sample number, collection date, and project number and retained on ice in an insulated chest pending delivery to the laboratory for analyses.

Twenty soil samples were submitted for analysis to SunStar Laboratories, a State of California-certified analytical laboratory. The 17 soil samples from the western portion of the subject site were analyzed for total and soluble lead in accordance with Environmental Protection Agency (EPA) Method 6010/7000. The soil samples were analyzed for soluble lead based on the original plan to have some of the fill material removed from the site. It is now anticipated that all materials will be utilized on-site, and should off-site removal of soil be needed, the soil will be profiled at that time. The three soil samples from the sidewalk along Castro Street were analyzed for total lead in accordance with EPA Method 6010/7000.

The sampling equipment was cleaned prior to sampling and between borings to minimize the likelihood of cross-contamination. The work was performed under the direction of a California-registered professional geologist from Krazan. Chain-of-custody (COC) procedures were used to document the handling and transport of the soil and grab groundwater samples from the time they were collected to the time they were delivered to the laboratory for analysis.

6.2 Conditions Encountered

The conditions encountered during the sampling activities were recorded in field notes and logs. The subsurface material consisted of approximately five feet of fill underlain by light-brown silty sand to the depth that was explored. These soil types were fairly consistent throughout the areas that were explored. The PID was used to screen soil samples collected during the field investigation. No readings were indicated by the PID during the screening of the soil samples collected, with the exception of soil samples collected from boring B8 where petroleum staining and odors were noted. The staining and odors occurred from six to 16 feet BGS.

Groundwater was encountered at depths ranging from 12 to 14 feet BGS. The groundwater rose in the temporarily cased borings to approximately eight to 10 feet after one to two hours. The advancement of the borings was terminated when groundwater was expected to be encountered. In two of the borings, groundwater did not accumulate in the open, temporarily cased boreholes. It is likely that this occurred due to variations in clay and silt content of the native silty sand material.

7.0 ANALYTICAL RESULTS

With the exception of four samples, the laboratory analytical results indicated that the soil samples did not contain concentrations of PAHs greater than the laboratory detection limits. The soil samples collected from three feet BGS in borings B5 and B9 were reported to contain concentrations of some PAHs greater

than the laboratory detection limits. Additionally, the soil samples collected from 13.5 and 15.5 feet BGS in boring B8 were reported to contain naphthalene in concentrations greater than the laboratory detection limit. The soil samples collected from the native material were composited by the laboratory into two samples and analyzed for PAHs. The composite samples did not contain PAHs in concentrations greater than the laboratory detection limits. The results for the soil samples analyzed for PAHs are summarized in Table 1 following the text.

Various metals were detected in all of the soil samples collected as part of this investigation. The results for the soil samples analyzed for metals are summarized in Table 2 following the text.

In general, VOCs were not detected in concentrations greater than the laboratory detection limits. Low concentrations of benzene, toluene, ethylbenzene, and total xylenes (BTEX), along with low concentrations of other selected VOCs, were detected in the fill samples collected. TPHg and BTEX were detected in the soil samples collected from seven, 13.5, and 15.5 feet BGS in boring B8 located near the suspected UST. Methyl tert butyl ether (MTBE) and other fuel oxygenates were not detected in the soil samples collected from boring B8 or in soil samples collected from the other areas of the subject site. The results for the soil samples analyzed for VOCs and petroleum hydrocarbons are summarized in Table 3 following the text.

Three grab groundwater samples (B1, B6, and B7) were analyzed for PAHs. PAHs were not detected in these samples in concentrations greater than the laboratory reporting limits. Six grab groundwater samples were collected and analyzed for VOCs. VOCs were not detected in these samples in concentrations greater than the laboratory reporting limits. A grab groundwater sample was also collected from the boring installed adjacent to the UST. TPHg, BTEX, and other selected VOCs were detected in the grab groundwater sample collected from this boring. MTBE and other fuel oxygenates were not detected in the grab groundwater sample collected from boring B8. The results for the groundwater samples analyzed for petroleum hydrocarbons and VOCs are summarized in Table 4 following the text.

Concentrations of total lead in the samples analyzed to further evaluate the concentration of lead in the fill material ranged from below the detection limit of 1 milligram per kilogram (mg/kg) to 2,400 mg/kg. Soluble lead concentrations of the soil samples ranged from below the detection limit of 0.1 milligram per liter (mg/L) to 24 mg/L. The analyses for the soil samples designed to further evaluate the concentrations of lead in the fill material are summarized in Table 5 following the text. This table also includes the concentrations of total lead detected in the soil samples collected from the borings.

site, the potential exists for the subsurface to be impacted by hazardous materials. Additionally, based on a geotechnical investigation conducted by Krazan, approximately five feet of fill material was encountered at the subject site. The fill material consisted of soil mixed with debris such as glass and wire. Groundwater was encountered at the subject site at approximately 12 feet below the ground surface (BGS). During Krazan's site reconnaissance, a vent pipe and fill port were observed adjacent to a concrete patch on the east side of the warehouse building located in the southern one third of the subject site. These features could suggest that an underground storage tank (UST) either is or was present in this location.

Based on the Phase I ESA, Krazan recommended that a Phase II investigation be conducted at the subject site to assess the potential presence of hazardous materials in the subsurface of the subject site. The Phase II on the western two thirds of the subject site focused on the area of the former paint dip tank and more generally, throughout the yard to assess the nature of the soil and groundwater conditions. The Phase II on the eastern one third focused on the area where the vent pipe and concrete patch are located.

4.2 Site Setting and Regional Geology

The site is located in the eastern portion of the San Francisco Bay Area, immediately east of the San Francisco Bay. The site is located within the Coast Ranges Geomorphic Province of California which is characterized by northwest-trending structural features, including faults and geologic units. Based on the geotechnical investigation conducted by Krazan, the subject site is underlain by approximately five feet of uncharacterized fill material which is underlain by beach and dune sand deposits of the Merrit Formation. The Merrit Formation is described as loose, well-sorted, fine to medium grained sand with silt and clay.

Based on a review of the USGS topographic map for the area and file information for investigations conducted in the vicinity of the subject site, the direction of groundwater flow is approximately south-southwest. Additionally, based on the investigations summarized in this report, groundwater is present at approximately 12 feet BGS.

5.0 PRE-FIELD INVESTIGATION ACTIVITIES

The boring locations were marked and Underground Service Alert (USA) was notified of the locations of the proposed intrusive activities. Additionally, Krazan consulted with Port personnel regarding the locations of utilities which service the maintenance yard. Krazan also contracted with a private utility

Because PAHs were not detected in the three grab groundwater samples in concentrations greater than the laboratory detection limits, a summary table for PAHs was not prepared. The laboratory analytical reports and chain-of-custody forms are included as Appendix A.

8.0 DISCUSSION AND CONCLUSIONS

Elevated concentrations of PAHs were detected in two of the samples collected from the fill. Several PAH compounds were detected at concentrations greater than the EPA Region IX Preliminary Remedial Goals (PRGs) for dermal contact and soil ingestion for an industrial land use setting. The PRGs are conservative values used for screening human-health risks associated with contaminated media. The concentrations of PAHs were, however, below the PRGs for inhalation of vapors from soil. PAHs were not detected in the composited soil samples collected from the deeper, native material. Based on this information, it appears that the soil containing significant PAHs is limited to one portion of the subject site. Furthermore, the PAHs were not detected in groundwater samples. Based on this information and the fact that PAHs were also not detected in the Merrit Formation, it is unlikely that the isolated PAHs in the fill has affected the underlying groundwater.

Concentrations of barium, copper, lead, and zinc were detected in several of the shallow soil samples at concentrations that appear to be greater than anticipated background concentrations. None of the individual samples containing barium, copper or zinc were above the individual PRGs. Lead was initially detected in four individual soil samples at concentrations greater than the PRG.

To further assess the concentration of lead within the fill material, additional samples were collected and analyzed. The additional shallow fill samples were analyzed for soluble lead because these materials were possibly to be disposed of off-site. Subsequent project plans provide for the re-use of the shallow fill on-site. The 80 percent UCL concentration for total lead was calculated and is below the PRG of 1,000 mg/kg threshold for industrial soils. Table 5 summarizes the analytical results for the soil samples collected from the fill material.

The metals detected in the composited soil samples collected from the deeper, native material, and from the soil samples collected adjacent to the suspected UST, were all below the PRGs and appear to represent naturally-occurring, background concentrations. Furthermore, the concentration of lead in these samples was below the detection limit of 1 mg/kg. Given that these samples were collected below the fill

material and above the static water level, the likelihood of impact to the underlying groundwater from the concentrations of metals in the fill material is judged to be low.

Low concentrations of certain VOCs were reported in the shallow soil samples collected from the western portion of the subject site. However, the concentrations were below the PRGs established for these specific compounds. With the exception of the groundwater sample collected from the boring adjacent to the UST, no VOCs were detected in the groundwater. As such, it is unlikely that the low concentrations of VOCs in the fill has affected the underlying groundwater.

Based on the analyses of soil samples collected from the subject site, the detected compounds were below their specified PRGs for industrial land use. The development of the subject site includes a multi-story telecommunication facility, which encompasses the entire site. The entire site will eventually be capped with a concrete foundation or asphaltic parking areas. Minor landscaped areas which are proposed for the subject site will be underlain by 2 feet of clean fill. As such, following development, there will be no exposure to occupants of the building to subsurface soils.

Elevated concentrations of petroleum hydrocarbons and related constituents were detected in the soil samples collected near the suspected UST, suggesting that the UST may have leaked in the past. Additionally, elevated concentrations of petroleum hydrocarbons and related constituents were detected in the groundwater sample collected near the suspected UST.

9.0 RECOMMENDATIONS

Based on the data and conclusions presented in this report, and the professional judgment of Krazan & Associates, Inc., the following recommendations are made:

- The results of this investigation indicate that the constituents of concern detected in the soil samples were either individually below the established PRGs or the 80 percent UCL for the given constituents were below the established PRGs. As such, given the fact the use of the site will include a multi-story telecommunication facility, the development of which will encompass and cap the entire site, the fill material at the subject site can be incorporated into the grading plan and used on-site as part of the development.

- Development of the site that involves the handling of the fill materials will need to be conducted under a health and safety plan to minimize worker exposure to the constituents that were detected in the soil samples. If material containing elevated concentrations of the detected constituents remains on-site, then a health risk assessment should be prepared to evaluate whether future on-site workers and occupants of the site would be exposed to hazardous constituents.
- The suspected UST located at the 229 Castro Street parcel will need to be removed under the oversight of the Oakland Fire Department and/or Alameda County Environmental Health Department. Further groundwater investigation pertaining to the release of gasoline from the suspected UST will likely be required by the regulatory agencies. A copy of this report should be submitted to the Oakland Fire Department and Alameda County Environmental Health Department for review.
- If excess fill material is to be removed from the Port parcel as part of development, the material should be classified prior to removal and disposal.

10.0 LIMITATIONS

The findings of this report were based upon the results of field and laboratory data, coupled with the interpretation of subsurface conditions. Therefore, the findings are accurate only to the degree implied by review of the collected data and by professional interpretation.

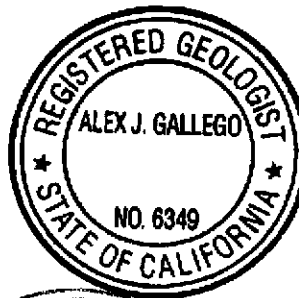
The exploratory soil borings locations were selected through review of available maps and by tape measurement from existing landmarks. Therefore, the soil boring locations should be considered accurate only to the degree implied by the methods used to locate them. The conclusions presented in this report are based on site conditions as they existed at the time of the field investigation. Additionally, it is assumed that the soil borings are representative of subsurface conditions at the site. In other words, subsurface conditions on the subject site do not vary significantly from those indicated by the soil borings.

Chemical testing of the soil and groundwater samples was conducted by State-certified laboratories. The results of the chemical testing are accurate only to the degree of the care used by the laboratories, and the representative nature of the soils obtained.

The findings presented herewith are based on professional interpretation using state-of-the art methods and equipment and a degree of conservatism deemed proper as of this report date. It is not warranted that such data cannot be superseded by future geotechnical, environmental, or technical developments.

This investigation and report were authorized by and prepared for the exclusive use of our client. Unauthorized use of or reliance on the information contained in this report without the expressed written consent of Krazan & Associates, Inc., is strictly prohibited.

If there are any questions or if we can be of further assistance, please do not hesitate to contact our office at (408) 271-2200.



Respectfully submitted,
KRAZAN & ASSOCIATES, INC.

Handwritten signature of Alex J. Gallego in black ink.

Alex J. Gallego, RG 6349
Director of Environmental Services



Handwritten signature of Dean Alexander in black ink.

Dean Alexander
Geotechnical Engineer
RGE #002051/RCE #34274

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TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
POLYNUCLEAR AROMATIC HYDROCARBONS
PROPOSED COMMERCIAL DEVELOPMENT
229 CASTRO STREET AND 720 SECOND STREET, OAKLAND, CALIFORNIA

Sample No	Depth	naphthalene	acenaphthylene	acenaphthene	fluorene	phenanthrene	anthracene	fluoranthene	pyrene	benzo (a) anthracene	chrysene	benzo (b) fluoranthene	benzo (k) fluoranthene	benzo (a) pyrene	indeno (1,2,3-cd) pyrene	dibenz (a, h) anthracene
B1-2	2	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
B2-2	2	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
B3-2	2	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
B4-3	3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
B5-3	3	<0.3	<0.3	<0.3	<0.3	1.3	<0.3	1.7	2.8	<0.3	0.95	0.7	<0.3	0.8	<0.3	<0.3
B6-3.5	3.5	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	0.5	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
B7-3	3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
B8-3.5	3.5	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
B8-13.5	13.5	4.7	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
B8-15.5	15.5	0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
B9-3	3	31	87	1	11	180	30	190	150	12	120	110	61	280	310	87
COMP1 ⁽³⁾	6 to 7.5	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
COMP2 ⁽⁴⁾	7	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
PRGs - dermal/ingest		41000	NA	120000	82000	NA	610000	48000	61000	4.6	460	4.6	46	0.46	4.6	0.46
PRGs - inhalation		190	NA	56000	56000	NA	1.1E+06	2.7E+08	470000	61000	6100000	61000	610000	6100	61000	6100

Notes:

- 1 All results given in milligrams per kilogram.
- 2 The samples were analyzed for polynuclear aromatic hydrocarbons by Environmental Protection Agency Method Number 8270. Only constituents detected in concentrations greater than the reporting limit are presented in this table.
- 3 Depth is given in feet below the ground surface.
- 4 COMP1 = samples from B1, B2, B3, and B4 collected from 6 to 7.5 feet below the ground surface composited by the laboratory for a single analyses.
- 5 COMP2 = samples from B5, B6, B7, B8, and B9 collected from 7 feet below the ground surface composited by the laboratory for a single analyses.
- 6 PRGs = preliminary remedial goals established by the EPA Region IX. The PRGs are conservative values used for screening human-health risks associated with contaminated media in an industrial setting. PRGs - dermal/ingest for dermal contact or ingestion of soil. The lower of the two values is presented. PRGs - inhalation are values for inhalation of vapors from soil.
- 7 NA = not applicable
8. The less than symbol (<) indicates that the constituent was not detected in concentrations greater than the value given.

TABLE 2
SOIL SAMPLE ANALYTICAL RESULTS
METALS ANALYSES
PROPOSED COMMERCIAL DEVELOPMENT
229 CASTRO STREET AND 720 SECOND STREET, OAKLAND, CALIFORNIA

Sample No.	Depth	antimony	arsenic	barium	beryllium	cadmium	chromium	cobalt	copper	lead	mercury	molybdenum	nickel	selenium	silver	thallium	vanadium	zinc
B1-2	2	<2	<5	2	<1	6	24	6	13	46	<0.1	3	10	18	<2	46	48	26
B2-2	2	<2	<5	97	<1	2	43	8	860	140	<0.1	3	20	<5	<2	10	31	220
B3-2	2	<2	<5	140	<1	2	33	9	49	410	<0.1	3	21	5	<2	12	278	140
B4-3	3	<2	<5	230	<1	6	41	10	78	780	<0.1	4	38	8	<2	11	29	650
B5-3	3	<2	<5	560	<1	9	30	10	940	2600	<0.1	5	52	<5	<2	42	39	2900
B6-3.5	3.5	<2	<5	1200	<1	11	83	14	280	3300	<0.1	7	51	18	<2	45	39	5200
B7-3	3	<2	<5	260	<1	2	20	7	55	1000	<0.1	2	130	3	<2	7	18	340
B8-3.5	3.5	<2	<5	38	<1	<1	27	3	5	ND	<0.1	<1	12	<5	<2	3	14	13
B8-13.5	13.5	<2	<5	52	<1	2	67	10	10	1	<0.1	3	38	<5	<2	12	29	29
B8-15.5	15.5	<2	<5	61	<1	3	62	12	14	2	<0.1	3	45	9	<2	16	34	32
B9-3	3	<2	<5	570	<1	20	40	20	170	3300	<0.1	7	100	18	<2	27	50	4500
COMP1 ⁽³⁾	6 to 7.5	<2	<5	52	<1	2	59	10	17	ND	<0.1	3	28	6	<2	12	30	23
COMP2 ⁽⁴⁾	7	<2	<5	27	<1	<1	120	4	11	ND	<0.1	2	13	<5	<2	3	53	31
PRGs - ingest		820	3.8	140000	4100	1000	3.1E+06	120000	76000	NA	610	10000	41000	10000	10000	NA	14000	610000

1000 lb

600 Zn

Notes:

1. All results given in milligrams per kilogram.
2. The samples were analyzed for metals by EPA Methods 6010 and 7471.
3. Depth is given in feet below the ground surface.
4. COMP1 = samples from B1, B2, B3, and B4 collected from 6 to 7.5 feet below the ground surface composited by the laboratory for a single analyses.
5. COMP2 = samples from B5, B6, B7, B8, and B9 collected from 7 feet below the ground surface composited by the laboratory for a single analyses.
6. PRGs = preliminary remedial goals established by the EPA Region IX. The PRGs are conservative values used for screening human-health risks associated with contaminated media in an industrial setting.
PRGs - ingest for ingestion of soil.
7. NA = not applicable
8. The less than symbol (<) indicates that the constituent was not detected in concentrations greater than the value given.

TABLE 3
SOIL SAMPLE ANALYTICAL RESULTS
PETROLEUM HYDROCARBONS AND VOLATILE ORGANIC COMPOUNDS
PROPOSED COMMERCIAL DEVELOPMENT
229 CASTRO STREET AND 720 SECOND STREET, OAKLAND, CALIFORNIA

Sample No.	Depth	TPHg	TPHd	benzene	toluene	ethylbenzene	total xylenes	isopropyl benzene	n-propyl benzene	1,3,5-trimethyl benzene	1,2,4-trimethyl benzene	p-isopropyl toluene	naphthalene
B1-2	2	NA	NA	0.084	0.200	0.067	0.420	0.011	0.032	0.010	0.190	0.007	0.180
B1-7.5	7.5	NA	NA	<0.005	<0.005	<0.005	<0.015	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
B2-2	2	NA	NA	0.050	0.140	0.042	0.219	<0.005	0.014	<0.005	0.077	<0.005	0.096
B2-6	6	NA	NA	<0.005	<0.005	<0.005	<0.015	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
B3-2	2	NA	NA	0.010	0.029	0.009	0.048	<0.005	<0.005	<0.005	0.017	<0.005	0.023
B3-7.5	7.5	NA	NA	<0.005	<0.005	<0.005	<0.015	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
B4-3	3	NA	NA	<0.005	0.006	<0.005	<0.015	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
B4-7	7	NA	NA	<0.005	0.035	0.029	0.138	<0.005	0.015	<0.005	0.069	<0.005	<0.005
B5-3	3	NA	NA	<0.005	0.005	<0.005	<0.015	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
B5-7	7	NA	NA	<0.005	<0.005	<0.005	<0.015	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
B6-3.5	3.5	NA	NA	<0.005	0.005	<0.005	<0.015	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
B6-7	7	NA	NA	<0.005	<0.005	<0.005	<0.015	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
B7-3	3	NA	NA	<0.005	0.009	<0.005	0.012	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
B7-7	7	NA	NA	<0.005	<0.005	<0.005	<0.015	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
B8-3.5	3.5	NA	NA	<0.005	<0.005	<0.005	<0.015	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
B8-7	7	310	<10	1.7	6.0	4.4	10.4	1.2	1.3	0.600	2.5	0.470	0.450
B8-13.5	13.5	430	<10	3.6	18	4.2	7.5	0.82	2.2	1.4	2.6	0.12	1.6
B8-15.5	15.5	230	<10	0.4	0.24	2	3.17	0.58	0.86	0.37	1.7	0.36	0.8
B9-3	3	NA	NA	<0.005	<0.005	<0.005	<0.015	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
B9-7	7	NA	NA	<0.005	0.027	0.014	0.068	<0.005	<0.005	<0.005	0.042	<0.005	0.087
PRGs - dermal/ingest		NA	NA	200	410000	200000	3100000	200000	20000	100000	100000	NA	190
PRGs - inhalation		NA	NA	1.5	2000	6200	4500	520	580	70	170	NA	41000

Notes:

- 1 All results given in milligrams per kilogram.
2. TPHg and TPHd = total petroleum hydrocarbons as gasoline and diesel by Environmental Protection Agency (EPA) Method 8015M.
3. Volatile organic compounds (VOCs) by EPA Method 8260. Other VOCs by EPA Method 8260 not reported in concentrations greater than the reporting limit.
4. The less than symbol (<) indicates that the constituent was not detected in concentrations greater than the value given.
- 5 PRGs = preliminary remedial goals established by the EPA Region IX. The PRGs are conservative values used for screening human-health risks associated with contaminated media in an industrial setting.
PRGs - dermal/ingest for dermal contact or ingestion of soil. The lower of the two values is presented. PRGs - inhalation are values for inhalation of vapors from soil.
- 6 NA = not applicable

TABLE 4
GROUNDWATER SAMPLE ANALYTICAL RESULTS
PETROLEUM HYDROCARBONS AND VOLATILE ORGANIC COMPOUNDS
PROPOSED COMMERCIAL DEVELOPMENT
229 CASTRO STREET AND 720 SECOND STREET, OAKLAND, CALIFORNIA

Sample No.	TPHg	TPHd	benzene	toluene	ethylbenzene	total xylenes	isopropyl benzene	n-propyl benzene	1,3,5-trimethyl benzene	1,2,4-trimethyl benzene	p-isopropyl toluene	naphthalene
B1-W ^a	NA	NA	<0.005	<0.005	<0.005	<0.015	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
B2-W	NA	NA	<0.005	<0.005	<0.005	<0.015	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
B3-W	NA	NA	<0.005	<0.005	<0.005	<0.015	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
B5-W ^a	NA	NA	<0.005	<0.005	<0.005	<0.015	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
B6-W ^b	NA	NA	<0.005	<0.005	<0.005	<0.015	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
B7-W ^b	NA	NA	<0.005	<0.005	<0.005	<0.015	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
B8-W	25	NA	3.4	6.6	2.0	3.9	<0.005	4.1	2.4	5.4	<0.005	0.970

Notes:

- 1 All results given in milligrams per liter.
2. TPHg and TPHd = total petroleum hydrocarbons as gasoline and diesel by Environmental Protection Agency (EPA) Method 8015M.
3. Volatile organic compounds (VOCs) by EPA Method 8260. Other VOCs by EPA Method 8260 not reported in concentrations greater than the reporting limit.
4. The less than symbol (<) indicates that the constituent was not detected in concentrations greater than the value given.
5. Samples were also analyzed for PAHs by EPA Method 8270. No analytes were identified above the laboratory detection limits.

