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CIVIL & ENVIRONMENTAL ENGINEERS

September 8, 2004

Mr. Stuart Martin
Sonoma County Agricultural & Open Space District
747 Mendocino Avenue, Suite 100
Santa Rosa, California 95401

SUBJECT: REPORT OF INVESTIGATION
TOLAY LAKE RANCH
PETALUMA, CALIFORNIA
EBA PROJECT NO. 03-1050 (8)

Dear Mr. Martin:

The following presents the results of site investigation activities at the Tolay Lake Ranch located in Petaluma, California (Figure 1, Appendix A). The additional site investigation activities were initiated to supplement the findings and recommendations of the *Phase I Environmental Site Assessment* (EBA 2004) prepared for the project site. The following presents the scope of work conducted at the project site and our findings and recommendations.

SITE HISTORY

The Tolay Lake Ranch is a historic property in southern Sonoma County that has been occupied and used for agricultural purposes since the 1800's. The site appears to originally been part of the Petaluma Rancho. Between 1822 and 1846, more than 800 California land grants were made to individuals by the Mexican government and Rancho Petaluma was one of those grants. Rancho Petaluma originally consisted of about 44,000 acres and in 1844 was enlarged by an additional land grant to bring the total acreage to more than 66,000 acres. The rancho then stretched eastward from Petaluma Creek over the hills and down to Sonoma Creek, including all land that lay between those two waterways from the edge of San Francisco Bay to approximately the present site of Glen Ellen.

In the 1860's, the rancho started to be split into smaller land holdings. Historical evidence indicates the project site was in part created in the 1860's. Mr. Marvin Cardoza, the current property owner, indicated the project site was originally developed as the Fair Ranch that was over 10,000 acres in size. The property was later sold to the Donahue family who was involved with the Santa Rosa and Petaluma Railroad. In the late 1800's the Foster family purchased the

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property and held it for about 50 years. The Cardoza family then purchased the site in the early 1940's and has operated since that time as a working ranch and farm. The primary use of the project site has been for agricultural production which has included the application and use of agricultural chemicals.

The Phase I Environmental Site Investigation documented and recommended specific site investigation activities as follow-up measures to better determine if impacts to the project site have occurred from current and historic site uses.

SCOPE OF WORK

The following scope of work was implemented to investigate the project site:

- Collect soil samples from the agricultural areas of the property located within the Tolay Lake basin and selected drainage courses for chemical analysis for residual pesticides and herbicides.

- Collect water samples from the potable water system for the analysis of microscopic contaminants and general water quality constituents.

- Collect soil samples for the analysis of lead from the area of the project site formerly used for the hunting of waterfowl.

- Conduct a metal detection survey and collect soil samples for chemical samples in the area indicated as formerly having an underground fuel storage tank.

The following presents information specific information regarding the implementation of aforementioned scope of work and the protocols used for sample collection as well as analytical testing and analysis.

Soil Sampling – Agricultural Lands

Soil samples were collected from the areas of the project site currently or historically used for agricultural production and located within the expected seasonal high water zone of Tolay Lake. Soil samples were collected at a rate of one sample per 10 acres of land. A total of 50 soil samples were collected from the agricultural lands and composited 10 to 1 by the laboratory.

The soil samples were collected at depths of approximately six inches below the ground surface in laboratory supplied containers. Upon collection, the sample containers were capped, sealed, labeled and placed under refrigerated conditions pending transport to a North Coast Laboratories located in Arcata, California for chemical analysis.

At the time of soil collection, each location was geo-referenced to latitude and longitude coordinate basis using a Global Positioning System device. The GPS coordinates were then used to map each sampling location as shown on Figure 3, Appendix A.

Soil samples were transported under Chain-of-Custody procedures to North Coast Laboratories located in Arcata, California for the analysis of selected herbicides and pesticides including Carbamate and Urea Pesticides using EPA Test Method 632 Modified, Chlorinated Herbicides using EPA Test Method 8151A, Organophosphate Pesticides using EPA Test Method 8141A and Triazine Pesticides using EPA Test Method 619 Modified. The selection of the constituents of concern were based on agricultural chemicals observed at the project site during the Phase I Environmental Site Assessment investigation activities as well as pesticide use reports on file with the Sonoma County Agricultural Commissioners Office and those constituents recently disclosed as historically being used by the owners of the project site.

Agricultural Lands – Drainages

Discrete soil sediment samples were collected from five locations of the surface water drainage courses located within the project site. The soil sampling protocols and analytical testing requirements were consistent with those described in the agricultural lands section presented above. Please refer to Figure 4, Appendix A for the sampling locations.

Potable Water Sampling and Analysis

As documented in the Phase I Environmental Site Assessment, potable water at the project site is provided by two developed springs located on the eastern side of the project site. The collected spring water is transmitted through piping to a central concrete storage tank located on the western portion of the project site in the proximity of the houses and associated outbuildings. It is our understanding the collected water is used without treatment for all domestic use at the project site.