TABLE 5
 SOIL SAMPLE ANALYTICAL RESULTS
 LEAD ANALYSES
 PROPOSED COMMERCIAL DEVELOPMENT
 229 CASTRO STREET AND 720 SECOND STREET, OAKLAND, CALIFORNIA

Sample No.	Depth Interval	Total Lead ¹	Soluble Lead ²
B1	18 to 24 inches	46	NA
B2	18 to 24 inches	140	NA
B3	18 to 24 inches	410	NA
B4	30 to 36 inches	780	NA
B5	30 to 36 inches	2600	NA
B6	36 to 42 inches	3300	NA
B7	30 to 36 inches	1000	NA
B8	36 to 42 inches	<1	NA
B9	30 to 36 inches	3300	NA
S1	0 to 6 inches	280	0.5
S2	0 to 6 inches	99	0.1
S3	0 to 6 inches	620	1.3
S4	0 to 6 inches	180	0.4
S5	6 to 12 inches	2400	24
S6	6 to 12 inches	590	5.9
S7	6 to 12 inches	110	0.1
S8	6 to 12 inches	50	<0.1
S9	6 to 12 inches	310	0.5
S10	12 to 18 inches	1100	10
S11	12 to 18 inches	180	<0.1
S12	12 to 18 inches	200	0.3
S13	12 to 18 inches	1100	3.1
S14	12 to 18 inches	18	<0.1
S15	12 to 18 inches	68	<0.1
S16	0 to 6 inches	NA	2.6
S18	6 to 12 inches	NA	<0.1
S20	0 to 6 inches	95	NA
S21	12 to 18 inches	<1	NA
S22	6 to 12 inches	130	NA
80% UCL		961	NC

Notes:

- 1 Total lead results given in milligrams per kilogram.
- 2 Soluble lead results given in milligrams per liter.
- 3 The samples were analyzed for lead by EPA Methods 6010 and 7471.
- 4 Depth is given in inches below the ground surface.
- 5 NA = not analyzed
- 6 NC = not calculated

27 samples

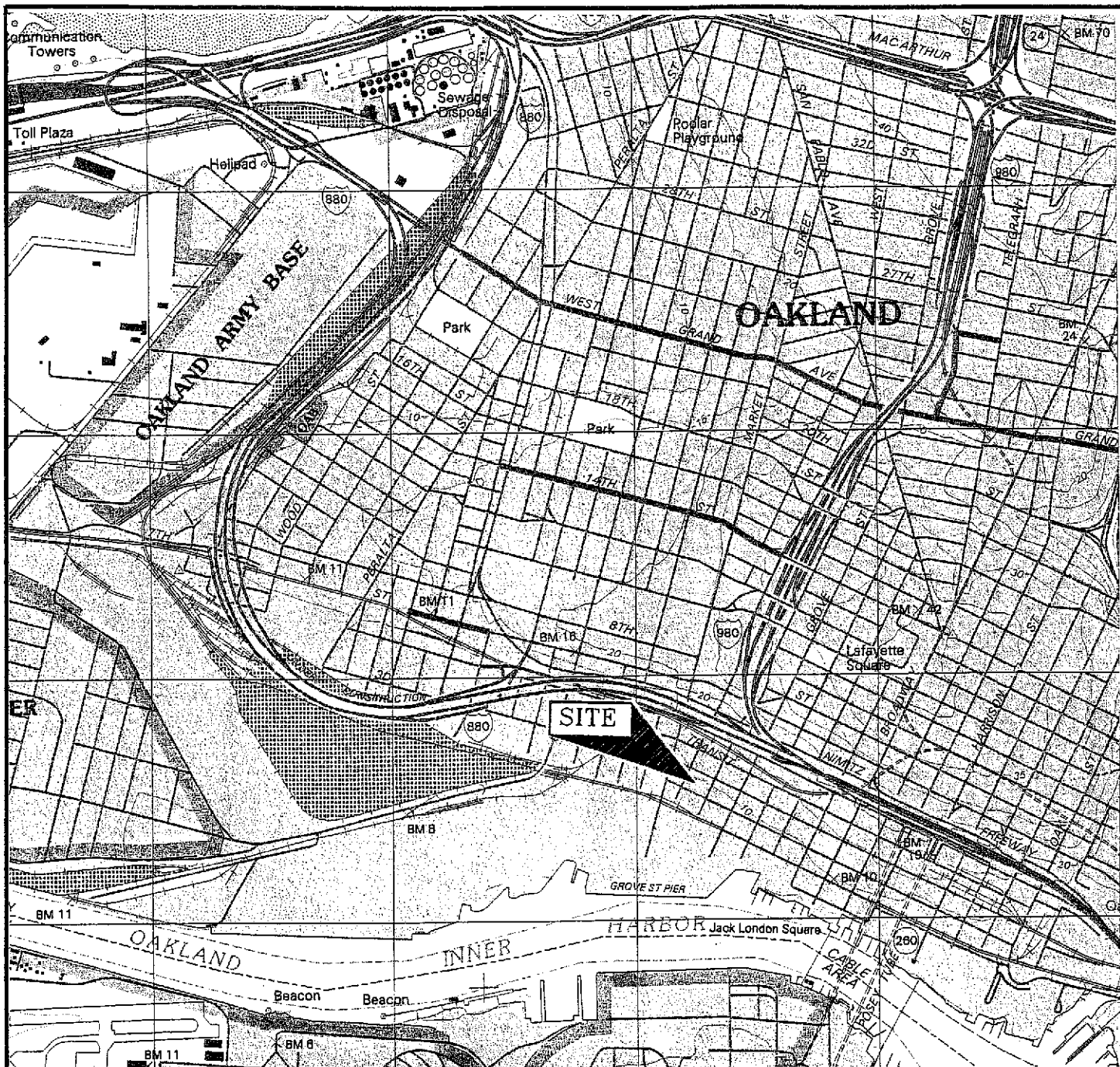
17 samples

$$\frac{48.8}{17} = 2.87$$

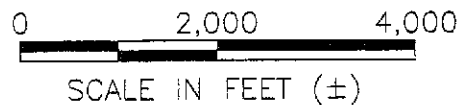
18% of samples
 > 5.00 mg/L

$$\frac{19106}{27} = 707.6$$

22% of samples > 1000 ppm



MAP SOURCE:
 USGS QUADRANGLE, 7.5-MINUTE (TOPOGRAPHIC)
 OAKLAND WEST (DATED 1993)



VICINITY MAP

City Block Bound By:
 Second, Third, Castro, &
 Brush Streets
 Oakland, California

Scale: AS SHOWN	Date: 2/00
Drawn by: AJG	Approved by: AJG
Project No. 044-00006	Figure No. 1

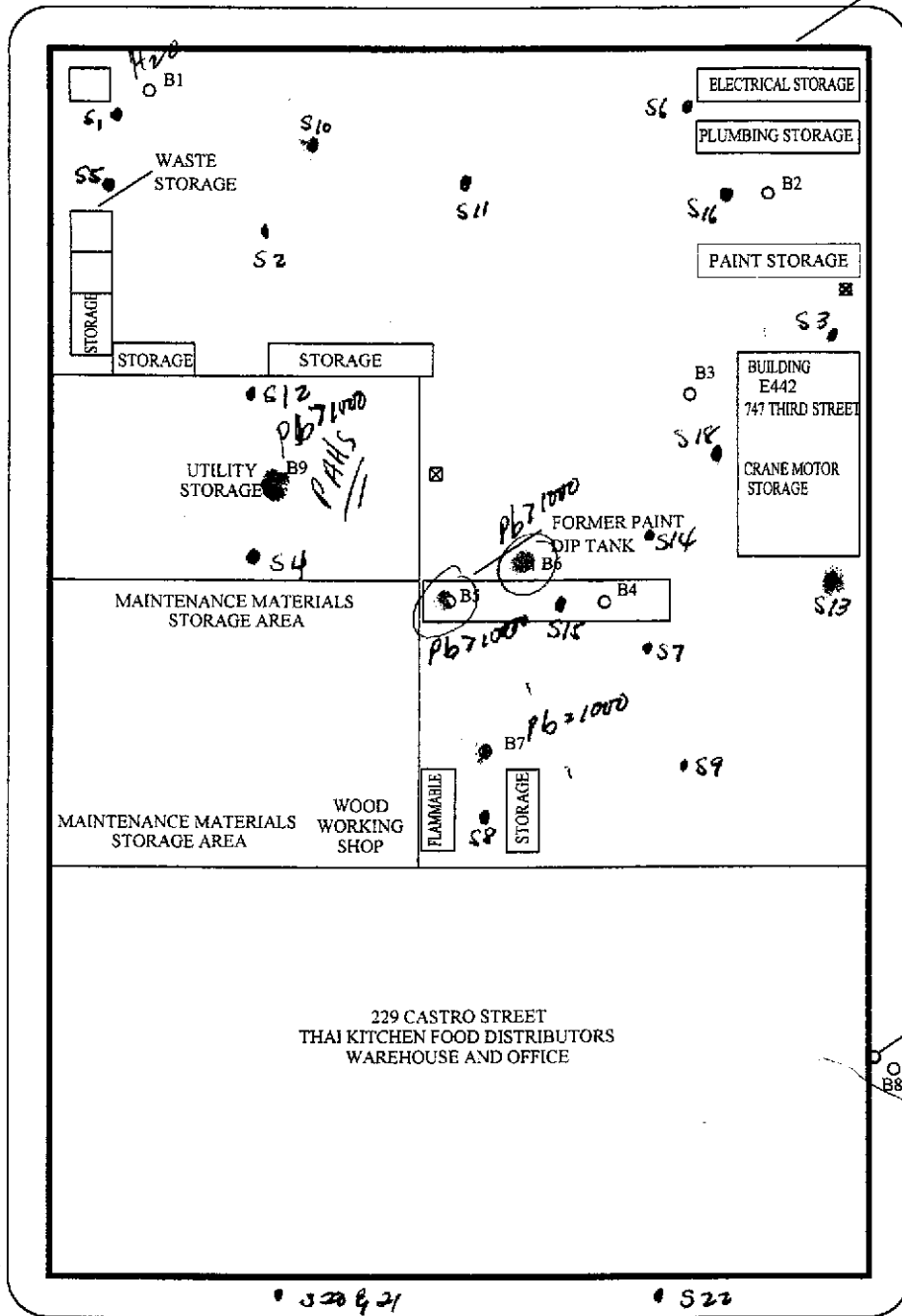
Krazan
 ENGINEERS, GEOLOGISTS AND ENVIRONMENTAL SPECIALISTS
 Offices Serving the Western United States

BRUSH STREET

APPROXIMATE PROPERTY BOUNDARY

SECOND STREET

THIRD STREET



EXPLANATION

- ☒ STORM DRAIN
- B¹ BORING LOCATION AND DESIGNATION
- ☒ PROPOSED BORING NOT COMPLETED

NOTES:

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE
2. BASE MAP FROM FIELD MEASUREMENTS AND SANBORN MAPS

SOIL BORING LOCATION MAP

CITY BLOCK BOUND BY:
SECOND, THIRD, CASTRO, &
BRUSH STREETS
OAKLAND, CALIFORNIA

SCALE: AS SHOWN	DATE: 02/00
DRAWN BY: AJG	APPROVED BY: AJG
PROJECT NO. 044-00006	FIGURE NO. 2

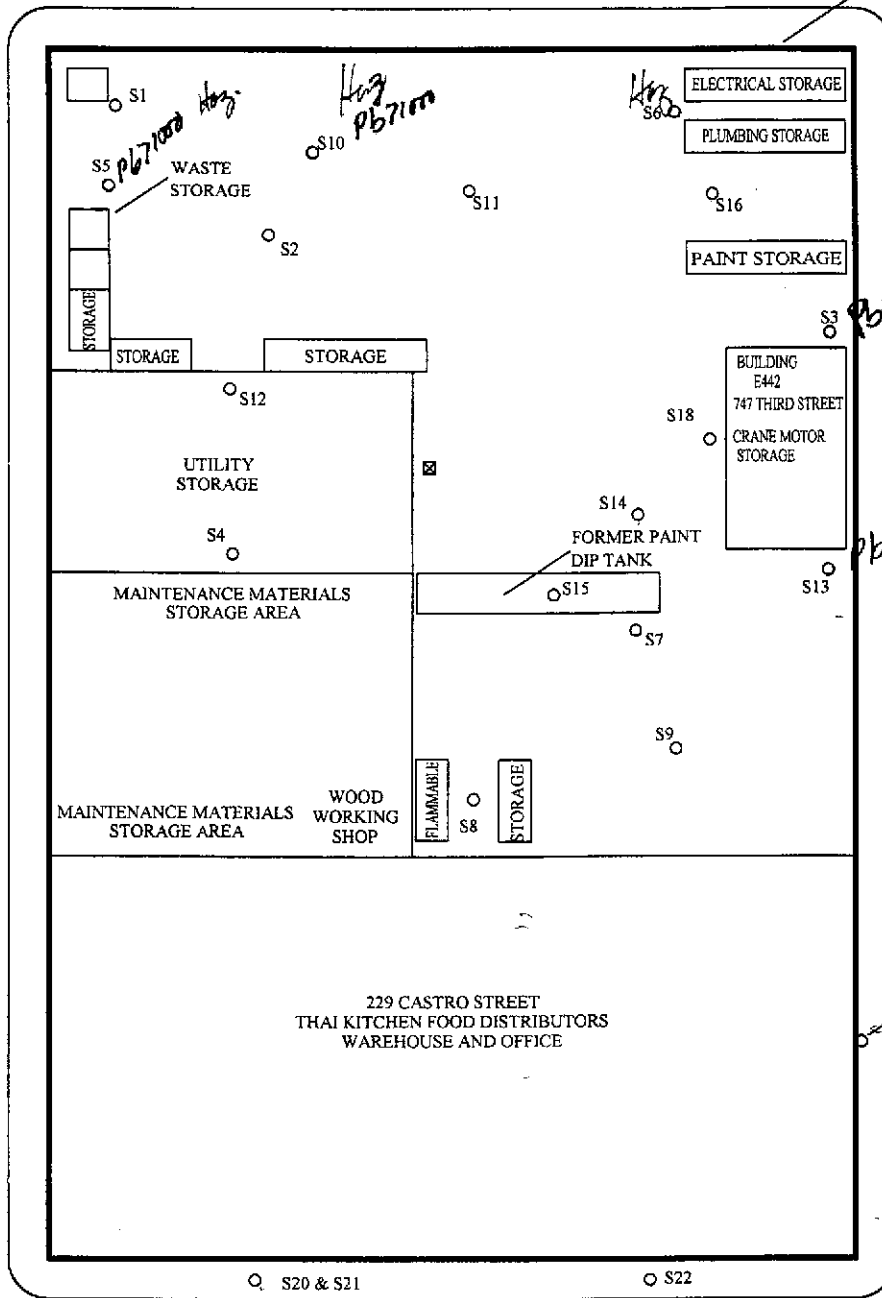
Krazan
SITE DEVELOPMENT ENGINEERS
Offices Serving the Western United States

BRUSH STREET

APPROXIMATE PROPERTY BOUNDARY

SECOND STREET

THIRD STREET



CASTRO STREET

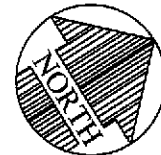
EXPLANATION

☒ STORM DRAIN

○ S1 SAMPLING LOCATIONS AND DESIGNATIONS

NOTES:

- 1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE
- 2. BASE MAP FROM FIELD MEASUREMENTS AND SANBORN MAPS



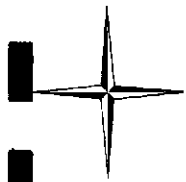
SCALE IN FEET (±)

Pb

SOIL SAMPLE
LOCATION MAP
CITY BLOCK BOUND BY:
SECOND, THIRD, CASTRO, &
BRUSH STREETS
OAKLAND, CALIFORNIA

SCALE: AS SHOWN	DATE: 03/00
DRAWN BY: AJG	APPROVED BY: AJG
PROJECT NO. 044-00006	FIGURE NO. 3

Krazan
SITE DEVELOPMENT ENGINEERS
Offices Serving the Western United States



SunStar Laboratories, Inc.

February 15, 2000

Alex Gallego
Krazan & Associates, Inc.
550 Parrott Street
Suite 1
San Jose, CA 95112

SunStar Laboratories Batch Number: T-1623

Dear Mr. Gallego:

This report contains the analytical results for twenty (20) soils and seven (7) liquid samples received under chain of custody by SunStar Laboratories on February 14, 2000. These samples are associated with your 04400006 project.

Project Summary

Samples were received in good condition. Sample container(s) and label(s) agreed with the chain of custody as to sample ID, collection time/ date, requested analyses and/or preservatives.

Samples were received in time to meet the method holding time specifications.

All applicable internal quality control analyses including calibration verifications, calibration (instrumentation), method blanks, matrix spike (MS) and matrix spike duplicate (MSD) met method specified acceptance criteria. Any anomalies are reported within the case narrative. There are no anomalies associated with this batch number.

If you require further information or clarification, please feel free to contact me at (714) 505-4010.

Sincerely,


Reviewer

SunStar Laboratories, Inc.

Quality Control Analysis EPA 8260

Client: Krazan & Associates, Inc.
Project Manager: Alex Gallego

Date Analyzed: 2/16/00
Batch: T-1623
Matrix: Soil
Sample Spiked T1622-02

Project Number
4400006

Matrix Spike and Matrix Spike Duplicate Analysis

Compound	Conc. Spike Added($\mu\text{g}/\text{Kg}$)	Sample Result	Conc. MS	% Rec.	Conc. MSD	% Rec.	RPD	QC Limits	
								RPD	Percent Recovery
1,1 Dichloroethene	100	0.0	90	90	98	98	8.5	20	75-125
Benzene	100	0.0	101	101	108	108	6.7	20	75-125
Trichloroethene	100	0.0	93	93	101	101	8.2	20	75-125
Toluene	100	0.0	102	102	112	112	9.3	20	75-125
Chlorobenzene	100	0.0	108	108	119	119	9.7	20	75-125

SunStar Laboratories, Inc.

Analytical Report EPA 8260

Client: Krazan & Associates, Inc.
Project Manager: Alex Gallego

Project Number
4400006

Sample ID: Method Blank
Date Sampled: NA
Date Received: NA
Date Analyzed: 2/16/00
Laboratory ID: T1623-MB
Matrix: Soil

Surrogate Compounds	Conc.(µg/Kg)	%Rec.
Dibromofluoromethane	34.39	86
Toluene-d8	35.94	90
4-Bromofluorobenzene	40.91	102

Compound	Concentration (µg/Kg)	RL(µg/Kg)
Dichlorodifluoromethane	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	10
1,1-Dichloroethene	ND	10
Methylene chloride	ND	10
MTBE	ND	20
trans-1,2-Dichloroethene	ND	10
1,1-Dichloroethane	ND	10
2,2-Dichloropropane	ND	5
cis-1,2-Dichloroethene	ND	5
Bromochloromethane	ND	5
Chloroform	ND	5
1,1,1-Trichloroethane	ND	5
Carbon Tetrachloride	ND	5
1-1-Dichloropropene	ND	5
Benzene	ND	5
1,2-Dichloroethane	ND	5
Trichloroethene	ND	5
1,2-Dichloropropane	ND	5
Dibromomethane	ND	5
Bromodichloromethane	ND	5
cis-1,3-Dichloropropene	ND	5
Toluene	ND	5
trans-1,3-Dichloropropene	ND	5
1,1,2-Trichloroethane	ND	5
Tetrachloroethene	ND	5
1,3-Dichloropropane	ND	5
Dibromochloromethane	ND	5
1,2-Dibromoethane	ND	5
Chlorobenzene	ND	5
1,1,1,2-Tetrachloroethane	ND	5
Ethyl benzene	ND	5
m&p-Xylene	ND	10
o-Xylene	ND	5

SunStar Laboratories, Inc.

Client: Krazan & Associates, Inc.
Project Manager: Alex Gallego

Sample ID: Method Blank
Date Sampled: NA
Date Received: NA
Date Analyzed: 2/16/00
Laboratory ID: T1623-MB
Matrix: Soil

Project Number
4400006

Styrene	ND	5
Bromoform	ND	5
Isopropylbenzene	ND	5
Bromobenzene	ND	5
1,1,2,2-Tetrachloroethane	ND	5
1,2,3-Trichloropropane	ND	5
n-Propylbenzene	ND	5
2-Chlorotoluene	ND	5
4-Chlorotoluene	ND	5
1,3,5-Trimethylbenzene	ND	5
tert-Butylbenzene	ND	5
1,2,4-Trimethylbenzene	ND	5
sec-Butylbenzene	ND	5
1,3-Dichlorobenzene	ND	5
p-Isopropyltoluene	ND	5
1,4-Dichlorobenzene	ND	5
1,2-Dichlorobenzene	ND	5
1,2,4-Trichlorobenzene	ND	5
Hexachlorobutadiene	ND	5
Naphthalene	ND	5
1,2,3-Trichlorobenzene	ND	5

SunStar Laboratories, Inc.

Analytical Report EPA 8260

Client: Krazan & Associates, Inc.
Project Manager: Alex Gallego

Project Number
4400006

Sample ID: B1-2
Date Sampled: 2/11/00
Date Received: 2/12/00
Date Analyzed: 2/16/00
Laboratory ID: T1623-01
Matrix: Soil

Surrogate Compounds	Conc.(µg/Kg)	%Rec.
Dibromofluoromethane	29.9	75
Toluene-d8	39.0	98
4-Bromofluorobenzene	41.6	104

Compound	Concentration (µg/Kg)	RL(µg/Kg)
Dichlorodifluoromethane	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	10
1,1-Dichloroethene	ND	10
Methylene chloride	ND	10
MTBE	ND	20
trans-1,2-Dichloroethene	ND	10
1,1-Dichloroethane	ND	10
2,2-Dichloropropane	ND	5
cis-1,2-Dichloroethene	ND	5
Bromochloromethane	ND	5
Chloroform	ND	5
1,1,1-Trichloroethane	ND	5
Carbon Tetrachloride	ND	5
1-1-Dichloropropene	ND	5
Benzene	84	5
1,2-Dichloroethane	ND	5
Trichloroethene	ND	5
1,2-Dichloropropane	ND	5
Dibromomethane	ND	5
Bromodichloromethane	ND	5
cis-1,3-Dichloropropene	ND	5
Toluene	200	5
trans-1,3-Dichloropropene	ND	5
1,1,2-Trichloroethane	ND	5
Tetrachloroethene	ND	5
1,3-Dichloropropane	ND	5
Dibromochloromethane	ND	5
1,2-Dibromoethane	ND	5
Chlorobenzene	ND	5
1,1,1,2-Tetrachloroethane	ND	5
Ethyl benzene	67	5
m&p-Xylene	330	10
o-Xylene	90	5

SunStar Laboratories, Inc.

Client: Krazan & Associates, Inc.
Project Manager: Alex Gallego

Project Number
4400006

Sample ID: B1-2
Date Sampled: 2/11/00
Date Received: 2/12/00
Date Analyzed: 2/16/00
Laboratory ID: T1623-01
Matrix: Soil

Styrene	ND	5
Bromoform	ND	5
Isopropylbenzene	11	5
Bromobenzene	ND	5
1,1,2,2-Tetrachloroethane	ND	5
1,2,3-Trichloropropane	ND	5
n-Propylbenzene	32	5
2-Chlorotoluene	ND	5
4-Chlorotoluene	ND	5
1,3,5-Trimethylbenzene	10	5
tert-Butylbenzene	ND	5
1,2,4-Trimethylbenzene	190	5
sec-Butylbenzene	ND	5
1,3-Dichlorobenzene	ND	5
p-Isopropyltoluene	7	5
1,4-Dichlorobenzene	ND	5
1,2-Dichlorobenzene	ND	5
1,2,4-Trichlorobenzene	ND	5
Hexachlorobutadiene	ND	5
Naphthalene	180	5
1,2,3-Trichlorobenzene	ND	5

SunStar Laboratories, Inc.

Analytical Report EPA 8260

Client: Krazan & Associates, Inc.
Project Manager: Alex Gallego

Sample ID: B2-2
Date Sampled: 2/11/00
Date Received: 2/12/00
Date Analyzed: 2/16/00
Laboratory ID: T1623-02
Matrix: Soil

Project Number
4400006

<u>Surrogate Compounds</u>	<u>Conc. (µg/Kg)</u>	<u>%Rec.</u>
Dibromofluoromethane	32.1	80
Toluene-d8	40.6	102
4-Bromofluorobenzene	44.5	111

Compound	Concentration (µg/Kg)	RL(µg/Kg)
Dichlorodifluoromethane	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	10
1,1-Dichloroethene	ND	10
Methylene chloride	ND	10
MTBE	ND	20
trans-1,2-Dichloroethene	ND	10
1,1-Dichloroethane	ND	10
2,2-Dichloropropane	ND	5
cis-1,2-Dichloroethene	ND	5
Bromochloromethane	ND	5
Chloroform	ND	5
1,1,1-Trichloroethane	ND	5
Carbon Tetrachloride	ND	5
1-1-Dichloropropene	ND	5
Benzene	50	5
1,2-Dichloroethane	ND	5
Trichloroethene	ND	5
1,2-Dichloropropane	ND	5
Dibromomethane	ND	5
Bromodichloromethane	ND	5
cis-1,3-Dichloropropene	ND	5
Toluene	140	5
trans-1,3-Dichloropropene	ND	5
1,1,2-Trichloroethane	ND	5
Tetrachloroethene	ND	5
1,3-Dichloropropane	ND	5
Dibromochloromethane	ND	5
1,2-Dibromoethane	ND	5
Chlorobenzene	ND	5
1,1,1,2-Tetrachloroethane	ND	5
Ethyl benzene	42	5
m&p-Xylene	180	10
o-Xylene	39	5

SunStar Laboratories, Inc.

Client: Krazan & Associates, Inc.
Project Manager: Alex Gallego

Sample ID: B2-2
Date Sampled: 2/11/00
Date Received: 2/12/00
Date Analyzed: 2/16/00
Laboratory ID: T1623-02
Matrix: Soil

Project Number
4400006

Styrene	ND	5
Bromoform	ND	5
Isopropylbenzene	ND	5
Bromobenzene	ND	5
1,1,2,2-Tetrachloroethane	ND	5
1,2,3-Trichloropropane	ND	5
n-Propylbenzene	14	5
2-Chlorotoluene	ND	5
4-Chlorotoluene	ND	5
1,3,5-Trimethylbenzene	ND	5
tert-Butylbenzene	ND	5
1,2,4-Trimethylbenzene	77	5
sec-Butylbenzene	ND	5
1,3-Dichlorobenzene	ND	5
p-Isopropyltoluene	ND	5
1,4-Dichlorobenzene	ND	5
1,2-Dichlorobenzene	ND	5
1,2,4-Trichlorobenzene	ND	5
Hexachlorobutadiene	ND	5
Naphthalene	96	5
1,2,3-Trichlorobenzene	ND	5

SunStar Laboratories, Inc.