Water collected from the concrete storage tank was pumped through a laboratory-supplied filter for a Microscopic Particulate Analysis that included water contaminants including Cryptosporidium, Giardia and other water borne contaminants. The filter was enclosed within a sterile filter housing, pressure reducer and flow totalizer provided by the analytical laboratory. The filter was placed within the potable water system and left in place for approximately six hours of time in which a total of 539 gallons of water was run through the filter. Upon completion, the filter and housing were transported under Chain-of-Custody procedures to Biovir Laboratories located in Benicia, California for examination and analysis.

Potable water samples were also collected directly from the water supply stream feeding into the storage tank for the analysis of general water quality parameters including fecal and total coliform using EPA Test Method SM9223, nitrates using EPA Test Method 300.0, metals including iron, manganese and sodium using Test Method using EPA Test Method 200.7, and general chemistry parameters including hardness using EPA Test Method SM2340B, pH using EPA Test Method 150.1, specific conductance and total dissolved solids using EPA Test Method 120.1. The samples were collected in laboratory supplied sterile containers that were then sealed and placed under refrigerated conditions pending transport to Alpha Analytical Laboratory located in Ukiah, California for chemical analysis

Soil Sampling – Duck Hunting Area

A total of eight soil samples were collected from the constructed earthen pond located on the eastern portion of the project site for the analysis of lead. Please refer to Figure 5, Appendix A for the sampling locations. Soil samples were collected at depths of six to twelve inches below the ground surface in brass tubes. Upon collection, the samples were sealed, capped, labeled and placed under refrigerated conditions pending transport to Alpha Analytical Laboratories located in Ukiah, California for the analysis of total lead using EPA Test Method 6010.

Please note at the time of the sampling, the pond was dry. Mr. Marvin Cardoza indicated the pond had been used as a hunting club for approximately four years in the 1960's. A total of four soil samples were collected from within the pond area. Four additional samples were collected from the area surrounding the perimeter of the pond. In addition, one background soil sample was collected from the central portion of the project site as a background sample that was used as a background sample to compare the lead levels in and around the area of the pond.

Soil Sampling – Former UST Location

Recent disclosures by the current owners of the project site include a site survey dated 1944 that indicates many of the existing and historic buildings and structures located at the project site. The survey also includes a depiction of a gasoline pump and underground fuel storage tank (UST) located on the western side of the large barn located on the western side of the project site. Investigation activities and inspections conducted during the Phase I Environmental Site Assessment did not indicate the presence of a UST at the project site. In addition, no indication of a UST was indicated in regulatory agency records or a comprehensive review of Local, State and Federal environmental databases during the Phase I investigation. Lastly, Marvin Cardoza, the owner of the project site who has occupied the site for at least 40 years indicated that he had no knowledge of the use or presence of a UST at the project site.

Site investigation activities in the area of the former UST included performing a magnetic survey in the area indicated on the survey map as the location of the former UST. The surveyed area was extended approximately in a radius of 30 feet to each side of the location of the former UST and a magnetic survey was conducted on a grid pattern. Two locations within the area of investigation indicated positive detections of ferrous metal objects and were flagged or further investigation. Three areas were then explored using a power auger and hand auger including the area of the former UST and the two areas of positive detection of buried ferrous objects. Please refer to Figure 6, Appendix A for the sampling locations.

Three soil borings were extended to depths between six to seven feet below the ground surface for the purpose of observing soil conditions for the presence of petroleum hydrocarbons and the collection of soil samples for chemical analysis.

Two small buried metal objects consisting of an automotive spark plug and a piece of metal rebar were encountered at depths of less than two feet below the ground surface in the area surveyed. The area of the former UST did not indicate the presence of odors, soil staining or visible sheen indicative of petroleum hydrocarbon contamination in soil.

Three soil samples were collected from each boring at depths of six to seven feet below the ground surface in brass tubes. Upon collection, the samples were sealed, capped, labeled and placed under refrigerated conditions pending transport to Alpha Analytical Laboratories located in Ukiah, California for the analysis of petroleum hydrocarbons including Total Petroleum Hydrocarbons as gasoline (TPH-g), TPH as diesel (TPH-d), TPH as motor oil (TPH-mo) using EPA Test Method 8015 Modified and the constituents benzene, ethylbenzene, toluene and xylenes (BTEX) using EPA Test Method 8260B.

Upon completion, the borings were backfilled to grade with the soil removed from the borings.

FINDINGS

Findings from the site investigation activities are presented below.

Agricultural Lands – Soil Sampling

Soil samples collected and analyzed from the agricultural lands at the project site were all below the laboratory detection limit (ND) for all herbicides and pesticides tested. Tabulated analytical results of the soil sampling are presented in Table 1-5 in Appendix B. A copy of the certified analytical report is presented in Appendix C.