Analytical Report EPA 8260

Client: Krazan & Associates, Inc.
Project Manager: Alex Gallego

Project Number
4400006

Sample ID: B3-2
Date Sampled: 2/11/00
Date Received: 2/12/00
Date Analyzed: 2/16/00
Laboratory ID: T1623-03
Matrix: Soil

Surrogate Compounds	Conc. (µg/Kg)	%Rec.
Dibromofluoromethane	31.3	78
Toluene-d8	39.1	98
4-Bromofluorobenzene	42.3	106

Compound	Concentration (µg/Kg)	RL(µg/Kg)
Dichlorodifluoromethane	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	10
1,1-Dichloroethene	ND	10
Methylene chloride	ND	10
MTBE	ND	20
trans-1,2-Dichloroethene	ND	10
1,1-Dichloroethane	ND	10
2,2-Dichloropropane	ND	5
cis-1,2-Dichloroethene	ND	5
Bromochloromethane	ND	5
Chloroform	ND	5
1,1,1-Trichloroethane	ND	5
Carbon Tetrachloride	ND	5
1-1-Dichloropropene	ND	5
Benzene	10	5
1,2-Dichloroethane	ND	5
Trichloroethene	ND	5
1,2-Dichloropropane	ND	5
Dibromomethane	ND	5
Bromodichloromethane	ND	5
cis-1,3-Dichloropropene	ND	5
Toluene	29	5
trans-1,3-Dichloropropene	ND	5
1,1,2-Trichloroethane	ND	5
Tetrachloroethene	ND	5
1,3-Dichloropropane	ND	5
Dibromochloromethane	ND	5
1,2-Dibromoethane	ND	5
Chlorobenzene	ND	5
1,1,1,2-Tetrachloroethane	ND	5
Ethyl benzene	9	5
m&p-Xylene	39	10
o-Xylene	9	5

SunStar Laboratories, Inc.

Client: Krazan & Associates, Inc.
Project Manager: Alex Gallego

Sample ID: B3-2
Date Sampled: 2/11/00
Date Received: 2/12/00
Date Analyzed: 2/16/00
Laboratory ID: T1623-03
Matrix: Soil

Project Number
4400006

Styrene	ND	5
Bromoform	ND	5
Isopropylbenzene	ND	5
Bromobenzene	ND	5
1,1,2,2-Tetrachloroethane	ND	5
1,2,3-Trichloropropane	ND	5
n-Propylbenzene	ND	5
2-Chlorotoluene	ND	5
4-Chlorotoluene	ND	5
1,3,5-Trimethylbenzene	ND	5
tert-Butylbenzene	ND	5
1,2,4-Trimethylbenzene	17	5
sec-Butylbenzene	ND	5
1,3-Dichlorobenzene	ND	5
p-Isopropyltoluene	ND	5
1,4-Dichlorobenzene	ND	5
1,2-Dichlorobenzene	ND	5
1,2,4-Trichlorobenzene	ND	5
Hexachlorobutadiene	ND	5
Naphthalene	23	5
1,2,3-Trichlorobenzene	ND	5

SunStar Laboratories, Inc.

Analytical Report EPA 8260

Client: Krazan & Associates, Inc.
Project Manager: Alex Gallego

Sample ID: B4-3
Date Sampled: 2/11/00
Date Received: 2/12/00
Date Analyzed: 2/16/00
Laboratory ID: T1623-04
Matrix: Soil

Project Number
4400006

Surrogate Compounds	Conc. (µg/Kg)	%Rec.
Dibromofluoromethane	35.2	88
Toluene-d8	40.1	100
4-Bromofluorobenzene	41.1	103

Compound	Concentration (µg/Kg)	RL(µg/Kg)
Dichlorodifluoromethane	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	10
1,1-Dichloroethene	ND	10
Methylene chloride	ND	10
MTBE	ND	20
trans-1,2-Dichloroethene	ND	10
1,1-Dichloroethane	ND	10
2,2-Dichloropropane	ND	5
cis-1,2-Dichloroethene	ND	5
Bromochloromethane	ND	5
Chloroform	ND	5
1,1,1-Trichloroethane	ND	5
Carbon Tetrachloride	ND	5
1-1-Dichloropropene	ND	5
Benzene	ND	5
1,2-Dichloroethane	ND	5
Trichloroethene	ND	5
1,2-Dichloropropane	ND	5
Dibromomethane	ND	5
Bromodichloromethane	ND	5
cis-1,3-Dichloropropene	ND	5
Toluene	6	5
trans-1,3-Dichloropropene	ND	5
1,1,2-Trichloroethane	ND	5
Tetrachloroethene	ND	5
1,3-Dichloropropane	ND	5
Dibromochloromethane	ND	5
1,2-Dibromoethane	ND	5
Chlorobenzene	ND	5
1,1,1,2-Tetrachloroethane	ND	5
Ethyl benzene	ND	5
m&p-Xylene	ND	10
o-Xylene	ND	5

SunStar Laboratories, Inc.

Client: Krazan & Associates, Inc.
Project Manager: Alex Gallego

Project Number
4400006

Sample ID: B4-3
Date Sampled: 2/11/00
Date Received: 2/12/00
Date Analyzed: 2/16/00
Laboratory ID: T1623-04
Matrix: Soil

Styrene	ND	5
Bromoform	ND	5
Isopropylbenzene	ND	5
Bromobenzene	ND	5
1,1,2,2-Tetrachloroethane	ND	5
1,2,3-Trichloropropane	ND	5
n-Propylbenzene	ND	5
2-Chlorotoluene	ND	5
4-Chlorotoluene	ND	5
1,3,5-Trimethylbenzene	ND	5
tert-Butylbenzene	ND	5
1,2,4-Trimethylbenzene	ND	5
sec-Butylbenzene	ND	5
1,3-Dichlorobenzene	ND	5
p-Isopropyltoluene	ND	5
1,4-Dichlorobenzene	ND	5
1,2-Dichlorobenzene	ND	5
1,2,4-Trichlorobenzene	ND	5
Hexachlorobutadiene	ND	5
Naphthalene	ND	5
1,2,3-Trichlorobenzene	ND	5

SunStar Laboratories, Inc.

Analytical Report EPA 8260

Client: Krazan & Associates, Inc.
Project Manager: Alex Gallego

Sample ID: B5-3
Date Sampled: 2/11/00
Date Received: 2/12/00
Date Analyzed: 2/16/00
Laboratory ID: T1623-05
Matrix: Soil

Project Number
4400006

Surrogate Compounds	Conc. (µg/Kg)	%Rec.
Dibromofluoromethane	33.1	83
Toluene-d8	39.9	100
4-Bromofluorobenzene	40.2	100

Compound	Concentration (µg/Kg)	RL(µg/Kg)
Dichlorodifluoromethane	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	10
1,1-Dichloroethene	ND	10
Methylene chloride	ND	10
MTBE	ND	20
trans-1,2-Dichloroethene	ND	10
1,1-Dichloroethane	ND	10
2,2-Dichloropropane	ND	5
cis-1,2-Dichloroethene	ND	5
Bromochloromethane	ND	5
Chloroform	ND	5
1,1,1-Trichloroethane	ND	5
Carbon Tetrachloride	ND	5
1-1-Dichloropropene	ND	5
Benzene	ND	5
1,2-Dichloroethane	ND	5
Trichloroethene	ND	5
1,2-Dichloropropane	ND	5
Dibromomethane	ND	5
Bromodichloromethane	ND	5
cis-1,3-Dichloropropene	ND	5
Toluene	5	5
trans-1,3-Dichloropropene	ND	5
1,1,2-Trichloroethane	ND	5
Tetrachloroethene	ND	5
1,3-Dichloropropane	ND	5
Dibromochloromethane	ND	5
1,2-Dibromoethane	ND	5
Chlorobenzene	ND	5
1,1,1,2-Tetrachloroethane	ND	5
Ethyl benzene	ND	5
m&p-Xylene	ND	10
o-Xylene	ND	5

SunStar Laboratories, Inc.

Client: Krazan & Associates, Inc.
Project Manager: Alex Gallego

Project Number
4400006

Sample ID: B5-3
Date Sampled: 2/11/00
Date Received: 2/12/00
Date Analyzed: 2/16/00
Laboratory ID: T1623-05
Matrix: Soil

Styrene	ND	5
Bromoform	ND	5
Isopropylbenzene	ND	5
Bromobenzene	ND	5
1,1,2,2-Tetrachloroethane	ND	5
1,2,3-Trichloropropane	ND	5
n-Propylbenzene	ND	5
2-Chlorotoluene	ND	5
4-Chlorotoluene	ND	5
1,3,5-Trimethylbenzene	ND	5
tert-Butylbenzene	ND	5
1,2,4-Trimethylbenzene	ND	5
sec-Butylbenzene	ND	5
1,3-Dichlorobenzene	ND	5
p-Isopropyltoluene	ND	5
1,4-Dichlorobenzene	ND	5
1,2-Dichlorobenzene	ND	5
1,2,4-Trichlorobenzene	ND	5
Hexachlorobutadiene	ND	5
Naphthalene	ND	5
1,2,3-Trichlorobenzene	ND	5

SunStar Laboratories, Inc.

Analytical Report EPA 8260

Client: Krazan & Associates, Inc.

Project Manager: Alex Gallego

Project Number

4400006

Sample ID: B6-3.5

Date Sampled: 2/11/00

Date Received: 2/12/00

Date Analyzed: 2/16/00

Laboratory ID: T1623-06

Matrix: Soil

Surrogate Compounds	Conc. (µg/Kg)	%Rec.
Dibromofluoromethane	35.6	89
Toluene-d8	39.8	100
4-Bromofluorobenzene	40.6	102

Compound	Concentration (µg/Kg)	RL(µg/Kg)
Dichlorodifluoromethane	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	10
1,1-Dichloroethene	ND	10
Methylene chloride	ND	10
MTBE	ND	20
trans-1,2-Dichloroethene	ND	10
1,1-Dichloroethane	ND	10
2,2-Dichloropropane	ND	5
cis-1,2-Dichloroethene	ND	5
Bromochloromethane	ND	5
Chloroform	ND	5
1,1,1-Trichloroethane	ND	5
Carbon Tetrachloride	ND	5
1-1-Dichloropropene	ND	5
Benzene	ND	5
1,2-Dichloroethane	ND	5
Trichloroethene	ND	5
1,2-Dichloropropane	ND	5
Dibromomethane	ND	5
Bromodichloromethane	ND	5
cis-1,3-Dichloropropene	ND	5
Toluene	5	5
trans-1,3-Dichloropropene	ND	5
1,1,2-Trichloroethane	ND	5
Tetrachloroethene	ND	5
1,3-Dichloropropane	ND	5
Dibromochloromethane	ND	5
1,2-Dibromoethane	ND	5
Chlorobenzene	ND	5
1,1,1,2-Tetrachloroethane	ND	5
Ethyl benzene	ND	5
m&p-Xylene	ND	10
o-Xylene	ND	5

SunStar Laboratories, Inc.

Client: Krazan & Associates, Inc.
Project Manager: Alex Gallego

Project Number
4400006

Sample ID: B6-3.5
Date Sampled: 2/11/00
Date Received: 2/12/00
Date Analyzed: 2/16/00
Laboratory ID: T1623-06
Matrix: Soil

Styrene	ND	5
Bromoform	ND	5
Isopropylbenzene	ND	5
Bromobenzene	ND	5
1,1,2,2-Tetrachloroethane	ND	5
1,2,3-Trichloropropane	ND	5
n-Propylbenzene	ND	5
2-Chlorotoluene	ND	5
4-Chlorotoluene	ND	5
1,3,5-Trimethylbenzene	ND	5
tert-Butylbenzene	ND	5
1,2,4-Trimethylbenzene	ND	5
sec-Butylbenzene	ND	5
1,3-Dichlorobenzene	ND	5
p-Isopropyltoluene	ND	5
1,4-Dichlorobenzene	ND	5
1,2-Dichlorobenzene	ND	5
1,2,4-Trichlorobenzene	ND	5
Hexachlorobutadiene	ND	5
Naphthalene	ND	5
1,2,3-Trichlorobenzene	ND	5

SunStar Laboratories, Inc.

Analytical Report EPA 8260

Client: Krazan & Associates, Inc.
Project Manager: Alex Gallego

Project Number
4400006

Sample ID: B7-3
Date Sampled: 2/11/00
Date Received: 2/12/00
Date Analyzed: 2/16/00
Laboratory ID: T1623-07
Matrix: Soil

Surrogate Compounds	Conc. (µg/Kg)	%Rec.
Dibromofluoromethane	39.8	99
Toluene-d8	41.9	105
4-Bromofluorobenzene	44.1	110

Compound	Concentration (µg/Kg)	RL(µg/Kg)
Dichlorodifluoromethane	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	10
1,1-Dichloroethene	ND	10
Methylene chloride	ND	10
MTBE	ND	20
trans-1,2-Dichloroethene	ND	10
1,1-Dichloroethane	ND	10
2,2-Dichloropropane	ND	5
cis-1,2-Dichloroethene	ND	5
Bromochloromethane	ND	5
Chloroform	ND	5
1,1,1-Trichloroethane	ND	5
Carbon Tetrachloride	ND	5
1-1-Dichloropropene	ND	5
Benzene	ND	5
1,2-Dichloroethane	ND	5
Trichloroethene	ND	5
1,2-Dichloropropane	ND	5
Dibromomethane	ND	5
Bromodichloromethane	ND	5
cis-1,3-Dichloropropene	ND	5
Toluene	9	5
trans-1,3-Dichloropropene	ND	5
1,1,2-Trichloroethane	ND	5
Tetrachloroethene	ND	5
1,3-Dichloropropane	ND	5
Dibromochloromethane	ND	5
1,2-Dibromoethane	ND	5
Chlorobenzene	ND	5
1,1,1,2-Tetrachloroethane	ND	5
Ethyl benzene	ND	5
m&p-Xylene	12	10
o-Xylene	ND	5

SunStar Laboratories, Inc.

Client: Krazan & Associates, Inc.
Project Manager: Alex Gallego

Project Number
4400006

Sample ID: B7-3
Date Sampled: 2/11/00
Date Received: 2/12/00
Date Analyzed: 2/16/00
Laboratory ID: T1623-07
Matrix: Soil

Styrene	ND	5
Bromoform	ND	5
Isopropylbenzene	ND	5
Bromobenzene	ND	5
1,1,2,2-Tetrachloroethane	ND	5
1,2,3-Trichloropropane	ND	5
n-Propylbenzene	ND	5
2-Chlorotoluene	ND	5
4-Chlorotoluene	ND	5
1,3,5-Trimethylbenzene	ND	5
tert-Butylbenzene	ND	5
1,2,4-Trimethylbenzene	ND	5
sec-Butylbenzene	ND	5
1,3-Dichlorobenzene	ND	5
p-Isopropyltoluene	ND	5
1,4-Dichlorobenzene	ND	5
1,2-Dichlorobenzene	ND	5
1,2,4-Trichlorobenzene	ND	5
Hexachlorobutadiene	ND	5
Naphthalene	ND	5
1,2,3-Trichlorobenzene	ND	5

SunStar Laboratories, Inc.

Analytical Report EPA 8260

Client: Krazan & Associates, Inc.
Project Manager: Alex Gallego

Sample ID: B8-3.5
Date Sampled: 2/11/00
Date Received: 2/12/00
Date Analyzed: 2/16/00
Laboratory ID: T1623-08
Matrix: Soil

Project Number
4400006

<u>Surrogate Compounds</u>	<u>Conc. (µg/Kg)</u>	<u>%Rec.</u>
Dibromofluoromethane	38.2	95
Toluene-d8	40.6	101
4-Bromofluorobenzene	43.5	109

Compound	Concentration (µg/Kg)	RL (µg/Kg)
Dichlorodifluoromethane	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	10
1,1-Dichloroethene	ND	10
Methylene chloride	ND	10
MTBE	ND	20
trans-1,2-Dichloroethene	ND	10
1,1-Dichloroethane	ND	10
2,2-Dichloropropane	ND	5
cis-1,2-Dichloroethene	ND	5
Bromochloromethane	ND	5
Chloroform	ND	5
1,1,1-Trichloroethane	ND	5
Carbon Tetrachloride	ND	5
1-1-Dichloropropene	ND	5
Benzene	ND	5
1,2-Dichloroethane	ND	5
Trichloroethene	ND	5
1,2-Dichloropropane	ND	5
Dibromomethane	ND	5
Bromodichloromethane	ND	5
cis-1,3-Dichloropropene	ND	5
Toluene	ND	5
trans-1,3-Dichloropropene	ND	5
1,1,2-Trichloroethane	ND	5
Tetrachloroethene	ND	5
1,3-Dichloropropane	ND	5
Dibromochloromethane	ND	5
1,2-Dibromoethane	ND	5
Chlorobenzene	ND	5
1,1,1,2-Tetrachloroethane	ND	5
Ethyl benzene	ND	5
m&p-Xylene	ND	10
o-Xylene	ND	5

SunStar Laboratories, Inc.

Client: Krazan & Associates, Inc.
Project Manager: Alex Gallego

Project Number
4400006

Sample ID: B8-3.5
Date Sampled: 2/11/00
Date Received: 2/12/00
Date Analyzed: 2/16/00
Laboratory ID: T1623-08
Matrix: Soil

Styrene	ND	5
Bromoform	ND	5
Isopropylbenzene	ND	5
Bromobenzene	ND	5
1,1,2,2-Tetrachloroethane	ND	5
1,2,3-Trichloropropane	ND	5
n-Propylbenzene	ND	5
2-Chlorotoluene	ND	5
4-Chlorotoluene	ND	5
1,3,5-Trimethylbenzene	ND	5
tert-Butylbenzene	ND	5
1,2,4-Trimethylbenzene	ND	5
sec-Butylbenzene	ND	5
1,3-Dichlorobenzene	ND	5
p-Isopropyltoluene	ND	5
1,4-Dichlorobenzene	ND	5
1,2-Dichlorobenzene	ND	5
1,2,4-Trichlorobenzene	ND	5
Hexachlorobutadiene	ND	5
Naphthalene	ND	5
1,2,3-Trichlorobenzene	ND	5

SunStar Laboratories, Inc.

Analytical Report EPA 8260

Client: Krazan & Associates, Inc.
Project Manager: Alex Gallego

Project Number
4400006

Sample ID: B9-3
Date Sampled: 2/11/00
Date Received: 2/12/00
Date Analyzed: 2/16/00
Laboratory ID: T1623-09
Matrix: Soil

Surrogate Compounds	Conc.(µg/Kg)	%Rec.
Dibromofluoromethane	39.3	98
Toluene-d8	39.7	99
4-Bromofluorobenzene	41.6	104

Compound	Concentration (µg/Kg)	RL(µg/Kg)
Dichlorodifluoromethane	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	10
1,1-Dichloroethene	ND	10
Methylene chloride	ND	10
MTBE	ND	20
trans-1,2-Dichloroethene	ND	10
1,1-Dichloroethane	ND	10
2,2-Dichloropropane	ND	5
cis-1,2-Dichloroethene	ND	5
Bromochloromethane	ND	5
Chloroform	ND	5
1,1,1-Trichloroethane	ND	5
Carbon Tetrachloride	ND	5
1-1-Dichloropropene	ND	5
Benzene	ND	5
1,2-Dichloroethane	ND	5
Trichloroethene	ND	5
1,2-Dichloropropane	ND	5
Dibromomethane	ND	5
Bromodichloromethane	ND	5
cis-1,3-Dichloropropene	ND	5
Toluene	ND	5
trans-1,3-Dichloropropene	ND	5
1,1,2-Trichloroethane	ND	5
Tetrachloroethene	ND	5
1,3-Dichloropropane	ND	5
Dibromochloromethane	ND	5
1,2-Dibromoethane	ND	5
Chlorobenzene	ND	5
1,1,1,2-Tetrachloroethane	ND	5
Ethyl benzene	ND	5
m&p-Xylene	ND	10
o-Xylene	ND	5

SunStar Laboratories, Inc.

Client: Krazan & Associates, Inc.
Project Manager: Alex Gallego

Project Number
4400006

Sample ID: B9-3
Date Sampled: 2/11/00
Date Received: 2/12/00
Date Analyzed: 2/16/00
Laboratory ID: T1623-09
Matrix: Soil

Styrene	ND	5
Bromoform	ND	5
Isopropylbenzene	ND	5
Bromobenzene	ND	5
1,1,2,2-Tetrachloroethane	ND	5
1,2,3-Trichloropropane	ND	5
n-Propylbenzene	ND	5
2-Chlorotoluene	ND	5
4-Chlorotoluene	ND	5
1,3,5-Trimethylbenzene	ND	5
tert-Butylbenzene	ND	5
1,2,4-Trimethylbenzene	ND	5
sec-Butylbenzene	ND	5
1,3-Dichlorobenzene	ND	5
p-Isopropyltoluene	ND	5
1,4-Dichlorobenzene	ND	5
1,2-Dichlorobenzene	ND	5
1,2,4-Trichlorobenzene	ND	5
Hexachlorobutadiene	ND	5
Naphthalene	ND	5
1,2,3-Trichlorobenzene	ND	5

SunStar Laboratories, Inc.

Analytical Report EPA 8260

Client: Krazan & Associates, Inc.
Project Manager: Alex Gallego

Sample ID: B1-7.5
Date Sampled: 2/11/00
Date Received: 2/12/00
Date Analyzed: 2/16/00
Laboratory ID: T1623-10
Matrix: Soil

Project Number
4400006

Surrogate Compounds	Conc. (µg/Kg)	%Rec.
Dibromofluoromethane	36.8	92
Toluene-d8	40.6	102
4-Bromofluorobenzene	43.0	107

Compound	Concentration (µg/Kg)	RL(µg/Kg)
Dichlorodifluoromethane	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	10
1,1-Dichloroethene	ND	10
Methylene chloride	ND	10
MTBE	ND	20
trans-1,2-Dichloroethene	ND	10
1,1-Dichloroethane	ND	10
2,2-Dichloropropane	ND	5
cis-1,2-Dichloroethene	ND	5
Bromochloromethane	ND	5
Chloroform	ND	5
1,1,1-Trichloroethane	ND	5
Carbon Tetrachloride	ND	5
1-1-Dichloropropene	ND	5
Benzene	ND	5
1,2-Dichloroethane	ND	5
Trichloroethene	ND	5
1,2-Dichloropropane	ND	5
Dibromomethane	ND	5
Bromodichloromethane	ND	5
cis-1,3-Dichloropropene	ND	5
Toluene	ND	5
trans-1,3-Dichloropropene	ND	5
1,1,2-Trichloroethane	ND	5
Tetrachloroethene	ND	5
1,3-Dichloropropane	ND	5
Dibromochloromethane	ND	5
1,2-Dibromoethane	ND	5
Chlorobenzene	ND	5
1,1,1,2-Tetrachloroethane	ND	5
Ethyl benzene	ND	5
m&p-Xylene	ND	10
o-Xylene	ND	5

SunStar Laboratories, Inc.

Client: Krazan & Associates, Inc.
Project Manager: Alex Gallego

Project Number
4400006

Sample ID: B1-7.5
Date Sampled: 2/11/00
Date Received: 2/12/00
Date Analyzed: 2/16/00
Laboratory ID: T1623-10
Matrix: Soil

Styrene	ND	5
Bromoform	ND	5
Isopropylbenzene	ND	5
Bromobenzene	ND	5
1,1,2,2-Tetrachloroethane	ND	5
1,2,3-Trichloropropane	ND	5
n-Propylbenzene	ND	5
2-Chlorotoluene	ND	5
4-Chlorotoluene	ND	5
1,3,5-Trimethylbenzene	ND	5
tert-Butylbenzene	ND	5
1,2,4-Trimethylbenzene	ND	5
sec-Butylbenzene	ND	5
1,3-Dichlorobenzene	ND	5
p-Isopropyltoluene	ND	5
1,4-Dichlorobenzene	ND	5
1,2-Dichlorobenzene	ND	5
1,2,4-Trichlorobenzene	ND	5
Hexachlorobutadiene	ND	5
Naphthalene	ND	5
1,2,3-Trichlorobenzene	ND	5

SunStar Laboratories, Inc.