Agricultural Lands – Drainages

Soil samples collected and analyzed from the drainages located within the agricultural lands at the project site were ND for all herbicides and pesticides tested. Tabulated analytical results of the soil sampling are presented in Tables 6-10 in Appendix B. A copy of the certified analytical report is presented in Appendix C.

Potable Water Sampling and Analysis

The analysis of the potable water samples collected at the project site were ND for both Giardia and Cryptosporidium. Other primary microscopic contaminants including diatoms, algae, insect larvae, rotifers and plant debris were also not detected. Secondary microscopic contaminants including plant pollen, Crustacea, Amoeba, Cilliates and Flagellates, and other organisms were also not detected. Nematodes were detected at 12 particulates per 100 gallons of water tested.

Analytical results for bacteriological and general water quality parameters indicate the presence of both total and fecal coliform bacteria. General water parameters appear to be within applicable regulatory requirements as defined by Title 22 of the California Code of Regulations.

Tabulated analytical results of the soil sampling are presented in Table 11 in Appendix B. A copy of the certified analytical report is presented in Appendix C.

Soil Sampling – Duck Hunting Area

The eight soil samples collected from in and around the former waterfowl hunting area indicated total lead levels ranging from 11 to 20 milligrams to kilogram (mg/kg). The background soil sample collected from the outlying areas of the project site indicated total at 9 mg/kg. Tabulated analytical results of the soil sampling are presented in Table 12 in Appendix B. A copy of the certified analytical report is presented in Appendix C.

Soil Sampling – Former UST Location

Investigative activities performed in the area of the former UST did not indicate the current or historic presence of a UST at the project site. While two areas within the area investigated indicated the presence of ferrous objects, upon active investigation two small metal objects were encountered at relatively shallow depths. No other indications of buried ferrous objects were indicated during the field screening in the area investigated.

In addition, no indication of soil staining, odors or visible sheen were observed during the installation of three soil borings within the area of investigation. Further, soil samples collected from each of the three soil borings were all ND for all petroleum hydrocarbon constituents tested with the exception of TPH-mo at a level of 2.2 mg/kg in soil boring B-2@6.5 feet. Tabulated analytical results of the soil sampling are presented Table 13 in Appendix B. A copy of the certified analytical report is presented in Appendix C.

CONCLUSIONS

Based on the findings as presented in the previous sections of this report, it appears that minimal environmental impacts exist at the project site from previous and/or historic site uses. No indication of residual herbicides or pesticides were indicated from the collection of soil samples collected from the historically and current farmed areas or the drainage courses at the project site. In addition, total lead levels in the area of the former waterfowl hunting area appear to be generally low in concentration and within the range of the background lead level collected from other areas of the project site.

Water samples collected from the potable water system indicated the presence of both total and fecal coliform bacteria. As documented in the Phase I Environmental Site Assessment, a spring is a place on the earth's surface where groundwater emerges naturally. The water source of most springs is rainfall that seeps into the ground uphill from the spring outlet. Spring water moves downhill through soil or cracks in rock until it is forced out of the ground by natural pressure. Water obtained from springs is similar to water pumped from shallow groundwater wells. Like shallow wells, springs may be contaminated by surface water or other sources on or below the ground surface. Springs are susceptible to contamination because the water feeding them typically flows through the ground for only a short distance, limiting the amount of natural filtering that can occur. Based on the fact that the springs are located within portions of the project site that have are used for the grazing of cattle, it is probable that the bacterial contamination is the result of the livestock located within the watershed of the springs.

The investigation of the area of the project site depicted on the 1944 survey map as having had a UST did not indicate the presence of a UST nor the presence of petroleum hydrocarbons in soil samples collected for analytical testing. Mr. Marvin Cardoza has occupied the site since the mid 1950's indicated there was no UST in place at the site during his occupancy at the property. It appears the UST was likely removed sometime in the late 1940's or early 1950's. While there was a detection of low levels of TPH-mo at 2.2 mg/kg in one soil boring, it is probable the detection of this constituent is unrelated to the former UST. Based on the investigation activities performed in the area of the former UST at the project site, it appears the UST has been removed and impacts are not present.

RECOMMENDATIONS

Based on findings and conclusions from the environmental investigations performed at the project site, EBA recommends the following:

- Further investigation of the potable water system and specifically the source of the bacteriological contamination should be investigated and treated to ensure the suitability of the water for human consumption. Periodic testing should be performed to ensure the water system remains free of contaminants.

- No further investigation activities are recommended.

LIMITATIONS

This report was prepared in accordance with generally accepted standards of environmental geological practice in California at the time this investigation was performed. No soil engineering or geotechnical references are implied or should be inferred. Evaluation of the geologic conditions at the site for the purpose of this investigation is made from a limited number of observation points. Subsurface conditions may vary away from the data points available. Additional work, including further subsurface investigation, can reduce the inherent uncertainties associated with this type of investigation. This report has been prepared solely for the client and any reliance on this report by third parties shall be at such party's sole risk.

EBA makes no warranty, expressed or implied, except that our services have been performed in accordance with generally accepted existing environmental engineering, health and safety principles, and applicable regulations at the time and location of the study. EBA has analyzed the available information using currently applicable engineering techniques.

Please be advised that the recommendations presented herein are based partly on information made available to EBA by others, and includes professional interpretations based on limited research and data. Based on these circumstances, the decision to conduct additional investigative work to substantiate the findings and conclusions presented herein is the sole responsibility of the Client.

REFERENCES

EBA Engineering - *Phase I Environmental Site Assessment – Tolay Lake Ranch, Petaluma, California.* Dated February 2004.

I trust this provides the information you require at this time. If you have any comments or questions, please call (707) 544-0784.

Sincerely,
EBA ENGINEERING

David Noren, Manager
Environmental Services

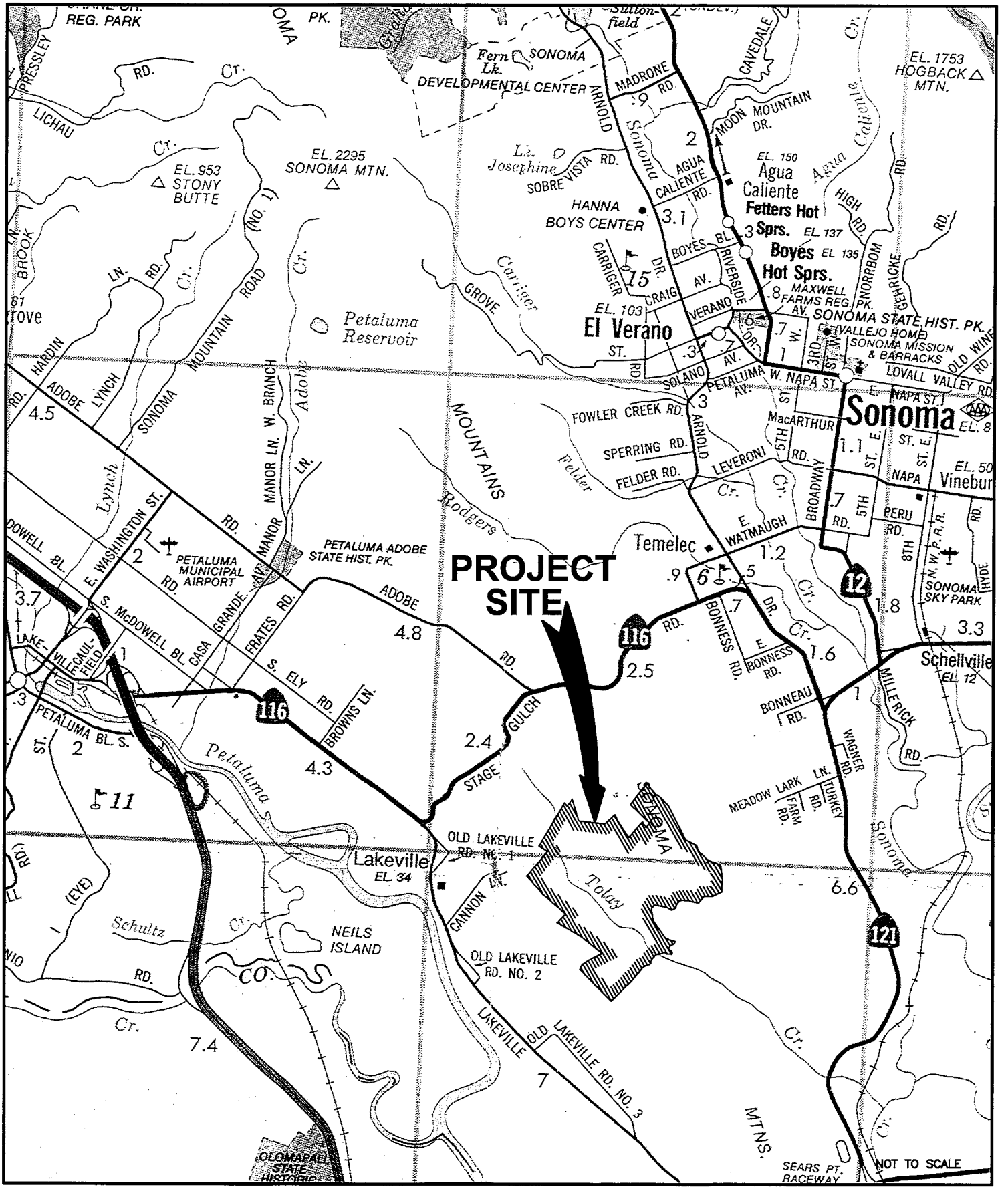
Reviewed by

Dale Solheim, P.E. #30888
Principal Engineer

Enclosures: Appendix A – Figures
Appendix B – Tables
Appendix C – Certified Analytical Reports