Analytical Report EPA 8260

Client: Krazan & Associates, Inc.
Project Manager: Alex Gallego

Sample ID: B2-6
Date Sampled: 2/11/00
Date Received: 2/12/00
Date Analyzed: 2/16/00
Laboratory ID: T1623-11
Matrix: Soil

Project Number
4400006

Surrogate Compounds	Conc. (µg/Kg)	%Rec.
Dibromofluoromethane	37.8	95
Toluene-d8	40.5	101
4-Bromofluorobenzene	42.8	107

Compound	Concentration (µg/Kg)	RL(µg/Kg)
Dichlorodifluoromethane	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	10
1,1-Dichloroethene	ND	10
Methylene chloride	ND	10
MTBE	ND	20
trans-1,2-Dichloroethene	ND	10
1,1-Dichloroethane	ND	10
2,2-Dichloropropane	ND	5
cis-1,2-Dichloroethene	ND	5
Bromochloromethane	ND	5
Chloroform	ND	5
1,1,1-Trichloroethane	ND	5
Carbon Tetrachloride	ND	5
1-1-Dichloropropene	ND	5
Benzene	ND	5
1,2-Dichloroethane	ND	5
Trichloroethene	ND	5
1,2-Dichloropropane	ND	5
Dibromomethane	ND	5
Bromodichloromethane	ND	5
cis-1,3-Dichloropropene	ND	5
Toluene	ND	5
trans-1,3-Dichloropropene	ND	5
1,1,2-Trichloroethane	ND	5
Tetrachloroethene	ND	5
1,3-Dichloropropane	ND	5
Dibromochloromethane	ND	5
1,2-Dibromoethane	ND	5
Chlorobenzene	ND	5
1,1,1,2-Tetrachloroethane	ND	5
Ethyl benzene	ND	5
m&p-Xylene	ND	10
o-Xylene	ND	5

SunStar Laboratories, Inc.

Client: Krazan & Associates, Inc.
Project Manager: Alex Gallego

Sample ID: B2-6
Date Sampled: 2/11/00
Date Received: 2/12/00
Date Analyzed: 2/16/00
Laboratory ID: T1623-11
Matrix: Soil

Project Number
4400006

Styrene	ND	5
Bromoform	ND	5
Isopropylbenzene	ND	5
Bromobenzene	ND	5
1,1,2,2-Tetrachloroethane	ND	5
1,2,3-Trichloropropane	ND	5
n-Propylbenzene	ND	5
2-Chlorotoluene	ND	5
4-Chlorotoluene	ND	5
1,3,5-Trimethylbenzene	ND	5
tert-Butylbenzene	ND	5
1,2,4-Trimethylbenzene	ND	5
sec-Butylbenzene	ND	5
1,3-Dichlorobenzene	ND	5
p-Isopropyltoluene	ND	5
1,4-Dichlorobenzene	ND	5
1,2-Dichlorobenzene	ND	5
1,2,4-Trichlorobenzene	ND	5
Hexachlorobutadiene	ND	5
Naphthalene	ND	5
1,2,3-Trichlorobenzene	ND	5

SunStar Laboratories, Inc.

Analytical Report EPA 8260

Client: Krazan & Associates, Inc.
Project Manager: Alex Gallego

Project Number
4400006

Sample ID: B3-7.5
Date Sampled: 2/11/00
Date Received: 2/12/00
Date Analyzed: 2/16/00
Laboratory ID: T1623-12
Matrix: Soil

<u>Surrogate Compounds</u>	<u>Conc. (µg/Kg)</u>	<u>%Rec.</u>
Dibromofluoromethane	37.2	93
Toluene-d8	40.4	101
4-Bromofluorobenzene	42.4	106

<u>Compound</u>	<u>Concentration (µg/Kg)</u>	<u>RL(µg/Kg)</u>
Dichlorodifluoromethane	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	10
1,1-Dichloroethene	ND	10
Methylene chloride	ND	10
MTBE	ND	20
trans-1,2-Dichloroethene	ND	10
1,1-Dichloroethane	ND	10
2,2-Dichloropropane	ND	5
cis-1,2-Dichloroethene	ND	5
Bromochloromethane	ND	5
Chloroform	ND	5
1,1,1-Trichloroethane	ND	5
Carbon Tetrachloride	ND	5
1-1-Dichloropropene	ND	5
Benzene	ND	5
1,2-Dichloroethane	ND	5
Trichloroethene	ND	5
1,2-Dichloropropane	ND	5
Dibromomethane	ND	5
Bromodichloromethane	ND	5
cis-1,3-Dichloropropene	ND	5
Toluene	ND	5
trans-1,3-Dichloropropene	ND	5
1,1,2-Trichloroethane	ND	5
Tetrachloroethene	ND	5
1,3-Dichloropropane	ND	5
Dibromochloromethane	ND	5
1,2-Dibromoethane	ND	5
Chlorobenzene	ND	5
1,1,1,2-Tetrachloroethane	ND	5
Ethyl benzene	ND	5
m&p-Xylene	ND	10
o-Xylene	ND	5

SunStar Laboratories, Inc.

Client: Krazan & Associates, Inc.
Project Manager: Alex Gallego

Sample ID: B3-7.5
Date Sampled: 2/11/00
Date Received: 2/12/00
Date Analyzed: 2/16/00
Laboratory ID: T1623-12
Matrix: Soil

Project Number
4400006

Styrene	ND	5
Bromoform	ND	5
Isopropylbenzene	ND	5
Bromobenzene	ND	5
1,1,2,2-Tetrachloroethane	ND	5
1,2,3-Trichloropropane	ND	5
n-Propylbenzene	ND	5
2-Chlorotoluene	ND	5
4-Chlorotoluene	ND	5
1,3,5-Trimethylbenzene	ND	5
tert-Butylbenzene	ND	5
1,2,4-Trimethylbenzene	ND	5
sec-Butylbenzene	ND	5
1,3-Dichlorobenzene	ND	5
p-Isopropyltoluene	ND	5
1,4-Dichlorobenzene	ND	5
1,2-Dichlorobenzene	ND	5
1,2,4-Trichlorobenzene	ND	5
Hexachlorobutadiene	ND	5
Naphthalene	ND	5
1,2,3-Trichlorobenzene	ND	5

SunStar Laboratories, Inc.

Analytical Report EPA 8260

Client: Krazan & Associates, Inc.
Project Manager: Alex Gallego

Project Number
4400006

Sample ID: B4-7
Date Sampled: 2/11/00
Date Received: 2/12/00
Date Analyzed: 2/16/00
Laboratory ID: T1623-13
Matrix: Soil

<u>Surrogate Compounds</u>	<u>Conc. (µg/Kg)</u>	<u>%Rec.</u>
Dibromofluoromethane	36.1	90
Toluene-d8	40.5	101
4-Bromofluorobenzene	42.1	105

Compound	Concentration (µg/Kg)	RL(µg/Kg)
Dichlorodifluoromethane	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	10
1,1-Dichloroethene	ND	10
Methylene chloride	ND	10
MTBE	ND	20
trans-1,2-Dichloroethene	ND	10
1,1-Dichloroethane	ND	10
2,2-Dichloropropane	ND	5
cis-1,2-Dichloroethene	ND	5
Bromochloromethane	ND	5
Chloroform	ND	5
1,1,1-Trichloroethane	ND	5
Carbon Tetrachloride	ND	5
1-1-Dichloropropene	ND	5
Benzene	ND	5
1,2-Dichloroethane	ND	5
Trichloroethene	ND	5
1,2-Dichloropropane	ND	5
Dibromomethane	ND	5
Bromodichloromethane	ND	5
cis-1,3-Dichloropropene	ND	5
Toluene	35	5
trans-1,3-Dichloropropene	ND	5
1,1,2-Trichloroethane	ND	5
Tetrachloroethene	ND	5
1,3-Dichloropropane	ND	5
Dibromochloromethane	ND	5
1,2-Dibromoethane	ND	5
Chlorobenzene	ND	5
1,1,1,2-Tetrachloroethane	ND	5
Ethyl benzene	29	5
m&p-Xylene	110	10
o-Xylene	28	5

SunStar Laboratories, Inc.

Client: Krazan & Associates, Inc.
Project Manager: Alex Gallego

Project Number
4400006

Sample ID: B4-7
Date Sampled: 2/11/00
Date Received: 2/12/00
Date Analyzed: 2/16/00
Laboratory ID: T1623-13
Matrix: Soil

Styrene	ND	5
Bromoform	ND	5
Isopropylbenzene	ND	5
Bromobenzene	ND	5
1,1,2,2-Tetrachloroethane	ND	5
1,2,3-Trichloropropane	ND	5
n-Propylbenzene	15	5
2-Chlorotoluene	ND	5
4-Chlorotoluene	ND	5
1,3,5-Trimethylbenzene	ND	5
tert-Butylbenzene	ND	5
1,2,4-Trimethylbenzene	69	5
sec-Butylbenzene	ND	5
1,3-Dichlorobenzene	ND	5
p-Isopropyltoluene	ND	5
1,4-Dichlorobenzene	ND	5
1,2-Dichlorobenzene	ND	5
1,2,4-Trichlorobenzene	ND	5
Hexachlorobutadiene	ND	5
Naphthalene	ND	5
1,2,3-Trichlorobenzene	ND	5

SunStar Laboratories, Inc.

Analytical Report EPA 8260

Client: Krazan & Associates, Inc.
Project Manager: Alex Gallego

Sample ID: B5-7
Date Sampled: 2/11/00
Date Received: 2/12/00
Date Analyzed: 2/16/00
Laboratory ID: T1623-14
Matrix: Soil

Project Number
4400006

Surrogate Compounds	Conc. (µg/Kg)	%Rec.
Dibromofluoromethane	36.7	92
Toluene-d8	40.2	100
4-Bromofluorobenzene	41.3	103

Compound	Concentration (µg/Kg)	RL(µg/Kg)
Dichlorodifluoromethane	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	10
1,1-Dichloroethene	ND	10
Methylene chloride	ND	10
MTBE	ND	20
trans-1,2-Dichloroethene	ND	10
1,1-Dichloroethane	ND	10
2,2-Dichloropropane	ND	5
cis-1,2-Dichloroethene	ND	5
Bromochloromethane	ND	5
Chloroform	ND	5
1,1,1-Trichloroethane	ND	5
Carbon Tetrachloride	ND	5
1-1-Dichloropropene	ND	5
Benzene	ND	5
1,2-Dichloroethane	ND	5
Trichloroethene	ND	5
1,2-Dichloropropane	ND	5
Dibromomethane	ND	5
Bromodichloromethane	ND	5
cis-1,3-Dichloropropene	ND	5
Toluene	ND	5
trans-1,3-Dichloropropene	ND	5
1,1,2-Trichloroethane	ND	5
Tetrachloroethene	ND	5
1,3-Dichloropropane	ND	5
Dibromochloromethane	ND	5
1,2-Dibromoethane	ND	5
Chlorobenzene	ND	5
1,1,1,2-Tetrachloroethane	ND	5
Ethyl benzene	ND	5
m&p-Xylene	ND	10
o-Xylene	ND	5

SunStar Laboratories, Inc.

Client: Krazan & Associates, Inc.
Project Manager: Alex Gallego

Project Number
4400006

Sample ID: B5-7
Date Sampled: 2/11/00
Date Received: 2/12/00
Date Analyzed: 2/16/00
Laboratory ID: T1623-14
Matrix: Soil

Styrene	ND	5
Bromoform	ND	5
Isopropylbenzene	ND	5
Bromobenzene	ND	5
1,1,2,2-Tetrachloroethane	ND	5
1,2,3-Trichloropropane	ND	5
n-Propylbenzene	ND	5
2-Chlorotoluene	ND	5
4-Chlorotoluene	ND	5
1,3,5-Trimethylbenzene	ND	5
tert-Butylbenzene	ND	5
1,2,4-Trimethylbenzene	ND	5
sec-Butylbenzene	ND	5
1,3-Dichlorobenzene	ND	5
p-Isopropyltoluene	ND	5
1,4-Dichlorobenzene	ND	5
1,2-Dichlorobenzene	ND	5
1,2,4-Trichlorobenzene	ND	5
Hexachlorobutadiene	ND	5
Naphthalene	ND	5
1,2,3-Trichlorobenzene	ND	5

SunStar Laboratories, Inc.

Analytical Report EPA 8260

Client: Krazan & Associates, Inc.
Project Manager: Alex Gallego

Sample ID: B6-7
Date Sampled: 2/11/00
Date Received: 2/12/00
Date Analyzed: 2/16/00
Laboratory ID: T1623-15
Matrix: Soil

Project Number
4400006

Surrogate Compounds	Conc. (µg/Kg)	%Rec.
Dibromofluoromethane	36.6	91
Toluene-d8	40.0	100
4-Bromofluorobenzene	41.6	104

Compound	Concentration (µg/Kg)	RL(µg/Kg)
Dichlorodifluoromethane	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	10
1,1-Dichloroethene	ND	10
Methylene chloride	ND	10
MTBE	ND	20
trans-1,2-Dichloroethene	ND	10
1,1-Dichloroethane	ND	10
2,2-Dichloropropane	ND	5
cis-1,2-Dichloroethene	ND	5
Bromochloromethane	ND	5
Chloroform	ND	5
1,1,1-Trichloroethane	ND	5
Carbon Tetrachloride	ND	5
1-1-Dichloropropene	ND	5
Benzene	ND	5
1,2-Dichloroethane	ND	5
Trichloroethene	ND	5
1,2-Dichloropropane	ND	5
Dibromomethane	ND	5
Bromodichloromethane	ND	5
cis-1,3-Dichloropropene	ND	5
Toluene	ND	5
trans-1,3-Dichloropropene	ND	5
1,1,2-Trichloroethane	ND	5
Tetrachloroethene	ND	5
1,3-Dichloropropane	ND	5
Dibromochloromethane	ND	5
1,2-Dibromoethane	ND	5
Chlorobenzene	ND	5
1,1,1,2-Tetrachloroethane	ND	5
Ethyl benzene	ND	5
m&p-Xylene	ND	10
o-Xylene	ND	5

SunStar Laboratories, Inc.

Client: Krazan & Associates, Inc.
Project Manager: Alex Gallego

Sample ID: B6-7
Date Sampled: 2/11/00
Date Received: 2/12/00
Date Analyzed: 2/16/00
Laboratory ID: T1623-15
Matrix: Soil

Project Number
4400006

Styrene	ND	5
Bromoform	ND	5
Isopropylbenzene	ND	5
Bromobenzene	ND	5
1,1,2,2-Tetrachloroethane	ND	5
1,2,3-Trichloropropane	ND	5
n-Propylbenzene	ND	5
2-Chlorotoluene	ND	5
4-Chlorotoluene	ND	5
1,3,5-Trimethylbenzene	ND	5
tert-Butylbenzene	ND	5
1,2,4-Trimethylbenzene	ND	5
sec-Butylbenzene	ND	5
1,3-Dichlorobenzene	ND	5
p-Isopropyltoluene	ND	5
1,4-Dichlorobenzene	ND	5
1,2-Dichlorobenzene	ND	5
1,2,4-Trichlorobenzene	ND	5
Hexachlorobutadiene	ND	5
Naphthalene	ND	5
1,2,3-Trichlorobenzene	ND	5

SunStar Laboratories, Inc.

Analytical Report EPA 8260

Client: Krazan & Associates, Inc.
Project Manager: Alex Gallego

Project Number
4400006

Sample ID: B7-7
Date Sampled: 2/11/00
Date Received: 2/12/00
Date Analyzed: 2/16/00
Laboratory ID: T1623-16
Matrix: Soil

<u>Surrogate Compounds</u>	<u>Conc. (µg/Kg)</u>	<u>%Rec.</u>
Dibromofluoromethane	36.6	92
Toluene-d8	40.4	101
4-Bromofluorobenzene	41.2	103

Compound	Concentration (µg/Kg)	RL(µg/Kg)
Dichlorodifluoromethane	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	10
1,1-Dichloroethene	ND	10
Methylene chloride	ND	10
MTBE	ND	20
trans-1,2-Dichloroethene	ND	10
1,1-Dichloroethane	ND	10
2,2-Dichloropropane	ND	5
cis-1,2-Dichloroethene	ND	5
Bromochloromethane	ND	5
Chloroform	ND	5
1,1,1-Trichloroethane	ND	5
Carbon Tetrachloride	ND	5
1-1-Dichloropropene	ND	5
Benzene	ND	5
1,2-Dichloroethane	ND	5
Trichloroethene	ND	5
1,2-Dichloropropane	ND	5
Dibromomethane	ND	5
Bromodichloromethane	ND	5
cis-1,3-Dichloropropene	ND	5
Toluene	ND	5
trans-1,3-Dichloropropene	ND	5
1,1,2-Trichloroethane	ND	5
Tetrachloroethene	ND	5
1,3-Dichloropropane	ND	5
Dibromochloromethane	ND	5
1,2-Dibromoethane	ND	5
Chlorobenzene	ND	5
1,1,1,2-Tetrachloroethane	ND	5
Ethyl benzene	ND	5
m&p-Xylene	ND	10
o-Xylene	ND	5

SunStar Laboratories, Inc.

Client: Krazan & Associates, Inc.
Project Manager: Alex Gallego

Project Number
4400006

Sample ID: B7-7
Date Sampled: 2/11/00
Date Received: 2/12/00
Date Analyzed: 2/16/00
Laboratory ID: T1623-16
Matrix: Soil

Styrene	ND	5
Bromoform	ND	5
Isopropylbenzene	ND	5
Bromobenzene	ND	5
1,1,2,2-Tetrachloroethane	ND	5
1,2,3-Trichloropropane	ND	5
n-Propylbenzene	ND	5
2-Chlorotoluene	ND	5
4-Chlorotoluene	ND	5
1,3,5-Trimethylbenzene	ND	5
tert-Butylbenzene	ND	5
1,2,4-Trimethylbenzene	ND	5
sec-Butylbenzene	ND	5
1,3-Dichlorobenzene	ND	5
p-Isopropyltoluene	ND	5
1,4-Dichlorobenzene	ND	5
1,2-Dichlorobenzene	ND	5
1,2,4-Trichlorobenzene	ND	5
Hexachlorobutadiene	ND	5
Naphthalene	ND	5
1,2,3-Trichlorobenzene	ND	5

SunStar Laboratories, Inc.

Analytical Report EPA 8260

Client: Krazan & Associates, Inc.
Project Manager: Alex Gallego

Sample ID: B8-7
Date Sampled: 2/11/00
Date Received: 2/12/00
Date Analyzed: 2/16/00
Laboratory ID: T1623-17
Matrix: Soil

Project Number
4400006

Surrogate Compounds	Conc. (µg/Kg)	%Rec.
Dibromofluoromethane	31.7	79
Toluene-d8	34.2	86
4-Bromofluorobenzene	48.3	121

Compound	Concentration (µg/Kg)	RL(µg/Kg)
Dichlorodifluoromethane	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	10
1,1-Dichloroethene	ND	10
Methylene chloride	ND	10
MTBE	ND	20
trans-1,2-Dichloroethene	ND	10
1,1-Dichloroethane	ND	10
2,2-Dichloropropane	ND	5
cis-1,2-Dichloroethene	ND	5
Bromochloromethane	ND	5
Chloroform	ND	5
1,1,1-Trichloroethane	ND	5
Carbon Tetrachloride	ND	5
1-1-Dichloropropene	ND	5
Benzene	1,700	5
1,2-Dichloroethane	ND	5
Trichloroethene	ND	5
1,2-Dichloropropane	ND	5
Dibromomethane	ND	5
Bromodichloromethane	ND	5
cis-1,3-Dichloropropene	ND	5
Toluene	6,000	5
trans-1,3-Dichloropropene	ND	5
1,1,2-Trichloroethane	ND	5
Tetrachloroethene	ND	5
1,3-Dichloropropane	ND	5
Dibromochloromethane	ND	5
1,2-Dibromoethane	ND	5
Chlorobenzene	ND	5
1,1,1,2-Tetrachloroethane	ND	5
Ethyl benzene	4,400	5
m&p-Xylene	6,400	10
o-Xylene	4,000	5

SunStar Laboratories, Inc.

Client: Krazan & Associates, Inc.
Project Manager: Alex Gallego

Sample ID: B8-7
Date Sampled: 2/11/00
Date Received: 2/12/00
Date Analyzed: 2/16/00
Laboratory ID: T1623-17
Matrix: Soil

Project Number
4400006

Styrene	ND	5
Bromoform	ND	5
Isopropylbenzene	1,200	5
Bromobenzene	ND	5
1,1,2,2-Tetrachloroethane	ND	5
1,2,3-Trichloropropane	ND	5
n-Propylbenzene	1,300	5
2-Chlorotoluene	ND	5
4-Chlorotoluene	ND	5
1,3,5-Trimethylbenzene	600	5
tert-Butylbenzene	ND	5
1,2,4-Trimethylbenzene	2,500	5
sec-Butylbenzene	360	5
1,3-Dichlorobenzene	ND	5
p-Isopropyltoluene	470	5
1,4-Dichlorobenzene	ND	5
1,2-Dichlorobenzene	ND	5
1,2,4-Trichlorobenzene	ND	5
Hexachlorobutadiene	ND	5
Naphthalene	450	5
1,2,3-Trichlorobenzene	ND	5

SunStar Laboratories, Inc.

Analytical Report EPA 8260

Client: Krazan & Associates, Inc.
Project Manager: Alex Gallego

Project Number
4400006

Sample ID: B9-7
Date Sampled: 2/11/00
Date Received: 2/12/00
Date Analyzed: 2/16/00
Laboratory ID: T1623-18
Matrix: Soil

Surrogate Compounds	Conc. (µg/Kg)	%Rec.
Dibromofluoromethane	31.6	79
Toluene-d8	40.1	100
4-Bromofluorobenzene	41.0	102

Compound	Concentration (µg/Kg)	RL(µg/Kg)
Dichlorodifluoromethane	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	10
1,1-Dichloroethene	ND	10
Methylene chloride	ND	10
MTBE	ND	20
trans-1,2-Dichloroethene	ND	10
1,1-Dichloroethane	ND	10
2,2-Dichloropropane	ND	5
cis-1,2-Dichloroethene	ND	5
Bromochloromethane	ND	5
Chloroform	ND	5
1,1,1-Trichloroethane	ND	5
Carbon Tetrachloride	ND	5
1-1-Dichloropropene	ND	5
Benzene	ND	5
1,2-Dichloroethane	ND	5
Trichloroethene	ND	5
1,2-Dichloropropane	ND	5
Dibromomethane	ND	5
Bromodichloromethane	ND	5
cis-1,3-Dichloropropene	ND	5
Toluene	27	5
trans-1,3-Dichloropropene	ND	5
1,1,2-Trichloroethane	ND	5
Tetrachloroethene	ND	5
1,3-Dichloropropane	ND	5
Dibromochloromethane	ND	5
1,2-Dibromoethane	ND	5
Chlorobenzene	ND	5
1,1,1,2-Tetrachloroethane	ND	5
Ethyl benzene	14	5
m&p-Xylene	58	10
o-Xylene	10	5

SunStar Laboratories, Inc.

Client: Krazan & Associates, Inc.
Project Manager: Alex Gallego

Project Number
4400006

Sample ID: B9-7
Date Sampled: 2/11/00
Date Received: 2/12/00
Date Analyzed: 2/16/00
Laboratory ID: T1623-18
Matrix: Soil

Styrene	ND	5
Bromoform	ND	5
Isopropylbenzene	ND	5
Bromobenzene	ND	5
1,1,2,2-Tetrachloroethane	ND	5
1,2,3-Trichloropropane	ND	5
n-Propylbenzene	ND	5
2-Chlorotoluene	ND	5
4-Chlorotoluene	ND	5
1,3,5-Trimethylbenzene	ND	5
tert-Butylbenzene	ND	5
1,2,4-Trimethylbenzene	42	5
sec-Butylbenzene	ND	5
1,3-Dichlorobenzene	ND	5
p-Isopropyltoluene	ND	5
1,4-Dichlorobenzene	ND	5
1,2-Dichlorobenzene	ND	5
1,2,4-Trichlorobenzene	ND	5
Hexachlorobutadiene	ND	5
Naphthalene	87	5
1,2,3-Trichlorobenzene	ND	5

SunStar Laboratories, Inc.

Analytical Report EPA 8260

Client: Krazan & Associates, Inc.
Project Manager: Alex Gallego

Project Number
4400006

Sample ID: B8-13.5
Date Sampled: 2/11/00
Date Received: 2/12/00
Date Analyzed: 2/16/00
Laboratory ID: T1623-19
Matrix: Soil

<u>Surrogate Compounds</u>	<u>Conc. (µg/Kg)</u>	<u>%Rec.</u>
Dibromofluoromethane	31.2	78
Toluene-d8	44.6	112
4-Bromofluorobenzene	28.2	70

Compound	Concentration (µg/Kg)	RL(µg/Kg)
Dichlorodifluoromethane	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	10
1,1-Dichloroethene	ND	10
Methylene chloride	ND	10
MTBE	ND	20
trans-1,2-Dichloroethene	ND	10
1,1-Dichloroethane	ND	10
2,2-Dichloropropane	ND	5
cis-1,2-Dichloroethene	ND	5
Bromochloromethane	ND	5
Chloroform	ND	5
1,1,1-Trichloroethane	ND	5
Carbon Tetrachloride	ND	5
1-1-Dichloropropene	ND	5
Benzene	3,600	5
1,2-Dichloroethane	ND	5
Trichloroethene	ND	5
1,2-Dichloropropane	ND	5
Dibromomethane	ND	5
Bromodichloromethane	ND	5
cis-1,3-Dichloropropene	ND	5
Toluene	18,000	5
trans-1,3-Dichloropropene	ND	5
1,1,1,2-Trichloroethane	ND	5
Tetrachloroethene	ND	5
1,3-Dichloropropane	ND	5
Dibromochloromethane	ND	5
1,2-Dibromoethane	ND	5
Chlorobenzene	ND	5
1,1,1,2-Tetrachloroethane	ND	5
Ethyl benzene	4,200	5
m&p-Xylene	4,500	10
o-Xylene	3,000	5

SunStar Laboratories, Inc.