APPENDIX A

FIGURES



LOCATION MAP

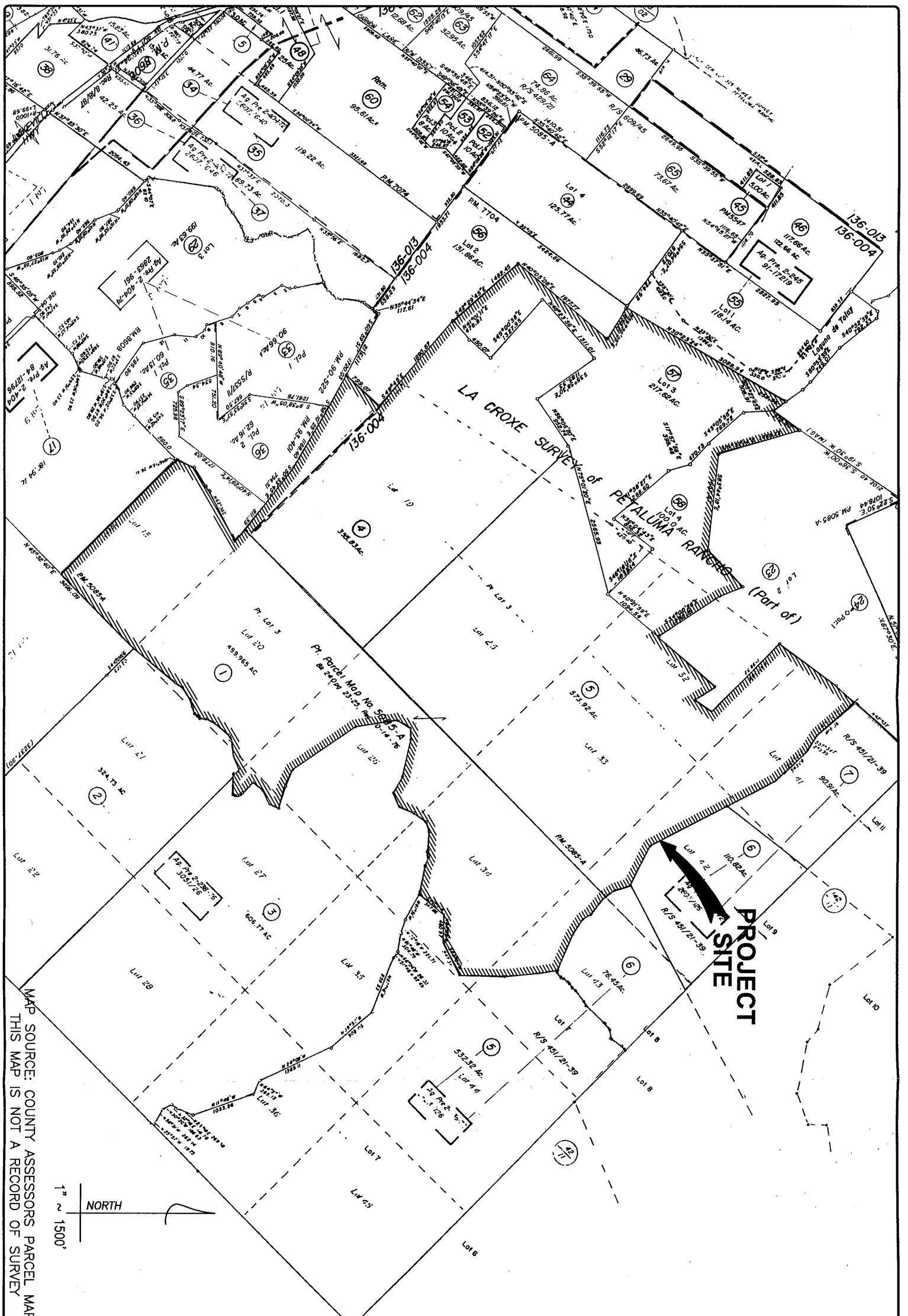
TOLAY RANCH
PETALUMA, CALIFORNIA

EBA

FIGURE 1

01–1050

C:\1050\site.dwg, 11X17ENV, 09/10/2004 10:19:45 AM



SITE MAP

TOLAY LAKE RANCH
PETALUMA, CALIFORNIA

FIGURE
2
03–1050

LEGEND

S-1 SAMPLE LOCATION

NOTE: AERIAL PHOTO DATED 7/10/93

AGRICULTURAL LANDS SOIL SAMPLE LOCATIONS

TOLAY LAKE RANCH
PETALUMA, CALIFORNIA

FIGURE 3

03-1050

EBA

Q:\1050\ssoil samples.dwg, 11X17ENV (2), 09/10/2004 10:53:27 AM

LEGEND

D-1 SAMPLE LOCATION

NOTE: AERIAL PHOTO DATED 7/10/93

FIGURE 4

03-1050

DITCH SAMPLE LOCATIONS

TOLAY LAKE RANCH
PETALUMA, CALIFORNIA

EBA

Q:\1050\ssoil samples.dwg, 11X17ENV (4), 09/13/2004 12:29:10 PM

LEGEND

S-1 SAMPLE LOCATION

NOTE: AERIAL PHOTO DATED 7/10/93

LEAD SAMPLE LOCATIONS

TOLAY LAKE RANCH
PETALUMA, CALIFORNIA

FIGURE 5

03-1050

EBA

Q:\1050\ssoil samples.dwg, 11X17ENV (5), 09/10/2004 10:55:27 AM

LEGEND

B-1 SAMPLE LOCATION

NOTE: AERIAL PHOTO DATED 7/10/93

FIGURE 6

03-1050

UST SAMPLE LOCATIONS

TOLAY LAKE RANCH
PETALUMA, CALIFORNIA

EBA

G:\1050\ssoil samples.dwg, 11X17ENV (6), 09/10/2004 10:56:20 AM

APPENDIX B

TABULATED ANALYTICAL RESULTS

TABLE 1
TABULATED ANALYTICAL RESULTS
AGRICULTURAL LANDS
CARBAMATE AND UREA PESTICIDES
TOLAY LAKE PROPERTY
PETALUMA, CALIFORNIA

Analysis	Date	Units	S1-S10	S11-S20	S21-S30	S31-S40	S41-S50
Carbaryl	8/18/2004	ug/g	ND	ND	ND	ND	ND
Diruon	8/18/2004	ug/g	ND	ND	ND	ND	ND

ug/g = micrograms per gram
ND = Not detected above the laboratory detection limit

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TABLE 2
TABULATED ANALYTICAL RESULTS
AGRICULTURAL LANDS
CHLORINATED HERBICIDES
TOLAY LAKE PROPERTY
PETALUMA, CALIFORNIA