Client: Krazan & Associates, Inc.
Project Manager: Alex Gallego

Project Number
4400006

Sample ID: B8-13.5
Date Sampled: 2/11/00
Date Received: 2/12/00
Date Analyzed: 2/16/00
Laboratory ID: T1623-19
Matrix: Soil

Styrene	ND	5
Bromoform	ND	5
Isopropylbenzene	820	5
Bromobenzene	ND	5
1,1,2,2-Tetrachloroethane	ND	5
1,2,3-Trichloropropane	ND	5
n-Propylbenzene	2,200	5
2-Chlorotoluene	ND	5
4-Chlorotoluene	ND	5
1,3,5-Trimethylbenzene	1,400	5
tert-Butylbenzene	ND	5
1,2,4-Trimethylbenzene	2,600	5
sec-Butylbenzene	ND	5
1,3-Dichlorobenzene	ND	5
p-Isopropyltoluene	120	5
1,4-Dichlorobenzene	ND	5
1,2-Dichlorobenzene	ND	5
1,2,4-Trichlorobenzene	ND	5
Hexachlorobutadiene	ND	5
Naphthalene	1,600	5
1,2,3-Trichlorobenzene	ND	5

SunStar Laboratories, Inc.

Analytical Report EPA 8260

Client: Krazan & Associates, Inc.
Project Manager: Alex Gallego

Sample ID: B8-15.5
Date Sampled: 2/11/00
Date Received: 2/12/00
Date Analyzed: 2/16/00
Laboratory ID: T1623-20
Matrix: Soil

Project Number
4400006

Surrogate Compounds	Conc. (µg/Kg)	%Rec.
Dibromofluoromethane	30.9	77
Toluene-d8	41.4	103
4-Bromofluorobenzene	45.3	113

Compound	Concentration (µg/Kg)	RL(µg/Kg)
Dichlorodifluoromethane	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	10
1,1-Dichloroethene	ND	10
Methylene chloride	ND	10
MTBE	ND	20
trans-1,2-Dichloroethene	ND	10
1,1-Dichloroethane	ND	10
2,2-Dichloropropane	ND	5
cis-1,2-Dichloroethene	ND	5
Bromochloromethane	ND	5
Chloroform	ND	5
1,1,1-Trichloroethane	ND	5
Carbon Tetrachloride	ND	5
1-1-Dichloropropene	ND	5
Benzene	430	5
1,2-Dichloroethane	ND	5
Trichloroethene	ND	5
1,2-Dichloropropane	ND	5
Dibromomethane	ND	5
Bromodichloromethane	ND	5
cis-1,3-Dichloropropene	ND	5
Toluene	240	5
trans-1,3-Dichloropropene	ND	5
1,1,2-Trichloroethane	ND	5
Tetrachloroethene	ND	5
1,3-Dichloropropane	ND	5
Dibromochloromethane	ND	5
1,2-Dibromoethane	ND	5
Chlorobenzene	ND	5
1,1,1,2-Tetrachloroethane	ND	5
Ethyl benzene	2,000	5
m&p-Xylene	3,000	10
o-Xylene	170	5

SunStar Laboratories, Inc.

Client: Krazan & Associates, Inc.
Project Manager: Alex Gallego

Sample ID: B8-15.5
Date Sampled: 2/11/00
Date Received: 2/12/00
Date Analyzed: 2/16/00
Laboratory ID: T1623-20
Matrix: Soil

Project Number
4400006

Styrene	ND	5
Bromoform	ND	5
Isopropylbenzene	580	5
Bromobenzene	ND	5
1,1,2,2-Tetrachloroethane	ND	5
1,2,3-Trichloropropane	ND	5
n-Propylbenzene	860	5
2-Chlorotoluene	ND	5
4-Chlorotoluene	ND	5
1,3,5-Trimethylbenzene	370	5
tert-Butylbenzene	ND	5
1,2,4-Trimethylbenzene	1,700	5
sec-Butylbenzene	230	5
1,3-Dichlorobenzene	ND	5
p-Isopropyltoluene	360	5
1,4-Dichlorobenzene	ND	5
1,2-Dichlorobenzene	ND	5
1,2,4-Trichlorobenzene	ND	5
Hexachlorobutadiene	ND	5
Naphthalene	800	5
1,2,3-Trichlorobenzene	ND	5

SunStar Laboratories, Inc.

Analytical Report EPA 8260

Client: Krazan & Associates, Inc.
Project Manager: Alex Gallego

Sample ID: B1-W
Date Sampled: 2/11/00
Date Received: 2/12/00
Date Analyzed: 2/16/00
Laboratory ID: T1623-21
Matrix: Water

Project Number

4400006

Surrogate Compounds	Conc.(µg/L)	%Rec.
Dibromofluoromethane	33.3	83
Toluene-d8	38.7	97
4-Bromofluorobenzene	42.4	106

Compound	Concentration (µg/L)	RL(µg/L)
Dichlorodifluoromethane	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	10
1,1-Dichloroethene	ND	10
Methylene chloride	ND	10
MTBE	ND	20
trans-1,2-Dichloroethene	ND	10
1,1-Dichloroethane	ND	10
2,2-Dichloropropane	ND	5
cis-1,2-Dichloroethene	ND	5
Bromochloromethane	ND	5
Chloroform	ND	5
1,1,1-Trichloroethane	ND	5
Carbon Tetrachloride	ND	5
1-1-Dichloropropene	ND	5
Benzene	ND	5
1,2-Dichloroethane	ND	5
Trichloroethene	ND	5
1,2-Dichloropropane	ND	5
Dibromomethane	ND	5
Bromodichloromethane	ND	5
cis-1,3-Dichloropropene	ND	5
Toluene	ND	5
trans-1,3-Dichloropropene	ND	5
1,1,2-Trichloroethane	ND	5
Tetrachloroethene	ND	5
1,3-Dichloropropane	ND	5
Dibromochloromethane	ND	5
1,2-Dibromoethane	ND	5
Chlorobenzene	ND	5
1,1,1,2-Tetrachloroethane	ND	5
Ethyl benzene	ND	5
m&p-Xylene	ND	10
o-Xylene	ND	5

SunStar Laboratories, Inc.

Client: Krazan & Associates, Inc.
Project Manager: Alex Gallego

Sample ID: B1-W
Date Sampled: 2/11/00
Date Received: 2/12/00
Date Analyzed: 2/16/00
Laboratory ID: T1623-21
Matrix: Water

Project Number
4400006

Styrene	ND	5
Bromoform	ND	5
Isopropylbenzene	ND	5
Bromobenzene	ND	5
1,1,2,2-Tetrachloroethane	ND	5
1,2,3-Trichloropropane	ND	5
n-Propylbenzene	ND	5
2-Chlorotoluene	ND	5
4-Chlorotoluene	ND	5
1,3,5-Trimethylbenzene	ND	5
tert-Butylbenzene	ND	5
1,2,4-Trimethylbenzene	ND	5
sec-Butylbenzene	ND	5
1,3-Dichlorobenzene	ND	5
p-Isopropyltoluene	ND	5
1,4-Dichlorobenzene	ND	5
1,2-Dichlorobenzene	ND	5
1,2,4-Trichlorobenzene	ND	5
Hexachlorobutadiene	ND	5
Naphthalene	ND	5
1,2,3-Trichlorobenzene	ND	5

SunStar Laboratories, Inc.

Analytical Report EPA 8260

Client: Krazan & Associates, Inc.
Project Manager: Alex Gallego

Sample ID: B2-W
Date Sampled: 2/11/00
Date Received: 2/12/00
Date Analyzed: 2/16/00
Laboratory ID: T1623-22
Matrix: Water

Project Number
4400006

<u>Surrogate Compounds</u>	<u>Conc.(µg/L)</u>	<u>%Rec.</u>
Dibromofluoromethane	32.5	81
Toluene-d8	38.8	97
4-Bromofluorobenzene	41.7	104

Compound	Concentration (µg/L)	RL(µg/L)
Dichlorodifluoromethane	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	10
1,1-Dichloroethene	ND	10
Methylene chloride	ND	10
MTBE	ND	20
trans-1,2-Dichloroethene	ND	10
1,1-Dichloroethane	ND	10
2,2-Dichloropropane	ND	5
cis-1,2-Dichloroethene	ND	5
Bromochloromethane	ND	5
Chloroform	ND	5
1,1,1-Trichloroethane	ND	5
Carbon Tetrachloride	ND	5
1-1-Dichloropropene	ND	5
Benzene	ND	5
1,2-Dichloroethane	ND	5
Trichloroethene	ND	5
1,2-Dichloropropane	ND	5
Dibromomethane	ND	5
Bromodichloromethane	ND	5
cis-1,3-Dichloropropene	ND	5
Toluene	ND	5
trans-1,3-Dichloropropene	ND	5
1,1,2-Trichloroethane	ND	5
Tetrachloroethene	ND	5
1,3-Dichloropropane	ND	5
Dibromochloromethane	ND	5
1,2-Dibromoethane	ND	5
Chlorobenzene	ND	5
1,1,1,2-Tetrachloroethane	ND	5
Ethyl benzene	ND	5
m&p-Xylene	ND	10
o-Xylene	ND	5

SunStar Laboratories, Inc.

Client: Krazan & Associates, Inc.
Project Manager: Alex Gallego

Project Number
4400006

Sample ID: B2-W
Date Sampled: 2/11/00
Date Received: 2/12/00
Date Analyzed: 2/16/00
Laboratory ID: T1623-22
Matrix: Water

Styrene	ND	5
Bromoform	ND	5
Isopropylbenzene	ND	5
Bromobenzene	ND	5
1,1,2,2-Tetrachloroethane	ND	5
1,2,3-Trichloropropane	ND	5
n-Propylbenzene	ND	5
2-Chlorotoluene	ND	5
4-Chlorotoluene	ND	5
1,3,5-Trimethylbenzene	ND	5
tert-Butylbenzene	ND	5
1,2,4-Trimethylbenzene	ND	5
sec-Butylbenzene	ND	5
1,3-Dichlorobenzene	ND	5
p-Isopropyltoluene	ND	5
1,4-Dichlorobenzene	ND	5
1,2-Dichlorobenzene	ND	5
1,2,4-Trichlorobenzene	ND	5
Hexachlorobutadiene	ND	5
Naphthalene	ND	5
1,2,3-Trichlorobenzene	ND	5

SunStar Laboratories, Inc.

Analytical Report EPA 8260

Client: Krazan & Associates, Inc.
Project Manager: Alex Gallego

Sample ID: B3-W
Date Sampled: 2/11/00
Date Received: 2/12/00
Date Analyzed: 2/16/00
Laboratory ID: T1623-23
Matrix: Water

Project Number
4400006

Surrogate Compounds	Conc. (µg/L)	%Rec.
Dibromofluoromethane	34.2	86
Toluene-d8	38.5	96
4-Bromofluorobenzene	42.1	105

Compound	Concentration (µg/L)	RL(µg/L)
Dichlorodifluoromethane	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	10
1,1-Dichloroethene	ND	10
Methylene chloride	ND	10
MTBE	ND	20
trans-1,2-Dichloroethene	ND	10
1,1-Dichloroethane	ND	10
2,2-Dichloropropane	ND	5
cis-1,2-Dichloroethene	ND	5
Bromochloromethane	ND	5
Chloroform	ND	5
1,1,1-Trichloroethane	ND	5
Carbon Tetrachloride	ND	5
1-1-Dichloropropene	ND	5
Benzene	ND	5
1,2-Dichloroethane	ND	5
Trichloroethene	ND	5
1,2-Dichloropropane	ND	5
Dibromomethane	ND	5
Bromodichloromethane	ND	5
cis-1,3-Dichloropropene	ND	5
Toluene	ND	5
trans-1,3-Dichloropropene	ND	5
1,1,2-Trichloroethane	ND	5
Tetrachloroethene	ND	5
1,3-Dichloropropane	ND	5
Dibromochloromethane	ND	5
1,2-Dibromoethane	ND	5
Chlorobenzene	ND	5
1,1,1,2-Tetrachloroethane	ND	5
Ethyl benzene	ND	5
m&p-Xylene	ND	10
o-Xylene	ND	5

SunStar Laboratories, Inc.

Client: Krazan & Associates, Inc.
Project Manager: Alex Gallego

Sample ID: B3-W
Date Sampled: 2/11/00
Date Received: 2/12/00
Date Analyzed: 2/16/00
Laboratory ID: T1623-23
Matrix: Water

Project Number
4400006

Styrene	ND	5
Bromoform	ND	5
Isopropylbenzene	ND	5
Bromobenzene	ND	5
1,1,2,2-Tetrachloroethane	ND	5
1,2,3-Trichloropropane	ND	5
n-Propylbenzene	ND	5
2-Chlorotoluene	ND	5
4-Chlorotoluene	ND	5
1,3,5-Trimethylbenzene	ND	5
tert-Butylbenzene	ND	5
1,2,4-Trimethylbenzene	ND	5
sec-Butylbenzene	ND	5
1,3-Dichlorobenzene	ND	5
p-Isopropyltoluene	ND	5
1,4-Dichlorobenzene	ND	5
1,2-Dichlorobenzene	ND	5
1,2,4-Trichlorobenzene	ND	5
Hexachlorobutadiene	ND	5
Naphthalene	ND	5
1,2,3-Trichlorobenzene	ND	5

SunStar Laboratories, Inc.

Analytical Report EPA 8260

Client: Krazan & Associates, Inc.
Project Manager: Alex Gallego

Project Number
4400006

Sample ID: B5-W
Date Sampled: 2/11/00
Date Received: 2/12/00
Date Analyzed: 2/16/00
Laboratory ID: T1623-24
Matrix: Water

Surrogate Compounds	Conc. (µg/L)	%Rec.
Dibromodifluoromethane	35.7	89
Toluene-d8	38.5	96
4-Bromodifluorobenzene	42.6	106

Compound	Concentration (µg/L)	RL(µg/L)
Dichlorodifluoromethane	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	10
1,1-Dichloroethene	ND	10
Methylene chloride	ND	10
MTBE	ND	20
trans-1,2-Dichloroethene	ND	10
1,1-Dichloroethane	ND	10
2,2-Dichloropropane	ND	5
cis-1,2-Dichloroethene	ND	5
Bromochloromethane	ND	5
Chloroform	ND	5
1,1,1-Trichloroethane	ND	5
Carbon Tetrachloride	ND	5
1-1-Dichloropropene	ND	5
Benzene	ND	5
1,2-Dichloroethane	ND	5
Trichloroethene	ND	5
1,2-Dichloropropane	ND	5
Dibromomethane	ND	5
Bromodichloromethane	ND	5
cis-1,3-Dichloropropene	ND	5
Toluene	ND	5
trans-1,3-Dichloropropene	ND	5
1,1,2-Trichloroethane	ND	5
Tetrachloroethene	ND	5
1,3-Dichloropropane	ND	5
Dibromochloromethane	ND	5
1,2-Dibromoethane	ND	5
Chlorobenzene	ND	5
1,1,1,2-Tetrachloroethane	ND	5
Ethyl benzene	ND	5
m&p-Xylene	ND	10
o-Xylene	ND	5

SunStar Laboratories, Inc.

Client: Krazan & Associates, Inc.
Project Manager: Alex Gallego

Project Number
4400006

Sample ID: B5-W
Date Sampled: 2/11/00
Date Received: 2/12/00
Date Analyzed: 2/16/00
Laboratory ID: T1623-24
Matrix: Water

Styrene	ND	5
Bromoform	ND	5
Isopropylbenzene	ND	5
Bromobenzene	ND	5
1,1,2,2-Tetrachloroethane	ND	5
1,2,3-Trichloropropane	ND	5
n-Propylbenzene	ND	5
2-Chlorotoluene	ND	5
4-Chlorotoluene	ND	5
1,3,5-Trimethylbenzene	ND	5
tert-Butylbenzene	ND	5
1,2,4-Trimethylbenzene	ND	5
sec-Butylbenzene	ND	5
1,3-Dichlorobenzene	ND	5
p-Isopropyltoluene	ND	5
1,4-Dichlorobenzene	ND	5
1,2-Dichlorobenzene	ND	5
1,2,4-Trichlorobenzene	ND	5
Hexachlorobutadiene	ND	5
Naphthalene	ND	5
1,2,3-Trichlorobenzene	ND	5

SunStar Laboratories, Inc.

Analytical Report EPA 8260

Client: Krazan & Associates, Inc.
Project Manager: Alex Gallego

Sample ID: B6-W
Date Sampled: 2/11/00
Date Received: 2/12/00
Date Analyzed: 2/16/00
Laboratory ID: T1623-25
Matrix: Water

Project Number

4400006

Surrogate Compounds	Conc. (µg/L)	%Rec.
Dibromofluoromethane	35.9	90
Toluene-d8	39.2	98
4-Bromofluorobenzene	41.8	104

Compound	Concentration (µg/L)	RL(µg/L)
Dichlorodifluoromethane	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	10
1,1-Dichloroethene	ND	10
Methylene chloride	ND	10
MTBE	ND	20
trans-1,2-Dichloroethene	ND	10
1,1-Dichloroethane	ND	10
2,2-Dichloropropane	ND	5
cis-1,2-Dichloroethene	ND	5
Bromochloromethane	ND	5
Chloroform	ND	5
1,1,1-Trichloroethane	ND	5
Carbon Tetrachloride	ND	5
1-1-Dichloropropene	ND	5
Benzene	ND	5
1,2-Dichloroethane	ND	5
Trichloroethene	ND	5
1,2-Dichloropropane	ND	5
Dibromomethane	ND	5
Bromodichloromethane	ND	5
cis-1,3-Dichloropropene	ND	5
Toluene	ND	5
trans-1,3-Dichloropropene	ND	5
1,1,2-Trichloroethane	ND	5
Tetrachloroethene	ND	5
1,3-Dichloropropane	ND	5
Dibromochloromethane	ND	5
1,2-Dibromoethane	ND	5
Chlorobenzene	ND	5
1,1,1,2-Tetrachloroethane	ND	5
Ethyl benzene	ND	5
m&p-Xylene	ND	10
o-Xylene	ND	5

SunStar Laboratories, Inc.

Client: Krazan & Associates, Inc.
Project Manager: Alex Gallego

Sample ID: B6-W
Date Sampled: 2/11/00
Date Received: 2/12/00
Date Analyzed: 2/16/00
Laboratory ID: T1623-25
Matrix: Water

Project Number
4400006

Styrene	ND	5
Bromoform	ND	5
Isopropylbenzene	ND	5
Bromobenzene	ND	5
1,1,2,2-Tetrachloroethane	ND	5
1,2,3-Trichloropropane	ND	5
n-Propylbenzene	ND	5
2-Chlorotoluene	ND	5
4-Chlorotoluene	ND	5
1,3,5-Trimethylbenzene	ND	5
tert-Butylbenzene	ND	5
1,2,4-Trimethylbenzene	ND	5
sec-Butylbenzene	ND	5
1,3-Dichlorobenzene	ND	5
p-Isopropyltoluene	ND	5
1,4-Dichlorobenzene	ND	5
1,2-Dichlorobenzene	ND	5
1,2,4-Trichlorobenzene	ND	5
Hexachlorobutadiene	ND	5
Naphthalene	ND	5
1,2,3-Trichlorobenzene	ND	5

SunStar Laboratories, Inc.

Analytical Report EPA 8260

Client: Krazan & Associates, Inc.
Project Manager: Alex Gallego

Sample ID: B7-W
Date Sampled: 2/11/00
Date Received: 2/12/00
Date Analyzed: 2/16/00
Laboratory ID: T1623-26
Matrix: Water

Project Number
4400006

<u>Surrogate Compounds</u>	<u>Conc.(µg/L)</u>	<u>%Rec.</u>
Dibromofluoromethane	36.1	90
Toluene-d8	39.4	98
4-Bromofluorobenzene	42.5	106

Compound	Concentration (µg/L)	RL(µg/L)
Dichlorodifluoromethane	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	10
1,1-Dichloroethene	ND	10
Methylene chloride	ND	10
MTBE	ND	20
trans-1,2-Dichloroethene	ND	10
1,1-Dichloroethane	ND	10
2,2-Dichloropropane	ND	5
cis-1,2-Dichloroethene	ND	5
Bromochloromethane	ND	5
Chloroform	ND	5
1,1,1-Trichloroethane	ND	5
Carbon Tetrachloride	ND	5
1-1-Dichloropropene	ND	5
Benzene	ND	5
1,2-Dichloroethane	ND	5
Trichloroethene	ND	5
1,2-Dichloropropane	ND	5
Dibromomethane	ND	5
Bromodichloromethane	ND	5
cis-1,3-Dichloropropene	ND	5
Toluene	ND	5
trans-1,3-Dichloropropene	ND	5
1,1,2-Trichloroethane	ND	5
Tetrachloroethene	ND	5
1,3-Dichloropropane	ND	5
Dibromochloromethane	ND	5
1,2-Dibromoethane	ND	5
Chlorobenzene	ND	5
1,1,1,2-Tetrachloroethane	ND	5
Ethyl benzene	ND	5
m&p-Xylene	ND	10
o-Xylene	ND	5

SunStar Laboratories, Inc.

Client: Krazan & Associates, Inc.
Project Manager: Alex Gallego

Sample ID: B7-W
Date Sampled: 2/11/00
Date Received: 2/12/00
Date Analyzed: 2/16/00
Laboratory ID: T1623-26
Matrix: Water

Project Number
4400006

Styrene	ND	5
Bromoform	ND	5
Isopropylbenzene	ND	5
Bromobenzene	ND	5
1,1,2,2-Tetrachloroethane	ND	5
1,2,3-Trichloropropane	ND	5
n-Propylbenzene	ND	5
2-Chlorotoluene	ND	5
4-Chlorotoluene	ND	5
1,3,5-Trimethylbenzene	ND	5
tert-Butylbenzene	ND	5
1,2,4-Trimethylbenzene	ND	5
sec-Butylbenzene	ND	5
1,3-Dichlorobenzene	ND	5
p-Isopropyltoluene	ND	5
1,4-Dichlorobenzene	ND	5
1,2-Dichlorobenzene	ND	5
1,2,4-Trichlorobenzene	ND	5
Hexachlorobutadiene	ND	5
Naphthalene	ND	5
1,2,3-Trichlorobenzene	ND	5

SunStar Laboratories, Inc.

Analytical Report EPA 8260

Client: Krazan & Associates, Inc.
Project Manager: Alex Gallego

Sample ID: B8-W
Date Sampled: 2/11/00
Date Received: 2/12/00
Date Analyzed: 2/16/00
Laboratory ID: T1623-27
Matrix: Water

Project Number

4400006

Surrogate Compounds	Conc.(µg/L)	%Rec.
Dibromofluoromethane	26.2	66
Toluene-d8	42.8	107
4-Bromofluorobenzene	41.7	104

Compound	Concentration (µg/L)	RL(µg/L)
Dichlorodifluoromethane	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	10
1,1-Dichloroethene	ND	10
Methylene chloride	ND	10
MTBE	ND	20
trans-1,2-Dichloroethene	ND	10
1,1-Dichloroethane	ND	10
2,2-Dichloropropane	ND	5
cis-1,2-Dichloroethene	ND	5
Bromochloromethane	ND	5
Chloroform	ND	5
1,1,1-Trichloroethane	ND	5
Carbon Tetrachloride	ND	5
1-1-Dichloropropene	ND	5
Benzene	3,400	5
1,2-Dichloroethane	ND	5
Trichloroethene	ND	5
1,2-Dichloropropane	ND	5
Dibromomethane	ND	5
Bromodichloromethane	ND	5
cis-1,3-Dichloropropene	ND	5
Toluene	6,600	5
trans-1,3-Dichloropropene	ND	5
1,1,2-Trichloroethane	ND	5
Tetrachloroethene	ND	5
1,3-Dichloropropane	ND	5
Dibromochloromethane	ND	5
1,2-Dibromoethane	ND	5
Chlorobenzene	ND	5
1,1,1,2-Tetrachloroethane	ND	5
Ethyl benzene	2,000	5
m&p-Xylene	2,200	10
o-Xylene	1,700	5

SunStar Laboratories, Inc.

Client: Krazan & Associates, Inc.
Project Manager: Alex Gallego

Project Number
4400006

Sample ID: B8-W
Date Sampled: 2/11/00
Date Received: 2/12/00
Date Analyzed: 2/16/00
Laboratory ID: T1623-27
Matrix: Water

Styrene	ND	5
Bromoform	ND	5
Isopropylbenzene	ND	5
Bromobenzene	ND	5
1,1,2,2-Tetrachloroethane	ND	5
1,2,3-Trichloropropane	ND	5
n-Propylbenzene	4,100	5
2-Chlorotoluene	ND	5
4-Chlorotoluene	ND	5
1,3,5-Trimethylbenzene	2,400	5
tert-Butylbenzene	ND	5
1,2,4-Trimethylbenzene	5,400	5
sec-Butylbenzene	ND	5
1,3-Dichlorobenzene	ND	5
p-Isopropyltoluene	ND	5
1,4-Dichlorobenzene	ND	5
1,2-Dichlorobenzene	ND	5
1,2,4-Trichlorobenzene	ND	5
Hexachlorobutadiene	ND	5
Naphthalene	970	5
1,2,3-Trichlorobenzene	ND	5

SunStar Laboratories, Inc.

TTLC Metal Analysis

MS/MSD Report

Client: Krazan & Associates, Inc.
Project Manager: Alex Gallego

Date Extracted: 2/16/00
Date Analyzed: 2/16/00
Batch: T-1623
Matrix: Soil
Sample Spiked: LCS

Project Number
4400006

Metal Analysis by I.C.P. EPA 6010

Element	Amt Spiked	MS rec.	MS %	MSD rec.	MSD %	RPD	QC Limits	
							RPD	%Rec.
Arsenic	1	1.02	102	0.99	99	3.0	30	40-150
Cadmium	1	1	100	0.99	99	1.0	30	40-150
Chromium	1	0.97	97	0.97	97	0.0	30	40-150
Lead	1	0.98	98	1	100	2.0	30	40-150

TTLC= Total Threshold Limit Concentration.

SunStar Laboratories, Inc.

TTLC Metal Analysis

Client: Krazan & Associates, Inc.
Project Manager: Alex Gallego

Project Number
4400006

Sample I.D.: Method Blank
Date Sampled: NA
Date Received: NA
Date Extracted: 2/16/00
Date Analyzed: 2/16/00
Laboratory ID: T1623-MB
Matrix: Soil
Conc. Unit: mg/Kg

Metal Analysis by I.C.P. EPA 6010

Element	Results	R.L.
Antimony	ND	2
Arsenic	ND	5
Barium	ND	1
Beryllium	ND	1
Cadmium	ND	1
Chromium	ND	1
Cobalt	ND	1
Copper	ND	1
Lead	ND	1
Mercury	ND	0.1
Molybdenum	ND	1
Nickel	ND	1
Selenium	ND	5
Silver	ND	2
Thallium	ND	2
Vanadium	ND	1
Zinc	ND	1

TTLC= Total Threshold Limit Concentration.

SunStar Laboratories, Inc.

TTLC Metal Analysis

Client: Krazan & Associates, Inc.
Project Manager: Alex Gallego

Project Number
4400006

Sample I.D.: B1-2
Date Sampled: 2/11/00
Date Received: 2/12/00
Date Extracted: 2/16/00
Date Analyzed: 2/16/00
Laboratory ID: T1623-01
Matrix: Soil
Conc. Unit: mg/Kg

Metal Analysis by I.C.P. EPA 6010

Element	Results	R.L.
Antimony	ND	2
Arsenic	ND	5
Barium	2	1
Beryllium	ND	1
Cadmium	6	1
Chromium	24	1
Cobalt	6	1
Copper	13	1
Lead	46	1
Mercury	ND	0.1
Molybdenum	3	1
Nickel	10	1
Selenium	18	5
Silver	ND	2
Thallium	46	2
Vanadium	48	1
Zinc	26	1

TTLC= Total Threshold Limit Concentration.

SunStar Laboratories, Inc.

TTLIC Metal Analysis

Client: Krazan & Associates, Inc.
Project Manager: Alex Gallego

Project Number
4400006

Sample I.D.: B2-2
Date Sampled: 2/11/00
Date Received: 2/12/00
Date Extracted: 2/16/00
Date Analyzed: 2/16/00
Laboratory ID: T1623-02
Matrix: Soil
Conc. Unit: mg/Kg

Metal Analysis by I.C.P. EPA 6010

Element	Results	R.L.
Antimony	ND	2
Arsenic	ND	5
Barium	97	1
Beryllium	ND	1
Cadmium	2	1
Chromium	43	1
Cobalt	8	1
Copper	860	1
Lead	140	1
Mercury	ND	0.1
Molybdenum	3	1
Nickel	20	1
Selenium	ND	5
Silver	ND	2
Thallium	10	2
Vanadium	31	1
Zinc	220	1

TTLIC= Total Threshold Limit Concentration.

SunStar Laboratories, Inc.

TTLC Metal Analysis

Client: Krazan & Associates, Inc.
Project Manager: Alex Gallego

Project Number
4400006

Sample I.D.: B3-2
Date Sampled: 2/11/00
Date Received: 2/12/00
Date Extracted: 2/16/00
Date Analyzed: 2/16/00
Laboratory ID: T1623-03
Matrix: Soil
Conc. Unit: mg/Kg

Metal Analysis by I.C.P. EPA 6010

Element	Results	R.L.
Antimony	ND	2
Arsenic	ND	5
Barium	140	1
Beryllium	ND	1
Cadmium	2	1
Chromium	33	1
Cobalt	9	1
Copper	49	1
Lead	410	1
Mercury	ND	0.1
Molybdenum	3	1
Nickel	21	1
Selenium	5	5
Silver	ND	2
Thallium	12	2
Vanadium	278	1
Zinc	140	1

TTLC= Total Threshold Limit Concentration.

SunStar Laboratories, Inc.

TTLIC Metal Analysis

Client: Krazan & Associates, Inc.
Project Manager: Alex Gallego

Project Number
4400006

Sample I.D.: B4-3
Date Sampled: 2/11/00
Date Received: 2/12/00
Date Extracted: 2/16/00
Date Analyzed: 2/16/00
Laboratory ID: T1623-04
Matrix: Soil
Conc. Unit: mg/Kg

Metal Analysis by I.C.P. EPA 6010

Element	Results	R.L.
Antimony	ND	2
Arsenic	ND	5
Barium	230	1
Beryllium	ND	1
Cadmium	6	1
Chromium	41	1
Cobalt	10	1
Copper	78	1
Lead	780	1
Mercury	ND	0.1
Molybdenum	4	1
Nickel	38	1
Selenium	8	5
Silver	ND	2
Thallium	11	2
Vanadium	29	1
Zinc	650	1

TTLIC= Total Threshold Limit Concentration.

SunStar Laboratories, Inc.

TTLIC Metal Analysis

Client: Krazan & Associates, Inc.
Project Manager: Alex Gallego

Project Number
4400006

Sample I.D.: B5-3
Date Sampled: 2/11/00
Date Received: 2/12/00
Date Extracted: 2/16/00
Date Analyzed: 2/16/00
Laboratory ID: T1623-05
Matrix: Soil
Conc. Unit: mg/Kg

Metal Analysis by I.C.P. EPA 6010

Element	Results	R.L.
Antimony	ND	2
Arsenic	ND	5
Barium	560	1
Beryllium	ND	1
Cadmium	9	1
Chromium	30	1
Cobalt	10	1
Copper	940	1
Lead	2600	1
Mercury	ND	0.1
Molybdenum	5	1
Nickel	52	1
Selenium	ND	5
Silver	ND	2
Thallium	42	2
Vanadium	39	1
Zinc	2900	1

TTLIC= Total Threshold Limit Concentration.

SunStar Laboratories, Inc.

TTLC Metal Analysis

Client: Krazan & Associates, Inc.
Project Manager: Alex Gallego

Project Number
4400006

Sample I.D.: B6-3.5
Date Sampled: 2/11/00
Date Received: 2/12/00
Date Extracted: 2/16/00
Date Analyzed: 2/16/00
Laboratory ID: T1623-06
Matrix: Soil
Conc. Unit: mg/Kg

Metal Analysis by I.C.P. EPA 6010

Element	Results	R.L.
Antimony	ND	2
Arsenic	ND	5
Barium	1200	1
Beryllium	ND	1
Cadmium	11	1
Chromium	83	1
Cobalt	14	1
Copper	280	1
Lead	3300	1
Mercury	ND	0.1
Molybdenum	7	1
Nickel	51	1
Selenium	18	5
Silver	ND	2
Thallium	45	2
Vanadium	39	1
Zinc	5200	1

TTLC= Total Threshold Limit Concentration.

SunStar Laboratories, Inc.

TTLC Metal Analysis

Client: Krazan & Associates, Inc.
Project Manager: Alex Gallego

Project Number
4400006

Sample I.D.: B7-3
Date Sampled: 2/11/00
Date Received: 2/12/00
Date Extracted: 2/16/00
Date Analyzed: 2/16/00
Laboratory ID: T1623-07
Matrix: Soil
Conc. Unit: mg/Kg

Metal Analysis by I.C.P. EPA 6010

Element	Results	R.L.
Antimony	ND	2
Arsenic	ND	5
Barium	260	1
Beryllium	ND	1
Cadmium	2	1
Chromium	20	1
Cobalt	7	1
Copper	55	1
Lead	1000	1
Mercury	ND	0.1
Molybdenum	2	1
Nickel	130	1
Selenium	3	5
Silver	ND	2
Thallium	7	2
Vanadium	18	1
Zinc	340	1

TTLC= Total Threshold Limit Concentration.

SunStar Laboratories, Inc.

TTLC Metal Analysis

Client: Krazan & Associates, Inc.
Project Manager: Alex Gallego

Project Number
4400006

Sample I.D.: B8-3.5
Date Sampled: 2/11/00
Date Received: 2/12/00
Date Extracted: 2/16/00
Date Analyzed: 2/16/00
Laboratory ID: T1623-08
Matrix: Soil
Conc. Unit: mg/Kg

Metal Analysis by I.C.P. EPA 6010

Element	Results	R.L.
Antimony	ND	2
Arsenic	ND	5
Barium	38	1
Beryllium	ND	1
Cadmium	ND	1
Chromium	27	1
Cobalt	3	1
Copper	5	1
Lead	ND	1
Mercury	ND	0.1
Molybdenum	ND	1
Nickel	12	1
Selenium	ND	5
Silver	ND	2
Thallium	3	2
Vanadium	14	1
Zinc	13	1

TTLC= Total Threshold Limit Concentration.

SunStar Laboratories, Inc.

TTLC Metal Analysis

Client: Krazan & Associates, Inc.
Project Manager: Alex Gallego

Project Number
4400006

Sample I.D.: B9-3
Date Sampled: 2/11/00
Date Received: 2/12/00
Date Extracted: 2/16/00
Date Analyzed: 2/16/00
Laboratory ID: T1623-09
Matrix: Soil
Conc. Unit: mg/Kg

Metal Analysis by I.C.P. EPA 6010

Element	Results	R.L.
Antimony	ND	2
Arsenic	ND	5
Barium	570	1
Beryllium	ND	1
Cadmium	20	1
Chromium	40	1
Cobalt	20	1
Copper	170	1
Lead	3300	1
Mercury	ND	0.1
Molybdenum	7	1
Nickel	100	1
Selenium	18	5
Silver	ND	2
Thallium	27	2
Vanadium	50	1
Zinc	4500	1

TTLC= Total Threshold Limit Concentration.

SunStar Laboratories, Inc.

TTLIC Metal Analysis

Client: Krazan & Associates, Inc.
Project Manager: Alex Gallego

Project Number
4400006

Sample I.D.: Composite B1-7.5 - B4-7
Date Sampled: 2/11/00
Date Received: 2/12/00
Date Extracted: 2/16/00
Date Analyzed: 2/16/00
Laboratory ID: T1623-10-13
Matrix: Soil
Conc. Unit: mg/Kg

Metal Analysis by I.C.P. EPA 6010

Element	Results	R.L.
Antimony	ND	2
Arsenic	ND	5
Barium	52	1
Beryllium	ND	1
Cadmium	2	1
Chromium	59	1
Cobalt	10	1
Copper	17	1
Lead	ND	1
Mercury	ND	0.1
Molybdenum	3	1
Nickel	28	1
Selenium	6	5
Silver	ND	2
Thallium	12	2
Vanadium	30	1
Zinc	23	1

TTLIC= Total Threshold Limit Concentration.

SunStar Laboratories, Inc.

TTLC Metal Analysis

Client: Krazan & Associates, Inc.
Project Manager: Alex Gallego

Project Number
4400006

Sample I.D.: Composite B5-7 - B9-7
Date Sampled: 2/11/00
Date Received: 2/12/00
Date Extracted: 2/16/00
Date Analyzed: 2/16/00
Laboratory ID: T1623-14-18
Matrix: Soil
Conc. Unit: mg/Kg

Metal Analysis by I.C.P. EPA 6010

Element	Results	R.L.
Antimony	ND	2
Arsenic	ND	5
Barium	27	1
Beryllium	ND	1
Cadmium	ND	1
Chromium	120	1
Cobalt	4	1
Copper	11	1
Lead	ND	1
Mercury	ND	0.1
Molybdenum	2	1
Nickel	13	1
Selenium	ND	5
Silver	ND	2
Thallium	3	2
Vanadium	53	1
Zinc	31	1

TTLC= Total Threshold Limit Concentration.

SunStar Laboratories, Inc.

TTLIC Metal Analysis

Client: Krazan & Associates, Inc.
Project Manager: Alex Gallego

Project Number
4400006

Sample I.D.: B8-13.5
Date Sampled: 2/11/00
Date Received: 2/12/00
Date Extracted: 2/16/00
Date Analyzed: 2/16/00
Laboratory ID: T1623-19
Matrix: Soil
Conc. Unit: mg/Kg

Metal Analysis by I.C.P. EPA 6010

Element	Results	R.L.
Antimony	ND	2
Arsenic	ND	5
Barium	52	1
Beryllium	ND	1
Cadmium	2	1
Chromium	67	1
Cobalt	10	1
Copper	10	1
Lead	1	1
Mercury	ND	0.1
Molybdenum	3	1
Nickel	38	1
Selenium	ND	5
Silver	ND	2
Thallium	12	2
Vanadium	29	1
Zinc	29	1

TTLIC= Total Threshold Limit Concentration.

SunStar Laboratories, Inc.

TTLC Metal Analysis

Client: Krazan & Associates, Inc.
Project Manager: Alex Gallego

Project Number
4400006

Sample I.D.: B8-15.5
Date Sampled: 2/11/00
Date Received: 2/12/00
Date Extracted: 2/16/00
Date Analyzed: 2/16/00
Laboratory ID: T1623-20
Matrix: Soil
Conc. Unit: mg/Kg

Metal Analysis by I.C.P. EPA 6010

Element	Results	R.L.
Antimony	ND	2
Arsenic	ND	5
Barium	61	1
Beryllium	ND	1
Cadmium	3	1
Chromium	62	1
Cobalt	12	1
Copper	14	1
Lead	2	1
Mercury	ND	0.1
Molybdenum	3	1
Nickel	45	1
Selenium	9	5
Silver	ND	2
Thallium	16	2
Vanadium	34	1
Zinc	32	1

TTLC= Total Threshold Limit Concentration.

SunStar Laboratories, Inc.

Quality Control Analysis EPA 8270

Client: Krazan & Associates, Inc.
Project Manager: Alex Gallego

Date Analyzed: 2/17/00
Batch ID: T-1623
Matrix: Soil
Sample Spiked:

Project Number
4400006

Matrix Spike and Matrix Spike Duplicate Analysis

Compound	Conc.Spike Added(mg/Kg)	Sample Result	Conc. MS	% Rec.	Conc. MSD	% Rec.	RPD	QC Limits	
								RPD	Percent Recovery
Phenol	50	0	18	36	21	42	15	42	12-89
2-Chlorophenol	50	0	26	52	27	54	4	40	27-123
1,4-Dichlorobenzene	50	0	24	48	23	46	4	28	36-97
N-nitroso-di-n-propyl	50	0	27	54	29	58	7	38	41-116
1,2,4-Trichlorobenzene	50	0	28	56	27	54	4	28	39-98
4-Chloro-3-methylphe	50	0	35	70	35	70	0	42	23-97
Acenaphthene	50	0	29	58	29	58	0	31	46-118
4-Nitrophenol	50	0	38	76	39	78	3	50	10-80
2,4-Dinitrotoluene	50	0	32	64	32	64	0	38	24-96
Pentachlorophenol	50	0	47	94	43	86	9	50	9-103
Pyrene	50	0	47	94	47	94	0	31	26-127

SunStar Laboratories, Inc.

Analytical Report EPA 8270 (PAH's)

Client: Krazan & Associates, Inc.
Project Manager: Alex Gallego
Project Number: 04400006
Laboratory ID: T1623-MB
Matrix: Soil

Sample ID: Method Blank
Date Sampled: NA
Date Received: NA
Date Extracted: 2/16/00
Date Analyzed: 2/16/00

Surrogate Compounds:	Conc. (mg/Kg)	% Rec.
2-Fluorophenol	56.4	113
Phenol-d6	36.1	72
Nitrobenzene-d5	51.1	102
2-Fluorobiphenol	51.9	104
2,4,6-Tribromophenol	40.6	81
Terphenyl-d14	53.7	107

Compounds	Conc. (µg/Kg)	RL (µg/Kg)
Naphthalene	ND	300
Acenaphthylene	ND	300
Acenaphthene	ND	300
Fluorene	ND	300
Phenanthrene	ND	300
Anthracene	ND	300
Fluoranthene	ND	300
Pyrene	ND	300
Benzo (a) anthracene	ND	300
Chrysene	ND	300
Benzo (b) fluoranthene	ND	300
Benzo (k) fluoranthene	ND	300
Benzo (a) pyrene	ND	300
Indeno (1, 2, 3-cd) pyrene	ND	300
Dibenz (a, h) anthracene	ND	300
Benzo (g, h, i) perylene	ND	300

SunStar Laboratories, Inc.

Analytical Report EPA 8270 (PAH's)

Client: Krazan & Associates, Inc.
Project Manager: Alex Gallego
Project Number: 04400006
Laboratory ID: T1623-01
Matrix: Soil

Sample ID: B1-2
Date Sampled: 2/11/00
Date Received: 2/12/00
Date Extracted: 2/16/00
Date Analyzed: 2/16/00

Surrogate Compounds:	Conc. (mg/Kg)	% Rec.
2-Fluorophenol	59.0	118
Phenol-d6	33.5	67
Nitrobenzene-d5	53.1	106
2-Fluorobiphenol	56.3	113
2,4,6-Tribromophenol	40.2	80
Terphenyl-d14	45.8	92

Compounds	Conc. (µg/Kg)	RL (µg/Kg)
Naphthalene	ND	300
Acenaphthylene	ND	300
Acenaphthene	ND	300
Fluorene	ND	300
Phenanthrene	ND	300
Anthracene	ND	300
Fluoranthene	ND	300
Pyrene	ND	300
Benzo (a) anthracene	ND	300
Chrysene	ND	300
Benzo (b) fluoranthene	ND	300
Benzo (k) fluoranthene	ND	300
Benzo (a) pyrene	ND	300
Indeno (1, 2, 3,-cd) pyrene	ND	300
Dibenz (a, h) anthracene	ND	300
Benzo (g, h, i) perylene	ND	300

SunStar Laboratories, Inc.

Analytical Report EPA 8270 (PAH's)

Client: Krazan & Associates, Inc.
Project Manager: Alex Gallego
Project Number: 04400006
Laboratory ID: T1623-02
Matrix: Soil

Sample ID: B2-2
Date Sampled: 2/11/00
Date Received: 2/12/00
Date Extracted: 2/16/00
Date Analyzed: 2/16/00

Surrogate Compounds:	Conc. (mg/Kg)	% Rec.
2-Fluorophenol	49.3	99
Phenol-d6	29.7	59
Nitrobenzene-d5	55.5	111
2-Fluorobiphenol	56.8	114
2,4,6-Tribromophenol	48.4	97
Terphenyl-d14	57.7	115

Compounds	Conc. (µg/Kg)	RL (µg/Kg)
Naphthalene	ND	300
Acenaphthylene	ND	300
Acenaphthene	ND	300
Fluorene	ND	300
Phenanthrene	ND	300
Anthracene	ND	300
Fluoranthene	ND	300
Pyrene	ND	300
Benzo (a) anthracene	ND	300
Chrysene	ND	300
Benzo (b) fluoranthene	ND	300
Benzo (k) fluoranthene	ND	300
Benzo (a) pyrene	ND	300
Indeno (1, 2, 3, -cd) pyrene	ND	300
Dibenz (a, h) anthracene	ND	300
Benzo (g, h, i) perylene	ND	300

SunStar Laboratories, Inc.

Analytical Report EPA 8270 (PAH's)

Client: Krazan & Associates, Inc.
Project Manager: Alex Gallego
Project Number: 04400006
Laboratory ID: T1623-03
Matrix: Soil

Sample ID: B3-2
Date Sampled: 2/11/00
Date Received: 2/12/00
Date Extracted: 2/16/00
Date Analyzed: 2/16/00

Surrogate Compounds:	Conc. (mg/Kg)	% Rec.
2-Fluorophenol	40.1	80
Phenol-d6	33.2	66
Nitrobenzene-d5	49.3	99
2-Fluorobiphenol	55.2	110
2,4,6-Tribromophenol	42.4	85
Terphenyl-d14	61.5	123

Compounds	Conc. (µg/Kg)	RL (µg/Kg)
Naphthalene	ND	300
Acenaphthylene	ND	300
Acenaphthene	ND	300
Fluorene	ND	300
Phenanthrene	ND	300
Anthracene	ND	300
Fluoranthene	ND	300
Pyrene	ND	300
Benzo (a) anthracene	ND	300
Chrysene	ND	300
Benzo (b) fluoranthene	ND	300
Benzo (k) fluoranthene	ND	300
Benzo (a) pyrene	ND	300
Indeno (1, 2, 3, -cd) pyrene	ND	300
Dibenz (a, h) anthracene	ND	300
Benzo (g, h, i) perylene	ND	300

SunStar Laboratories, Inc.

Analytical Report EPA 8270 (PAH's)

Client: Krazan & Associates, Inc.
Project Manager: Alex Gallego
Project Number: 04400006
Laboratory ID: T1623-04
Matrix: Soil

Sample ID: B4-3
Date Sampled: 2/11/00
Date Received: 2/12/00
Date Extracted: 2/16/00
Date Analyzed: 2/16/00

Surrogate Compounds:	Conc. (mg/Kg)	% Rec.
2-Fluorophenol	47.8	96
Phenol-d6	38.0	76
Nitrobenzene-d5	55.5	111
2-Fluorobiphenol	59.4	119
2,4,6-Tribromophenol	48.4	97
Terphenyl-d14	56.5	113

Compounds	Conc. (µg/Kg)	RL (µg/Kg)
Naphthalene	ND	300
Acenaphthylene	ND	300
Acenaphthene	ND	300
Fluorene	ND	300
Phenanthrene	ND	300
Anthracene	ND	300
Fluoranthene	ND	300
Pyrene	ND	300
Benzo (a) anthracene	ND	300
Chrysene	ND	300
Benzo (b) fluoranthene	ND	300
Benzo (k) fluoranthene	ND	300
Benzo (a) pyrene	ND	300
Indeno (1, 2, 3-cd) pyrene	ND	300
Dibenz (a, h) anthracene	ND	300
Benzo (g, h, i) perylene	ND	300

SunStar Laboratories, Inc.

Analytical Report EPA 8270 (PAH's)

Client: Krazan & Associates, Inc.
Project Manager: Alex Gallego
Project Number: 04400006
Laboratory ID: T1623-05
Matrix: Soil

Sample ID: B5-3
Date Sampled: 2/11/00
Date Received: 2/12/00
Date Extracted: 2/16/00
Date Analyzed: 2/16/00

Surrogate Compounds:	Conc. (mg/Kg)	% Rec.
2-Fluorophenol	15.0	60
Phenol-d6	7.6	30
Nitrobenzene-d5	17.3	69
2-Fluorobiphenol	15.2	61
2,4,6-Tribromophenol	11.9	47
Terphenyl-d14	17.5	70

Compounds	Conc. (µg/Kg)	RL (µg/Kg)
Naphthalene	ND	300
Acenaphthylene	ND	300
Acenaphthene	ND	300
Fluorene	ND	300
Phenanthrene	1300	300
Anthracene	ND	300
Fluoranthene	1700	300
Pyrene	2800	300
Benzo (a) anthracene	ND	300
Chrysene	950	300
Benzo (b) fluoranthene	700	300
Benzo (k) fluoranthene	ND	300
Benzo (a) pyrene	800	300
Indeno (1, 2, 3, -cd) pyrene	ND	300
Dibenz (a, h) anthracene	ND	300
Benzo (g, h, i) perylene	ND	300

SunStar Laboratories, Inc.

Analytical Report EPA 8270 (PAH's)

Client: Krazan & Associates, Inc.
Project Manager: Alex Gallego
Project Number: 04400006
Laboratory ID: T1623-06
Matrix: Soil

Sample ID: B6-3.5
Date Sampled: 2/11/00
Date Received: 2/12/00
Date Extracted: 2/16/00
Date Analyzed: 2/16/00

Surrogate Compounds:	Conc. (mg/Kg)	% Rec.
2-Fluorophenol	16.7	67
Phenol-d6	9.5	38
Nitrobenzene-d5	16.7	67
2-Fluorobiphenol	18.9	75
2,4,6-Tribromophenol	14.1	56
Terphenyl-d14	21.9	88

Compounds	Conc. (µg/Kg)	RL (µg/Kg)
Naphthalene	ND	300
Acenaphthylene	ND	300
Acenaphthene	ND	300
Fluorene	ND	300
Phenanthrene	ND	300
Anthracene	ND	300
Fluoranthene	ND	300
Pyrene	500	300
Benzo (a) anthracene	ND	300
Chrysene	ND	300
Benzo (b) fluoranthene	ND	300
Benzo (k) fluoranthene	ND	300
Benzo (a) pyrene	ND	300
Indeno (1, 2, 3, -cd) pyrene	ND	300
Dibenz (a, h) anthracene	ND	300
Benzo (g, h, i) perylene	ND	300

SunStar Laboratories, Inc.