Analysis	Date	Units	S1-S10	S11-S20	S21-S30	S31-S40	S41-S50
Dalapon	8/18/2004	ug/g	ND	ND	ND	ND	ND
Dicamba	8/18/2004	ug/g	ND	ND	ND	ND	ND
Dichloroprop	8/18/2004	ug/g	ND	ND	ND	ND	ND
2,4-D	8/18/2004	ug/g	ND	ND	ND	ND	ND
2,4,5-TP	8/18/2004	ug/g	ND	ND	ND	ND	ND
2,4,6-T	8/18/2004	ug/g	ND	ND	ND	ND	ND
2,4-DB	8/18/2004	ug/g	ND	ND	ND	ND	ND
Dinoseb	8/18/2004	ug/g	ND	ND	ND	ND	ND

ug/g = micrograms per gram
ND = Not detected above the laboratory detection limit

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TABLE 3
TABULATED ANALYTICAL RESULTS
AGRICULTURAL LANDS
ORGANOPHOSPHATE PESTICIDES
TOLAY LAKE PROPERTY
PETALUMA, CALIFORNIA

Analysis	Date	Units	S1-S10	S11-S20	S21-S30	S31-S40	S41-S50
Dichlorvos	8/18/2004	ug/g	ND	ND	ND	ND	ND
Mevinphos	8/18/2004	ug/g	ND	ND	ND	ND	ND
Ethoprophos	8/18/2004	ug/g	ND	ND	ND	ND	ND
Phorate	8/18/2004	ug/g	ND	ND	ND	ND	ND
Demeton-S	8/18/2004	ug/g	ND	ND	ND	ND	ND
Diazinon	8/18/2004	ug/g	ND	ND	ND	ND	ND
Disulfoton	8/18/2004	ug/g	ND	ND	ND	ND	ND
Dimethoate	8/18/2004	ug/g	ND	ND	ND	ND	ND
Ronnel	8/18/2004	ug/g	ND	ND	ND	ND	ND
Methyl Parathion	8/18/2004	ug/g	ND	ND	ND	ND	ND
Chlorpyrifos	8/18/2004	ug/g	ND	ND	ND	ND	ND
Malathion	8/18/2004	ug/g	ND	ND	ND	ND	ND
Parathion	8/18/2004	ug/g	ND	ND	ND	ND	ND
Fenthion	8/18/2004	ug/g	ND	ND	ND	ND	ND
Tetrachlovinphos	8/18/2004	ug/g	ND	ND	ND	ND	ND
Ethion	8/18/2004	ug/g	ND	ND	ND	ND	ND
Fensulfothion	8/18/2004	ug/g	ND	ND	ND	ND	ND
Azinphos	8/18/2004	ug/g	ND	ND	ND	ND	ND
Coumaphos	8/18/2004	ug/g	ND	ND	ND	ND	ND

ug/g = micrograms per gram
ND = Not detected above the laboratory detection limit

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TABLE 4
TABULATED ANALYTICAL RESULTS
AGRICULTURAL LANDS
TRIAZINE PESTICIDES
TOLAY LAKE PROPERTY
PETALUMA, CALIFORNIA

Analysis	Date	Units	S1-S10	S11-S20	S21-S30	S31-S40	S41-S50
Atraton	8/18/2004	ug/g	ND	ND	ND	ND	ND
Simazine	8/18/2004	ug/g	ND	ND	ND	ND	ND
Prometon	8/18/2004	ug/g	ND	ND	ND	ND	ND
Atrazine	8/18/2004	ug/g	ND	ND	ND	ND	ND
Propazine	8/18/2004	ug/g	ND	ND	ND	ND	ND
Simetryn	8/18/2004	ug/g	ND	ND	ND	ND	ND
Ametryn	8/18/2004	ug/g	ND	ND	ND	ND	ND
Prometryn	8/18/2004	ug/g	ND	ND	ND	ND	ND
Terbutryn	8/18/2004	ug/g	ND	ND	ND	ND	ND

ug/g = micrograms per gram
ND = Not detected above the laboratory detection limit

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TABLE 5
TABULATED ANALYTICAL RESULTS
AGRICULTURAL LANDS
CARBAMATE AND UREA PESTICIDES
TOLAY LAKE PROPERTY
PETALUMA, CALIFORNIA

Analysis	Date	Units	S1-S10	S11-S20	S21-S30	S31-S40	S41-S50
Carbaryl	8/18/2004	ug/g	ND	ND	ND	ND	ND
Diruon	8/18/2004	ug/g	ND	ND	ND	ND	ND

ug/g = micrograms per gram
ND = Not detected above the laboratory detection limit

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TABLE 6
TABULATED ANALYTICAL RESULTS
AGRICULTURAL LANDS - DRAINAGES
CARBAMATE AND UREA PESTICIDES
TOLAY LAKE PROPERTY
PETALUMA, CALIFORNIA

Analysis	Date	Units	D-1	D-2	D-3	D-4	D-5
Carbaryl	8/18/2004	ug/g	ND	ND	ND	ND	ND
Diruon	8/18/2004	ug/g	ND	ND	ND	ND	ND

ug/g = micrograms per gram
ND = Not detected above the laboratory detection limit

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TABLE 7
TABULATED ANALYTICAL RESULTS
AGRICULTURAL LANDS - DRAINAGES
CHLORINATED HERBICIDES
TOLAY LAKE PROPERTY
PETALUMA, CALIFORNIA

Analysis	Date	Units	D-1	D-2	D-3	D-4	D-5
Dalapon	8/18/2004	ug/g	ND	ND	ND	ND	ND
Dicamba	8/18/2004	ug/g	ND	ND	ND	ND	ND
Dichloroprop	8/18/2004	ug/g	ND	ND	ND	ND	ND
2,4-D	8/18/2004	ug/g	ND	ND	ND	ND	ND
2,4,5-TP	8/18/2004	ug/g	ND	ND	ND	ND	ND
2,4,6-T	8/18/2004	ug/g	ND	ND	ND	ND	ND
2,4-DB	8/18/2004	ug/g	ND	ND	ND	ND	ND
Dinoseb	8/18/2004	ug/g	ND	ND	ND	ND	ND

ug/g = micrograms per gram
ND = Not detected above the laboratory detection limit

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TABLE 8
TABULATED ANALYTICAL RESULTS
AGRICULTURAL LANDS - DRAINAGES
ORGANOPHOSPHATE PESTICIDES
TOLAY LAKE PROPERTY
PETALUMA, CALIFORNIA

Analysis	Date	Units	D-1	D-2	D-3	D-4	D-5
Dichlorvos	8/18/2004	ug/g	ND	ND	ND	ND	ND
Mevinphos	8/18/2004	ug/g	ND	ND	ND	ND	ND
Ethoprophos	8/18/2004	ug/g	ND	ND	ND	ND	ND
Phorate	8/18/2004	ug/g	ND	ND	ND	ND	ND
Demeton-S	8/18/2004	ug/g	ND	ND	ND	ND	ND
Diazinon	8/18/2004	ug/g	ND	ND	ND	ND	ND
Disulfoton	8/18/2004	ug/g	ND	ND	ND	ND	ND
Dimethoate	8/18/2004	ug/g	ND	ND	ND	ND	ND
Ronnel	8/18/2004	ug/g	ND	ND	ND	ND	ND
Methyl Parathion	8/18/2004	ug/g	ND	ND	ND	ND	ND
Chlorpyrifos	8/18/2004	ug/g	ND	ND	ND	ND	ND
Malathion	8/18/2004	ug/g	ND	ND	ND	ND	ND
Parathion	8/18/2004	ug/g	ND	ND	ND	ND	ND
Fenthion	8/18/2004	ug/g	ND	ND	ND	ND	ND
Tetrachlovinphos	8/18/2004	ug/g	ND	ND	ND	ND	ND
Ethion	8/18/2004	ug/g	ND	ND	ND	ND	ND
Fensulfothion	8/18/2004	ug/g	ND	ND	ND	ND	ND
Azinphos	8/18/2004	ug/g	ND	ND	ND	ND	ND
Coumaphos	8/18/2004	ug/g	ND	ND	ND	ND	ND

ug/g = micrograms per gram
ND = Not detected above the laboratory detection limit