Analytical Report EPA 8270 (PAH's)

Client: Krazan & Associates, Inc.
Project Manager: Alex Gallego
Project Number: 04400006
Laboratory ID: T1623-07
Matrix: Soil

Sample ID: B7-3
Date Sampled: 2/11/00
Date Received: 2/12/00
Date Extracted: 2/16/00
Date Analyzed: 2/16/00

Surrogate Compounds:	Conc. (mg/Kg)	% Rec.
2-Fluorophenol	58.9	118
Phenol-d6	25.3	51
Nitrobenzene-d5	43.9	88
2-Fluorobiphenol	53.1	106
2,4,6-Tribromophenol	42.6	85
Terphenyl-d14	43.5	87

Compounds	Conc. (µg/Kg)	RL (µg/Kg)
Naphthalene	ND	300
Acenaphthylene	ND	300
Acenaphthene	ND	300
Fluorene	ND	300
Phenanthrene	ND	300
Anthracene	ND	300
Fluoranthene	ND	300
Pyrene	300	300
Benzo (a) anthracene	ND	300
Chrysene	ND	300
Benzo (b) fluoranthene	ND	300
Benzo (k) fluoranthene	ND	300
Benzo (a) pyrene	ND	300
Indeno (1, 2, 3,-cd) pyrene	ND	300
Dibenz (a, h) anthracene	ND	300
Benzo (g, h, i) perylene	ND	300

SunStar Laboratories, Inc.

Analytical Report EPA 8270 (PAH's)

Client: Krazan & Associates, Inc.
Project Manager: Alex Gallego
Project Number: 04400006
Laboratory ID: T1623-08
Matrix: Soil

Sample ID: B8-3.5
Date Sampled: 2/11/00
Date Received: 2/12/00
Date Extracted: 2/16/00
Date Analyzed: 2/16/00

Surrogate Compounds:	Conc. (mg/Kg)	% Rec.
2-Fluorophenol	51.7	103
Phenol-d6	32.5	65
Nitrobenzene-d5	51.5	103
2-Fluorobiphenol	56.5	113
2,4,6-Tribromophenol	41.9	84
Terphenyl-d14	51.1	102

Compounds	Conc. (µg/Kg)	RL (µg/Kg)
Naphthalene	ND	300
Acenaphthylene	ND	300
Acenaphthene	ND	300
Fluorene	ND	300
Phenanthrene	ND	300
Anthracene	ND	300
Fluoranthene	ND	300
Pyrene	ND	300
Benzo (a) anthracene	ND	300
Chrysene	ND	300
Benzo (b) fluoranthene	ND	300
Benzo (k) fluoranthene	ND	300
Benzo (a) pyrene	ND	300
Indeno (1, 2, 3,-cd) pyrene	ND	300
Dibenz (a, h) anthracene	ND	300
Benzo (g, h, i) perylene	ND	300

SunStar Laboratories, Inc.

Analytical Report EPA 8270 (PAH's)

Client: Krazan & Associates, Inc.
Project Manager: Alex Gallego
Project Number: 04400006
Laboratory ID: T1623-09
Matrix: Soil

Sample ID: B9-3
Date Sampled: 2/11/00
Date Received: 2/12/00
Date Extracted: 2/16/00
Date Analyzed: 2/16/00

Surrogate Compounds:	Conc. (mg/Kg)	% Rec.
2-Fluorophenol	6.4	128
Phenol-d6	4.4	87
Nitrobenzene-d5	6.0	121
2-Fluorobiphenol	4.1	81
2,4,6-Tribromophenol	6.3	127
Terphenyl-d14	4.9	98

Compounds	Conc. (µg/Kg)	RL (µg/Kg)
Naphthalene	31000	300
Acenaphthylene	87000	300
Acenaphthene	1000	300
Fluorene	11000	300
Phenanthrene	180000	300
Anthracene	30000	300
Fluoranthene	190000	300
Pyrene	150000	300
Benzo (a) anthracene	12000	300
Chrysene	120000	300
Benzo (b) fluoranthene	110000	300
Benzo (k) fluoranthene	61000	300
Benzo (a) pyrene	280000	300
Indeno (1, 2, 3,-cd) pyrene	310000	300
Dibenz (a, h) anthracene	87000	300
Benzo (g, h, i) perylene	ND	300

SunStar Laboratories, Inc.

Analytical Report EPA 8270 (PAH's)

Client: Krazan & Associates, Inc.
Project Manager: Alex Gallego
Project Number: 04400006
Laboratory ID: T1623-Comp. 10-13
Matrix: Soil

Sample ID: Composite B1-7.5 - B4-7
Date Sampled: 2/11/00
Date Received: 2/12/00
Date Extracted: 2/16/00
Date Analyzed: 2/16/00

Surrogate Compounds:	Conc. (mg/Kg)	% Rec.
2-Fluorophenol	42.5	85
Phenol-d6	35.1	70
Nitrobenzene-d5	52.3	105
2-Fluorobiphenol	59.6	119
2,4,6-Tribromophenol	41.8	84
Terphenyl-d14	51.2	102

Compounds	Conc. (µg/Kg)	RL (µg/Kg)
Naphthalene	ND	300
Acenaphthylene	ND	300
Acenaphthene	ND	300
Fluorene	ND	300
Phenanthrene	ND	300
Anthracene	ND	300
Fluoranthene	ND	300
Pyrene	ND	300
Benzo (a) anthracene	ND	300
Chrysene	ND	300
Benzo (b) fluoranthene	ND	300
Benzo (k) fluoranthene	ND	300
Benzo (a) pyrene	ND	300
Indeno (1, 2, 3,-cd) pyrene	ND	300
Dibenz (a, h) anthracene	ND	300
Benzo (g, h, i) perylene	ND	300

SunStar Laboratories, Inc.

Analytical Report EPA 8270 (PAH's)

Client: Krazan & Associates, Inc.
Project Manager: Alex Gallego
Project Number: 04400006
Laboratory ID: T1623-Comp. 14-18
Matrix: Soil

Sample ID: Composite B5-7 - B9-7
Date Sampled: 2/11/00
Date Received: 2/12/00
Date Extracted: 2/16/00
Date Analyzed: 2/16/00

Surrogate Compounds:	Conc. (mg/Kg)	% Rec.
2-Fluorophenol	37.0	74
Phenol-d6	27.1	54
Nitrobenzene-d5	50.0	100
2-Fluorobiphenol	51.2	102
2,4,6-Tribromophenol	36.9	74
Terphenyl-d14	44.3	89

Compounds	Conc. (µg/Kg)	RL (µg/Kg)
Naphthalene	ND	300
Acenaphthylene	ND	300
Acenaphthene	ND	300
Fluorene	ND	300
Phenanthrene	ND	300
Anthracene	ND	300
Fluoranthene	ND	300
Pyrene	ND	300
Benzo (a) anthracene	ND	300
Chrysene	ND	300
Benzo (b) fluoranthene	ND	300
Benzo (k) fluoranthene	ND	300
Benzo (a) pyrene	ND	300
Indeno (1, 2, 3,-cd) pyrene	ND	300
Dibenz (a, h) anthracene	ND	300
Benzo (g, h, i) perylene	ND	300

SunStar Laboratories, Inc.

Analytical Report EPA 8270 (PAH's)

Client: Krazan & Associates, Inc.
Project Manager: Alex Gallego
Project Number: 04400006
Laboratory ID: T1623-19
Matrix: Soil

Sample ID: B8-13.5
Date Sampled: 2/11/00
Date Received: 2/12/00
Date Extracted: 2/16/00
Date Analyzed: 2/16/00

Surrogate Compounds:	Conc. (mg/Kg)	% Rec.
2-Fluorophenol	43.3	87
Phenol-d6	32.0	64
Nitrobenzene-d5	58.8	118
2-Fluorobiphenol	59.0	118
2,4,6-Tribromophenol	54.5	109
Terphenyl-d14	40.4	81

Compounds	Conc. (µg/Kg)	RL (µg/Kg)
Naphthalene	4700	300
Acenaphthylene	ND	300
Acenaphthene	ND	300
Fluorene	ND	300
Phenanthrene	ND	300
Anthracene	ND	300
Fluoranthene	ND	300
Pyrene	ND	300
Benzo (a) anthracene	ND	300
Chrysene	ND	300
Benzo (b) fluoranthene	ND	300
Benzo (k) fluoranthene	ND	300
Benzo (a) pyrene	ND	300
Indeno (1, 2, 3, -cd) pyrene	ND	300
Dibenz (a, h) anthracene	ND	300
Benzo (g, h, i) perylene	ND	300

SunStar Laboratories, Inc.

Analytical Report EPA 8270 (PAH's)

Client: Krazan & Associates, Inc.
Project Manager: Alex Gallego
Project Number: 04400006
Laboratory ID: T1623-20
Matrix: Soil

Sample ID: B8-15.5
Date Sampled: 2/11/00
Date Received: 2/12/00
Date Extracted: 2/16/00
Date Analyzed: 2/16/00

Surrogate Compounds:	Conc. (mg/Kg)	% Rec.
2-Fluorophenol	42.9	86
Phenol-d6	25.7	51
Nitrobenzene-d5	49.5	99
2-Fluorobiphenol	52.1	104
2,4,6-Tribromophenol	39.5	79
Terphenyl-d14	49.7	99

Compounds	Conc. (µg/Kg)	RL (µg/Kg)
Naphthalene	300	300
Acenaphthylene	ND	300
Acenaphthene	ND	300
Fluorene	ND	300
Phenanthrene	ND	300
Anthracene	ND	300
Fluoranthene	ND	300
Pyrene	ND	300
Benzo (a) anthracene	ND	300
Chrysene	ND	300
Benzo (b) fluoranthene	ND	300
Benzo (k) fluoranthene	ND	300
Benzo (a) pyrene	ND	300
Indeno (1, 2, 3-cd) pyrene	ND	300
Dibenz (a, h) anthracene	ND	300
Benzo (g, h, i) perylene	ND	300

SunStar Laboratories, Inc.

Analytical Report EPA 8270 (PAH's)

Client: Krazan & Associates, Inc.
Project Manager: Alex Gallego
Project Number: 04400006
Laboratory ID: T1623-21
Matrix: Water

Sample ID: B1-W
Date Sampled: 2/11/00
Date Received: 2/12/00
Date Extracted: 2/16/00
Date Analyzed: 2/17/00

Surrogate Compounds:	Conc. (mg/L)	% Rec.
2-Fluorophenol	49.2	98
Phenol-d6	35.6	71
Nitrobenzene-d5	58.6	117
2-Fluorobiphenol	62.5	125
2,4,6-Tribromophenol	50.7	101
Terphenyl-d14	56.4	113

Compounds	Conc. (µg/L)	RL (µg/L)
Naphthalene	ND	5
Acenaphthylene	ND	5
Acenaphthene	ND	5
Fluorene	ND	5
Phenanthrene	ND	5
Anthracene	ND	5
Fluoranthene	ND	5
Pyrene	ND	5
Benzo (a) anthracene	ND	5
Chrysene	ND	5
Benzo (b) fluoranthene	ND	5
Benzo (k) fluoranthene	ND	5
Benzo (a) pyrene	ND	5
Indeno (1, 2, 3, -cd) pyrene	ND	5
Dibenz (a, h) anthracene	ND	5
Benzo (g, h, i) perylene	ND	5

SunStar Laboratories, Inc.

Analytical Report EPA 8270 (PAH's)

Client: Krazan & Associates, Inc.
Project Manager: Alex Gallego
Project Number: 04400006
Laboratory ID: T1623-25
Matrix: Water

Sample ID: B6-W
Date Sampled: 2/11/00
Date Received: 2/12/00
Date Extracted: 2/16/00
Date Analyzed: 2/17/00

Surrogate Compounds:	Conc. (mg/L)	% Rec.
2-Fluorophenol	51.1	102
Phenol-d6	39.3	79
Nitrobenzene-d5	54.6	109
2-Fluorobiphenol	58.4	117
2,4,6-Tribromophenol	49.1	98
Terphenyl-d14	54.0	108

Compounds	Conc. (µg/L)	RL (µg/L)
Naphthalene	ND	5
Acenaphthylene	ND	5
Acenaphthene	ND	5
Fluorene	ND	5
Phenanthrene	ND	5
Anthracene	ND	5
Fluoranthene	ND	5
Pyrene	ND	5
Benzo (a) anthracene	ND	5
Chrysene	ND	5
Benzo (b) fluoranthene	ND	5
Benzo (k) fluoranthene	ND	5
Benzo (a) pyrene	ND	5
Indeno (1, 2, 3,-cd) pyrene	ND	5
Dibenz (a, h) anthracene	ND	5
Benzo (g, h, i) perylene	ND	5

SunStar Laboratories, Inc.

Analytical Report EPA 8270 (PAH's)

Client: Krazan & Associates, Inc.
Project Manager: Alex Gallego
Project Number: 04400006
Laboratory ID: T1623-26
Matrix: Water

Sample ID: B7-W
Date Sampled: 2/11/00
Date Received: 2/12/00
Date Extracted: 2/16/00
Date Analyzed: 2/17/00

Surrogate Compounds:	Conc. (mg/L)	% Rec.
2-Fluorophenol	62.4	125
Phenol-d6	35.4	71
Nitrobenzene-d5	51.6	103
2-Fluorobiphenol	60.3	121
2,4,6-Tribromophenol	47.1	94
Terphenyl-d14	52.4	105

Compounds	Conc. (µg/L)	RL (µg/L)
Naphthalene	ND	5
Acenaphthylene	ND	5
Acenaphthene	ND	5
Fluorene	ND	5
Phenanthrene	ND	5
Anthracene	ND	5
Fluoranthene	ND	5
Pyrene	ND	5
Benzo (a) anthracene	ND	5
Chrysene	ND	5
Benzo (b) fluoranthene	ND	5
Benzo (k) fluoranthene	ND	5
Benzo (a) pyrene	ND	5
Indeno (1, 2, 3,-cd) pyrene	ND	5
Dibenz (a, h) anthracene	ND	5
Benzo (g, h, i) perylene	ND	5

SunStar Laboratories, Inc.

Quality Control Analysis EPA 8015M

Client: Krazan & Associates, Inc.
Project Manager: Alex Gallego

Date Analyzed: 2/17/00
Batch: T-1623
Matrix: Soil
Sample Spiked: LCS

Project Number
4400006

Matrix Spike and Matrix Spike Duplicate Analysis

Compound	Conc. Spike Added (mg/Kg)	Sample Result	Conc. MS	% Rec.	Conc. MSD	% Rec.	RPD	QC Limits	
								RPD	Percent Recovery
8015M TPH	500	0	521	104.2	517	103.4	0.8	20	70-130

SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: Krazan & Associates, Inc.
Project Manager: Alex Gallego

Project Number
4400006

Sample ID: Method Blank
Date Sampled: NA
Date Received: NA
Date Extracted: 2/16/00
Date Analyzed: 2/16/00
Laboratory ID: T1623-MB
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C10 (Gasoline)	ND	10
C10-C28 (Diesel)	ND	10

SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: Krazan & Associates, Inc.
Project Manager: Alex Gallego

Project Number
4400006

Sample ID: B8-7
Date Sampled: 2/11/00
Date Received: 2/12/00
Date Extracted: 2/16/00
Date Analyzed: 2/16/00
Laboratory ID: T1623-17
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C10 (Gasoline)	310	10
C10-C28 (Diesel)	ND	10

SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: Krazan & Associates, Inc.
Project Manager: Alex Gallego

Project Number
4400006

Sample ID: B8-13.5
Date Sampled: 2/11/00
Date Received: 2/12/00
Date Extracted: 2/16/00
Date Analyzed: 2/16/00
Laboratory ID: T1623-19
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C10 (Gasoline)	430	10
C10-C28 (Diesel)	ND	10

SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: Krazan & Associates, Inc.
Project Manager: Alex Gallego

Project Number
4400006

Sample ID: B8-15.5
Date Sampled: 2/11/00
Date Received: 2/12/00
Date Extracted: 2/16/00
Date Analyzed: 2/16/00
Laboratory ID: T1623-20
Matrix: Soil

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
C6-C10 (Gasoline)	230	10
C10-C28 (Diesel)	ND	10

SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: Krazan & Associates, Inc.
Project Manager: Alex Gallego

Project Number
4400006

Sample ID: B8-W
Date Sampled: 2/11/00
Date Received: 2/12/00
Date Analyzed: 2/16/00
Laboratory ID: 2/16/00
Matrix: Water

Compound	Concentration (mg/L)	Reporting Limit (mg/L)
TPH Gas	25	0.5



SunStar Laboratories, Inc.

March 21, 2000

Alex Gallego
Krazan & Associates, Inc.
550 Parrott Street
Suite 1
San Jose, CA 95112

SunStar Laboratories Batch Number: T-1663

Dear Mr. Gallego:

This report contains the analytical results for fifteen (15) soil samples received under chain of custody by SunStar Laboratories on March 15, 2000. These samples are associated with your 04400006 project.

Project Summary

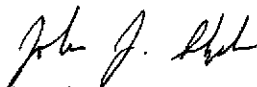
Samples were received in good condition. Sample container(s) and label(s) agreed with the chain of custody as to sample ID, collection time/ date, requested analyses and/or preservatives.

Samples were received in time to meet the method holding time specifications.

All applicable internal quality control analyses including calibration verifications, calibration (instrumentation), method blanks, matrix spike (MS) and matrix spike duplicate (MSD) met method specified acceptance criteria. Any anomalies are reported within the case narrative. There are no anomalies associated with this batch number.

If you require further information or clarification, please feel free to contact me at (714) 505-4010.

Sincerely,


Reviewer

KRAZAN & ASSOCIATES, INC.
 550 PARROTT ST., STE. ONE
 SAN JOSE, CA 95112
 (408) 271-2200 VOICE
 (408) 271-2201 FAX

Comments: SFC03151201

REQUESTED ANALYSES

P.O. Number:
 Ice Chest No.:
 Laboratory: **SUNSTAR**
 Lab Quote No.:

Project No.: 04400006
 Sampler Name (Printed): **JAY BEATTY**

Project Name (optional):
 Report Attention: **ALEX BALLEGO**

Sample Matrix
 W=Water S=Soil A=Air
 O=Other
 Sample Type
 G=Grab C=Composite
 D=Discrete
 Sample Preserved?
 (Yes/No)
 Number of Containers

BTEX/TPH-Gasoline	TPH-Diesel	TRPH by EPA 418.1	TOTAL LEAD															
			X															

Method of Shipment/Delivery:
OVERNIGHT
 Remarks

Lab Sample ID #	Krazan Sample No.	Date Sampled	Time Sampled	Sample Description
01	S1	3/10/00	10:03	SOIL
02	S2	"	10:37	
03	S3	"	9:50	
04	S4	"	13:00	
05	S5	"	16:45	
06	S6	3/13/00	14:55	
07	S7	3/10/00	16:10	
08	S8	3/13/00	15:20	
09	S9	3/10/00	16:00	
10	S10	3/10/00	10:24	
11	S11	3/13/00	14:50	
12	S12	3/10/00	13:30	
13	S13	3/10/00	11:09	
14	S14	3/13/00	15:04	
15	S15	"	15:10	

HOLD SAMPLES
 AFTER ANALYSES
 FOR POSSIBLE
 STCC or
 TCLP

Signature	Printed Name	Date	Time	Company Name
Relinquished by: <i>Alex Ballego</i>	ALEX BALLEGO	3/13/00	8:45 am	KRAZAN & ASS
Received by:			am pm	
Relinquished by:			am pm	
Received by: <i>Olivia Navarro</i>	OLIVIA NAVARRO	3/15/00	am pm	
Relinquished by:			am pm	
Received for Laboratory by:			am pm	

Total Number of Containers Submitted to Laboratory: **15**
 Turn Around Time (Circle Choice)
 24 Hrs. 48 Hrs.
5 Days 10 Days
 AS Contracted



T-1623

CHAIN-OF-CUSTODY RECORD

DATE: 2/11/00

PAGE 1 OF 2

KRAZAN & ASSOCIATES, INC.
 550 PARROTT ST., STE. ONE
 SAN JOSE, CA 95112
 408) 271-2200 VOICE
 408) 271-2201 FAX

Comments:

REQUESTED ANALYSES

P.O. Number:

Ice Chest No.:

Laboratory:

SUNSTON

Lab Quote No.:

Method of Shipment/Delivery:

TRUCK, etc

Remarks

Project No.: 0YX00006

Project Name: (optional)

Sampler Name (Printed): JAN BEATTY

Report Attention: ALEX GALLED

Lab Sample ID #	Krazan Sample No.	Date Sampled	Time Sampled	Sample Description	Sample Matrix W=Water S=Soil A=Air O=Other	Sample Type C=Grab C=Composite D=Discrete	Sample Preserved? (Yes/No)	Number of Containers	BTEX/TPH-Gasoline	TPH-Diesel	TRPH by EPA 418.1	PAHs EPA 8270	PAM17 METALS	VOCs 8260	Remarks
01	B1-2	2/11/00	7:30	SOIL	S	A	NA	1				X	X	X	PAHs + CAM17 3 DAY TAT = = = Composite B1-7.5, B2-6, B3-7.5, + B4-7 For PAHs + METALS, DESUR VOCs
02	B2-2		8:15									X	X	X	
03	B3-2		8:40									X	X	X	
04	B4-3		9:15									X	X	X	
05	B5-3		9:30									X	X	X	
06	B6-3.5		10:00									X	X	X	
07	B7-3		11:00									X	X	X	
08	B8-3.5		11:15									X	X	X	
09	B9-3		12:30									X	X	X	
10	B1-7.5		7:35									X	X	X	
11	B2-6		8:20									X	X	X	
12	B3-7.5		8:45									X	X	X	
13	B4-7		9:20									X	X	X	
14	B5-7		9:35									X	X	X	
15	B6-7		10:10									X	X	X	

Non-Residue PAHs

Signature	Printed Name	Date	Time	Company Name	Total Number of Containers Submitted to Laboratory
<i>Alex Galled</i>	ALEX GALLED	2/11/00	1:55 am	KRAZAN + ASSOC	Turn Around Time (Circle Choice) 24 Hrs. 48 Hrs. 5 Days 10 Days <input checked="" type="checkbox"/> As Contracted
<i>Scott Soliza</i>	Scott Soliza	2/11/00	1:55 am	VITONIX	
			am pm		
			am pm		
			am pm		
			am pm		

KRAZAN & ASSOCIATES, INC.
 150 PARROTT ST., STE. ONE
 SAN JOSE, CA 95112
 (408) 271-2200 VOICE
 (408) 271-2201 FAX

Comments:

REQUESTED ANALYSES

P.O. Number:

Ice Chest No.:

Laboratory:

SUNSTAR

Lab Quote No.:

Method of Shipment/Delivery:

COVERED

Remarks

Project No.: 04Y00006

Project Name (optional):

Sampler Name (Printed):

IAN BEATY

Report Attention:

ALEX GALLEGO

Lab Sample ID #	Krazan Sample No.	Date Sampled	Time Sampled	Sample Description	Sample Matrix W=Water S=Soil A=Air O=Other	Sample Type G=Grab C=Composite D=Discrete	Sample Preserved? (Year/No)	Number of Containers	BTEX/TPH-Gasoline	TPH-Diesel	TRPH by EPA 418.1	PAHs EPA 827D	CM 17 METALS	VOCs 8260							
16	B7-7	2/11/00	11:10	SOIL	S	G	NA	1				X	X	X							
17	B8-7	↑	11:25	↓	↓	↓	↓	↓	X	X		X	X	X							
18	B9-7	↓	12:40	↓	↓	↓	↓	↓				X	X	X							
19	B8-13.5	↓	11:35	↓	↓	↓	↓	↓	X	X		X	X	X							
20	B8-15.5	↓	11:45	↓	↓	↓	↓	↓	X	X		X	X	X							
21	B1-W		7:50	Brown WATER	G	G	Y	5				X		X							
22	B2-W		8:30	"				3						X							
23	B3-W		11:45	↓				3						X							
24	B5-W		12:00	↓				5						X							
25	B6-W		12:00	↓				5				X		X							
26	B7-W		12:20	↓				5				X		X							
27	B8-W		12:30	↓				6	X					X							

COMPOSITE
 BAKED
 6010

COMPOSITE B5-7
 B6-7, B7-7, B8-7
 B9-5 FOR PAHs
 METALS, DISCRETS
 VOCs

Signature	Printed Name	Date	Time	Company Name	Total Number of Containers Submitted to Laboratory
<i>Alex Gallego</i>	ALEX GALLEGO	2/11/00	1:55 am	KRAZAN & ASS	Turn Around Time (Circle Choice) 24 Hrs. 48 Hrs. 5 Days 10 Days As Contracted
<i>Scott Souza</i>	Scott Souza	2/11/00	1:55 am	VIRTEX	
			am pm		
			am pm		
			am pm		

SunStar Laboratories, Inc.

MS/MSD Report EPA 6010

Client: Krazan & Associates, Inc.
Project Manager: Alex Gallego

Date Extracted: 3/20/00
Date Analyzed: 3/20/00
Batch: T-1663
Matrix: Soil
Sample Spiked: 1663-15

Project Number
4400006

Total Lead Analysis by I.C.P.

Element	Amt Spiked	MS rec.	MS %	MSD rec.	MSD %	RPD	QC Limits	
							RPD	%Rec.
Lead	100	99	99	100	100	1.0	30	40-150

SunStar Laboratories, Inc.

Analytical Report EPA 6010

Client: Krazan & Associates, Inc.
Project Manager: Alex Gallego

Project Number
4400006

Sample I.D.: Method Blank
Date Sampled: NA
Date Received: NA
Date Extracted: 3/20/00
Date Analyzed: 3/20/00
Laboratory ID: T1663-MB
Matrix: Soil
Conc. Unit: mg/Kg

Total Lead Analysis by I.C.P.

Element	Results	R.L.
Lead	ND	1

SunStar Laboratories, Inc.

Analytical Report EPA 6010

Client: Krazan & Associates, Inc.
Project Manager: Alex Gallego

Project Number
4400006

Sample I.D.: S1
Date Sampled: 3/10/00
Date Received: 3/15/00
Date Extracted: 3/20/00
Date Analyzed: 3/20/00
Laboratory ID: T1663-01
Matrix: Soil
Conc. Unit: mg/Kg

Total Lead Analysis by I.C.P.

Element	Results	R.L.
Lead	280	1

SunStar Laboratories, Inc.

Analytical Report EPA 6010

Client: Krazan & Associates, Inc.
Project Manager: Alex Gallego

Project Number
4400006

Sample I.D.: S2
Date Sampled: 3/10/00
Date Received: 3/15/00
Date Extracted: 3/20/00
Date Analyzed: 3/20/00
Laboratory ID: T1663-02
Matrix: Soil
Conc. Unit: mg/Kg

Total Lead Analysis by I.C.P.

Element	Results	R.L.
Lead	99	1

SunStar Laboratories, Inc.

Analytical Report EPA 6010

Client: Krazan & Associates, Inc.
Project Manager: Alex Gallego

Project Number
4400006

Sample I.D.: S3
Date Sampled: 3/10/00
Date Received: 3/15/00
Date Extracted: 3/20/00
Date Analyzed: 3/20/00
Laboratory ID: T1663-03
Matrix: Soil
Conc. Unit: mg/Kg

Total Lead Analysis by I.C.P.

Element	Results	R.L.
Lead	620	1

SunStar Laboratories, Inc.

Analytical Report EPA 6010

Client: Krazan & Associates, Inc.
Project Manager: Alex Gallego

Project Number
4400006

Sample I.D.: S4
Date Sampled: 3/10/00
Date Received: 3/15/00
Date Extracted: 3/20/00
Date Analyzed: 3/20/00
Laboratory ID: T1663-04
Matrix: Soil
Conc. Unit: mg/Kg

Total Lead Analysis by I.C.P.

Element	Results	R.L.
Lead	180	1

SunStar Laboratories, Inc.

Analytical Report EPA 6010

Client: Krazan & Associates, Inc.
Project Manager: Alex Gallego

Project Number
4400006

Sample I.D.: S5
Date Sampled: 3/10/00
Date Received: 3/15/00
Date Extracted: 3/20/00
Date Analyzed: 3/20/00
Laboratory ID: T1663-05
Matrix: Soil
Conc. Unit: mg/Kg

Total Lead Analysis by I.C.P.

Element	Results	R.L.
Lead	2400	1

SunStar Laboratories, Inc.

Analytical Report EPA 6010

Client: Krazan & Associates, Inc.
Project Manager: Alex Gallego

Project Number
4400006

Sample I.D.: S6
Date Sampled: 3/13/00
Date Received: 3/15/00
Date Extracted: 3/20/00
Date Analyzed: 3/20/00
Laboratory ID: T1663-06
Matrix: Soil
Conc. Unit: mg/Kg

Total Lead Analysis by I.C.P.

Element	Results	R.L.
Lead	590	1

SunStar Laboratories, Inc.

Analytical Report EPA 6010

Client: Krazan & Associates, Inc.
Project Manager: Alex Gallego

Project Number
4400006

Sample I.D.: S7
Date Sampled: 3/10/00
Date Received: 3/15/00
Date Extracted: 3/20/00
Date Analyzed: 3/20/00
Laboratory ID: T1663-07
Matrix: Soil
Conc. Unit: mg/Kg

Total Lead Analysis by I.C.P.

Element	Results	R.L.
Lead	110	1

SunStar Laboratories, Inc.

Analytical Report EPA 6010

Client: Krazan & Associates, Inc.
Project Manager: Alex Gallego

Project Number
4400006

Sample I.D.: S8
Date Sampled: 3/13/00
Date Received: 3/15/00
Date Extracted: 3/20/00
Date Analyzed: 3/20/00
Laboratory ID: T1663-08
Matrix: Soil
Conc. Unit: mg/Kg

Total Lead Analysis by I.C.P.

Element	Results	R.L.
Lead	50	1

SunStar Laboratories, Inc.

Analytical Report EPA 6010

Client: Krazan & Associates, Inc.
Project Manager: Alex Gallego

Project Number
4400006

Sample I.D.: S9
Date Sampled: 3/10/00
Date Received: 3/15/00
Date Extracted: 3/20/00
Date Analyzed: 3/20/00
Laboratory ID: T1663-09
Matrix: Soil
Conc. Unit: mg/Kg

Total Lead Analysis by I.C.P.

Element	Results	R.L.
Lead	310	1

SunStar Laboratories, Inc.

Analytical Report EPA 6010

Client: Krazan & Associates, Inc.
Project Manager: Alex Gallego

Project Number
4400006

Sample I.D.: S10
Date Sampled: 3/10/00
Date Received: 3/15/00
Date Extracted: 3/20/00
Date Analyzed: 3/20/00
Laboratory ID: T1663-10
Matrix: Soil
Conc. Unit: mg/Kg

Total Lead Analysis by I.C.P.

Element	Results	R.L.
Lead	1100	1

SunStar Laboratories, Inc.

Analytical Report EPA 6010

Client: Krazan & Associates, Inc.
Project Manager: Alex Gallego

Project Number
4400006

Sample I.D.: S11
Date Sampled: 3/13/00
Date Received: 3/15/00
Date Extracted: 3/20/00
Date Analyzed: 3/20/00
Laboratory ID: T1663-11
Matrix: Soil
Conc. Unit: mg/Kg

Total Lead Analysis by I.C.P.

Element	Results	R.L.
Lead	180	1

SunStar Laboratories, Inc.

Analytical Report EPA 6010

Client: Krazan & Associates, Inc.
Project Manager: Alex Gallego

Project Number
4400006

Sample I.D.: S12
Date Sampled: 3/10/00
Date Received: 3/15/00
Date Extracted: 3/20/00
Date Analyzed: 3/20/00
Laboratory ID: T1663-12
Matrix: Soil
Conc. Unit: mg/Kg

Total Lead Analysis by I.C.P.

Element	Results	R.L.
Lead	200	1

SunStar Laboratories, Inc.

Analytical Report EPA 6010

Client: Krazan & Associates, Inc.
Project Manager: Alex Gallego

Project Number
4400006

Sample I.D.: S13
Date Sampled: 3/10/00
Date Received: 3/15/00
Date Extracted: 3/20/00
Date Analyzed: 3/20/00
Laboratory ID: T1663-13
Matrix: Soil
Conc. Unit: mg/Kg

Total Lead Analysis by I.C.P.

Element	Results	R.L.
Lead	1100	1

SunStar Laboratories, Inc.

Analytical Report EPA 6010

Client: Krazan & Associates, Inc.
Project Manager: Alex Gallego

Project Number
4400006

Sample I.D.: S14
Date Sampled: 3/13/00
Date Received: 3/15/00
Date Extracted: 3/20/00
Date Analyzed: 3/20/00
Laboratory ID: T1663-14
Matrix: Soil
Conc. Unit: mg/Kg

Total Lead Analysis by I.C.P.

Element	Results	R.L.
Lead	18	1

SunStar Laboratories, Inc.

Analytical Report EPA 6010

Client: Krazan & Associates, Inc.
Project Manager: Alex Gallego

Project Number
4400006

Sample I.D.: S15
Date Sampled: 3/13/00
Date Received: 3/15/00
Date Extracted: 3/20/00
Date Analyzed: 3/20/00
Laboratory ID: T1663-15
Matrix: Soil
Conc. Unit: mg/Kg

Total Lead Analysis by I.C.P.

Element	Results	R.L.
Lead	68	1

SunStar Laboratories, Inc.

STLC METALS

Client: Krazan & Associates, Inc.
Project Manager: Alex Gallego

Project Number
4400006

Sample I.D.: Method Blank
Date Sampled: 3/13/00
Date Received: 3/15/00
Date Extracted: 3/28/00
Date Analyzed: 3/31/00
Laboratory ID: T1663-MB
Matrix: Soil
Conc. Unit: mg/L

Lead Analysis by 6010

Element	Results	R.L.
Lead	ND	0.1

SunStar Laboratories, Inc.

STLC METALS

Client: Krazan & Associates, Inc.
Project Manager: Alex Gallego

Project Number
4400006

Sample I.D.: S1
Date Sampled: 3/13/00
Date Received: 3/15/00
Date Extracted: 3/28/00
Date Analyzed: 3/31/00
Laboratory ID: T1663-01
Matrix: Soil
Conc. Unit: mg/L

Lead Analysis by 6010

Element	Results	R.L.
Lead	0.5	0.1

SunStar Laboratories, Inc.

STLC METALS

Client: Krazan & Associates, Inc.
Project Manager: Alex Gallego

Project Number
4400006

Sample I.D.: S2
Date Sampled: 3/13/00
Date Received: 3/15/00
Date Extracted: 3/28/00
Date Analyzed: 3/31/00
Laboratory ID: T1663-02
Matrix: Soil
Conc. Unit: mg/L

Lead Analysis by 6010

Element	Results	R.L.
Lead	0.1	0.1

SunStar Laboratories, Inc.

STLC METALS

Client: Krazan & Associates, Inc.
Project Manager: Alex Gallego

Project Number
4400006

Sample I.D.: S3
Date Sampled: 3/13/00
Date Received: 3/15/00
Date Extracted: 3/28/00
Date Analyzed: 3/31/00
Laboratory ID: T1663-03
Matrix: Soil
Conc. Unit: mg/L

Lead Analysis by 6010

Element	Results	R.L.
Lead	1.3	0.1

SunStar Laboratories, Inc.

STLC METALS

Client: Krazan & Associates, Inc.
Project Manager: Alex Gallego

Project Number
4400006

Sample I.D.: S4
Date Sampled: 3/13/00
Date Received: 3/15/00
Date Extracted: 3/28/00
Date Analyzed: 3/31/00
Laboratory ID: T1663-04
Matrix: Soil
Conc. Unit: mg/L

Lead Analysis by 6010

Element	Results	R.L.
Lead	0.4	0.1

SunStar Laboratories, Inc.

STLC METALS

Client: Krazan & Associates, Inc.
Project Manager: Alex Gallego

Project Number
4400006

Sample I.D.: S5
Date Sampled: 3/13/00
Date Received: 3/15/00
Date Extracted: 3/28/00
Date Analyzed: 3/31/00
Laboratory ID: T1663-05
Matrix: Soil
Conc. Unit: mg/L

Lead Analysis by 6010

Element	Results	R.L.
Lead	24.0	0.1

SunStar Laboratories, Inc.

STLC METALS

Client: Krazan & Associates, Inc.
Project Manager: Alex Gallego

Project Number
4400006

Sample I.D.: S6
Date Sampled: 3/13/00
Date Received: 3/15/00
Date Extracted: 3/28/00
Date Analyzed: 3/31/00
Laboratory ID: T1663-06
Matrix: Soil
Conc. Unit: mg/L

Lead Analysis by 6010

Element	Results	R.L.
Lead	5.9	0.1

SunStar Laboratories, Inc.

STLC METALS

Client: Krazan & Associates, Inc.
Project Manager: Alex Gallego

Project Number
4400006

Sample I.D.: S7
Date Sampled: 3/13/00
Date Received: 3/15/00
Date Extracted: 3/28/00
Date Analyzed: 3/31/00
Laboratory ID: T1663-07
Matrix: Soil
Conc. Unit: mg/L

Lead Analysis by 6010

Element	Results	R.L.
Lead	0.1	0.1

SunStar Laboratories, Inc.

STLC METALS

Client: Krazan & Associates, Inc.
Project Manager: Alex Gallego

Project Number
4400006

Sample I.D.: S8
Date Sampled: 3/13/00
Date Received: 3/15/00
Date Extracted: 3/28/00
Date Analyzed: 3/31/00
Laboratory ID: T1663-08
Matrix: Soil
Conc. Unit: mg/L

Lead Analysis by 6010

Element	Results	R.L.
Lead	ND	0.1

SunStar Laboratories, Inc.

STLC METALS

Client: Krazan & Associates, Inc.
Project Manager: Alex Gallego

Project Number
4400006

Sample I.D.: S9
Date Sampled: 3/13/00
Date Received: 3/15/00
Date Extracted: 3/28/00
Date Analyzed: 3/31/00
Laboratory ID: T1663-9
Matrix: Soil
Conc. Unit: mg/L

Lead Analysis by 6010

Element	Results	R.L.
Lead	0.5	0.1

SunStar Laboratories, Inc.

STLC METALS

Client: Krazan & Associates, Inc.
Project Manager: Alex Gallego

Project Number
4400006

Sample I.D.: S10
Date Sampled: 3/13/00
Date Received: 3/15/00
Date Extracted: 3/28/00
Date Analyzed: 3/31/00
Laboratory ID: T1663-10
Matrix: Soil
Conc. Unit: mg/L

Lead Analysis by 6010

Element	Results	R.L.
Lead	10.0	0.1

SunStar Laboratories, Inc.

STLC METALS

Client: Krazan & Associates, Inc.
Project Manager: Alex Gallego

Project Number
4400006

Sample I.D.: S11
Date Sampled: 3/13/00
Date Received: 3/15/00
Date Extracted: 3/28/00
Date Analyzed: 3/31/00
Laboratory ID: T1663-11
Matrix: Soil
Conc. Unit: mg/L

Lead Analysis by 6010

Element	Results	R.L.
Lead	ND	0.1

SunStar Laboratories, Inc.

STLC METALS

Client: Krazan & Associates, Inc.
Project Manager: Alex Gallego

Project Number
4400006

Sample I.D.: S12
Date Sampled: 3/13/00
Date Received: 3/15/00
Date Extracted: 3/28/00
Date Analyzed: 3/31/00
Laboratory ID: T1663-12
Matrix: Soil
Conc. Unit: mg/L

Lead Analysis by 6010

Element	Results	R.L.
Lead	0.3	0.1

SunStar Laboratories, Inc.

STLC METALS

Client: Krazan & Associates, Inc.
Project Manager: Alex Gallego

Project Number
4400006

Sample I.D.: S13
Date Sampled: 3/13/00
Date Received: 3/15/00
Date Extracted: 3/28/00
Date Analyzed: 3/31/00
Laboratory ID: T1663-13
Matrix: Soil
Conc. Unit: mg/L

Lead Analysis by 6010

Element	Results	R.L.
Lead	3.1	0.1

SunStar Laboratories, Inc.

STLC METALS

Client: Krazan & Associates, Inc.
Project Manager: Alex Gallego

Project Number
4400006

Sample I.D.: S14
Date Sampled: 3/13/00
Date Received: 3/15/00
Date Extracted: 3/28/00
Date Analyzed: 3/31/00
Laboratory ID: T1663-14
Matrix: Soil
Conc. Unit: mg/L

Lead Analysis by 6010

Element	Results	R.L.
Lead	ND	0.1

SunStar Laboratories, Inc.

STLC METALS

Client: Krazan & Associates, Inc.
Project Manager: Alex Gallego

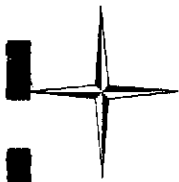
Project Number
4400006

Sample I.D.: S15
Date Sampled: 3/13/00
Date Received: 3/15/00
Date Extracted: 3/28/00
Date Analyzed: 3/31/00
Laboratory ID: T1663-15
Matrix: Soil
Conc. Unit: mg/L

Lead Analysis by 6010

Element	Results	R.L.
Lead	ND	0.1

KRAZAN & ASSOCIATES, INC. 550 PARROTT ST., STE. ONE SAN JOSE, CA 95112 (408) 271-2200 VOICE (408) 271-2201 FAX				Comments:				REQUESTED ANALYSES								P.O. Number:							
Project No.: 04400006				Project Name: (optional)				BTEX/TPH-Gasoline TPH-Diesel TRPH by EPA 418.1 TOTAL LEAD STLC Pb								Ice Chest No.:							
Sampler Name (Printed): IAN BEATTY				Report Attention: ALEX GALLESO				Lab ID								Laboratory: SUNSTAR							
Lab Sample ID #				Krazan Sample No.		Date Sampled		Time Sampled		Sample Description		Sample Matrix W=Water S=Soil A=Air O=Other		Sample Type G=Grab C=Composite D=Discrete		Sample Preserved? (Yes/No)		Number of Containers		Method of Shipment/Delivery: OVERNIGHT			
Remarks				W=Water S=Soil A=Air O=Other		G=Grab C=Composite D=Discrete		Yes/No		Containers		BTEX/TPH-Gasoline		TPH-Diesel		TRPH by EPA 418.1		TOTAL LEAD		STLC Pb			
01	S1	3/10/00	10:03	SOIL	S	G	N	1													01	HOLD SAMPLES	
02	S2	"	10:37																			02	AFTER ANALYSES
03	S3	"	9:50																			03	FOR POSSIBLE
04	S4	"	13:00																			04	STLC in
05	S5	"	16:15																			05	TCLP
06	S6	3/13/00	14:55																			06	
07	S7	3/10/00	16:10																			07	
08	S8	3/13/00	15:20																			08	
09	S9	3/10/00	16:00																			09	
10	S10	3/10/00	10:27																			10	
11	S11	3/13/00	14:50																			11	
12	S12	3/10/00	13:30																			12	
13	S13	3/10/00	11:09																			13	
14	S14	3/13/00	15:07																			14	
15	S15	"	15:10																			15	
Signature: Alex Galleso				Printed Name: ALEX GALLESO				Date: 3/13/00		Time: 8:45 am		Company Name: KRAZAN & ASS		Total Number of Containers Submitted to Laboratory: 15		Turn Around Time (Circle Choice)							
Relinquished by:				Received by: Lab				Date: 3-15-00		Time:		Company Name:		24 Hrs. 48 Hrs.		5 Days 10 Days							
Relinquished by:				Received by:				Date:		Time:		Company Name:		As Contracted		As Contracted							



SunStar Laboratories, Inc.

April 7, 2000

Alex Gallego
Krazan & Associates, Inc.
550 Parrott Street
Suite One
San Jose, CA 95112

SunStar Laboratories Batch Number: T-1709

Dear Mr. Gallego:

This report contains the analytical results for five (5) soil samples received under chain of custody by SunStar Laboratories on April 6, 2000. These samples are associated with your 04400006 project.

Project Summary

Samples were received in good condition. Sample container(s) and label(s) agreed with the chain of custody as to sample ID, collection time/ date, requested analyses and/or preservatives.

Samples were received in time to meet the method holding time specifications.

All applicable internal quality control analyses including calibration verifications, calibration (instrumentation), method blanks, matrix spike (MS) and matrix spike duplicate (MSD) met method specified acceptance criteria. Any anomalies are reported within the case narrative. There are no anomalies associated with this batch number.

If you require further information or clarification, please feel free to contact me at (714) 505-4010.

Sincerely,

Reviewer

KRAZAN & ASSOCIATES, INC. 550 PARROTT ST., STE. ONE SAN JOSE, CA 95112 (408) 271-2200 VOICE (408) 271-2201 FAX				Comments:				REQUESTED ANALYSES						P.O. Number:													
Project No.: 04400006				Project Name: (optional)				Sample Matrix W=Water S=Soil A=Air O=Other		Sample Type G=Grab C=Composite D=Discrete		Sample Preserved? (Yes/No)		Number of Containers		BTEX/TPH-Gasoline		TPH-Diesel		TRPH by EPA 418.1		TOTAL LEAD		STLC LEAD		Ice Chest No.:	
Sampler Name (Printed): IAN BEATTY				Report Attention: ALEX GALLEGO																Laboratory: SONSTAR		Lab Quote No.:					
Method of Shipment/Delivery: OVERNIGHT																				Remarks							
Lab Sample ID #	Krazan Sample No.	Date Sampled	Time Sampled	Sample Description	Sample Matrix	Sample Type	Sample Preserved?	Number of Containers	BTEX/TPH-Gasoline	TPH-Diesel	TRPH by EPA 418.1	TOTAL LEAD	STLC LEAD														
01	S-16	4/4/00	12:52	SOIL	S	G	N	1				X															
02	S-17	"	12:32	↓	↓	↓	↓	↓				XXX	X	HOLD													
03	S-18	"	12:41											HOLD													
04	S-19	"	12:24											HOLD													
05	S-20	"	3:00																								
06	S-21	"	3:10																								
07	S-22	4/5/00	8:20																								
Relinquished by: <i>Alex Gallego</i>				Printed Name: ALEX GALLEGO				Date: 4/5/00		Time: 1:45 pm		Company Name: KRAZAN & ASSN.		Total Number of Containers Submitted to Laboratory:													
Received by:														Turn Around Time (Circle Choice)													
Relinquished by:														24 Hrs. 48 Hrs.													
Received by: <i>Olivia Navarro</i>				OLIVIA NAVARRO				Date: 4-6-00				Company Name: SONSTAR LABS		5 Days 10 Days													
Relinquished by:														72 HOURS As Contracted													
Received for Laboratory by:																											

SunStar Laboratories, Inc.

MS/MSD Report EPA 6010

Client: Krazan & Associates, Inc.
Project Manager: Alex Gallego

Date Extracted: 4/11/00
Date Analyzed: 4/11/00
Batch: T-1709
Matrix: Soil
Sample Spiked: 089-10

Project Number
4400006

Total Lead Analysis by I.C.P.

Element	Amt Spiked	MS rec.	MS %	MSD rec.	MSD %	RPD	QC Limits	
							RPD	%Rec.
Lead	100	105	105	109	109	3.7	30	40-150

SunStar Laboratories, Inc.

STLC METALS

Client: Krazan & Associates, Inc.
Project Manager: Alex Gallego

Project Number
4400006

Sample I.D.: Method Blank
Date Sampled: NA
Date Received: NA
Date Extracted: 4/11/00
Date Analyzed: 4/11/00
Laboratory ID: T1709-MB
Matrix: Soil
Conc. Unit: mg/L

Lead Analysis by 6010

Element	Results	R.L.
Lead	ND	0.1

SunStar Laboratories, Inc.

STLC METALS

Client: Krazan & Associates, Inc.
Project Manager: Alex Gallego

Project Number
4400006

Sample I.D.: S-16
Date Sampled: 4/4/00
Date Received: 4/6/00
Date Extracted: 4/7/00
Date Analyzed: 4/11/00
Laboratory ID: T1709-01
Matrix: Soil
Conc. Unit: mg/L

Lead Analysis by 6010

Element	Results	R.L.
Lead	2.6	0.1

SunStar Laboratories, Inc.

STLC METALS

Client: Krazan & Associates, Inc.
Project Manager: Alex Gallego

Project Number
4400006

Sample I.D.: S-18
Date Sampled: 4/4/00
Date Received: 4/6/00
Date Extracted: 4/7/00
Date Analyzed: 4/11/00
Laboratory ID: T1709-03
Matrix: Soil
Conc. Unit: mg/L

Lead Analysis by 6010

Element	Results	R.L.
Lead	ND	0.1

SunStar Laboratories, Inc.

Analytical Report EPA 6010

Client: Krazan & Associates, Inc.
Project Manager: Alex Gallego

Project Number
4400006

Sample I.D.: S-20
Date Sampled: 4/4/00
Date Received: 4/6/00
Date Extracted: 4/11/00
Date Analyzed: 4/11/00
Laboratory ID: T1709-05
Matrix: Soil
Conc. Unit: mg/Kg

Total Lead Analysis by I.C.P.

Element	Results	R.L.
Lead	95	1

SunStar Laboratories, Inc.

Analytical Report EPA 6010

Client: Krazan & Associates, Inc.
Project Manager: Alex Gallego

Project Number
4400006

Sample I.D.: S-21
Date Sampled: 4/4/00
Date Received: 4/6/00
Date Extracted: 4/11/00
Date Analyzed: 4/11/00
Laboratory ID: T1709-06
Matrix: Soil
Conc. Unit: mg/Kg

Total Lead Analysis by I.C.P.

Element	Results	R.L.
Lead	ND	1

SunStar Laboratories, Inc.

Analytical Report EPA 6010

Client: Krazan & Associates, Inc.
Project Manager: Alex Gallego

Project Number
4400006

Sample I.D.: S-22
Date Sampled: 4/5/00
Date Received: 4/6/00
Date Extracted: 4/11/00
Date Analyzed: 4/11/00
Laboratory ID: T1709-07
Matrix: Soil
Conc. Unit: mg/Kg

Total Lead Analysis by I.C.P.

Element	Results	R.L.
Lead	130	1