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TABLE 9
TABULATED ANALYTICAL RESULTS
AGRICULTURAL LANDS - DRAINAGES
TRIAZINE PESTICIDES
TOLAY LAKE PROPERTY
PETALUMA, CALIFORNIA

Analysis	Date	Units	D-1	D-2	D-3	D-4	D-5
Atraton	8/18/2004	ug/g	ND	ND	ND	ND	ND
Simazine	8/18/2004	ug/g	ND	ND	ND	ND	ND
Prometon	8/18/2004	ug/g	ND	ND	ND	ND	ND
Atrazine	8/18/2004	ug/g	ND	ND	ND	ND	ND
Propazine	8/18/2004	ug/g	ND	ND	ND	ND	ND
Simetryn	8/18/2004	ug/g	ND	ND	ND	ND	ND
Ametryn	8/18/2004	ug/g	ND	ND	ND	ND	ND
Prometryn	8/18/2004	ug/g	ND	ND	ND	ND	ND
Terbutryn	8/18/2004	ug/g	ND	ND	ND	ND	ND

ug/g = micrograms per gram
ND = Not detected above the laboratory detection limit

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TABLE 10
TABULATED ANALYTICAL RESULTS
AGRICULTURAL LANDS - DRAINAGES
CARBAMATE AND UREA PESTICIDES
TOLAY LAKE PROPERTY
PETALUMA, CALIFORNIA

Analysis	Date	Units	D-1	D-2	D-3	D-4	D-5
Carbaryl	8/18/2004	ug/g	ND	ND	ND	ND	ND
Diruon	8/18/2004	ug/g	ND	ND	ND	ND	ND

ug/g = micrograms per gram
ND = Not detected above the laboratory detection limit

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TABLE 11
TABULATED ANALYTICAL RESULTS
POTABLE WATER SYSTEM
WATER QUALITY PARAMETERS
TOLAY LAKE PROPERTY
PETALUMA, CALIFORNIA

Analysis	Units	Date	Water Tank
Iron	mg/L	8/25/2004	ND
Manganese	mg/L	8/25/2004	ND
Sodium	mg/L	8/25/2004	22
Hardness, Total	mg/L	8/25/2004	140
pH	pH Units	8/25/2004	7.7
Specific Conductance	umhos/cm	8/25/2004	440
Total Dissolved Solids	mg/L	8/25/2004	220
Nitrate as NO3	mg/L	8/25/2004	13
Total Coliforms	Present/Absent	8/25/2004	Present
Fecal Coliforms	Present/Absent	8/25/2004	Present

mg/L = milligrams per Liter
ND = Not detected above the laboratory detection limit
umhos/cm = micromhos per centimeter

EBA ENGINEERING

TABLE 12
TABULATED ANALYTICAL RESULTS
FORMER WATERFOWL HUNTING AREA
TOTAL LEAD
TOLAY LAKE PROPERTY
PETALUMA, CALIFORNIA

Analysis	Date	Units	S-1	S-2	S-3	S-4	S-5	S-6	S-7	S-8	S-9B
Lead	8/25/2004	mg/kg	16	16	14	20	11	17	19	15	9

mg/kg = milligrams per kilogram
ND = Not detected above the laboratory detection limit

EBA ENGINEERING

TABLE 13
TABULATED ANALYTICAL RESULTS
FORMER UST LOCATION
PETROLEUM HYDROCARBONS & BTEX/MtBE
TOLAY LAKE PROPERTY
PETALUMA, CALIFORNIA

Analysis	Date	Units	TPH-gas	TPH-d	TPH-mo	Benzene	Toluene	Ethylbenzene	Xylenes
B-1@7'	8/25/2004	mg/kg	ND	ND	ND	ND	ND	ND	ND
B-2@6.5'	8/25/2004	mg/kg	ND	ND	2.2	ND	ND	ND	ND
B-3@6'	8/25/2004	mg/kg	ND	ND	ND	ND	ND	ND	ND

mg/kg = milligrams per kilogram
ND = Not detected above the laboratory detection limit

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APPENDIX C

CERTIFIED ANALYTICAL RESULTS

NORTH COAST LABORATORIES LTD.

September 13, 2004

EBA Engineering
825 Sonoma Avenue
Santa Rosa, CA 95404

Attn: David Noren

RE: 03-1050, Tolay Lake Property

Order No.: 0408484
Invoice No.: 44648
PO No.:
ELAP No. 1247-Expires July 2004

SAMPLE IDENTIFICATION

Fraction	Client Sample Description
01A	S-1,2,3,4,5,6,7,8,9,10 COMPOSITE
02A	S-11,12,13,14,15,16,17,18,19,20 COMPOSIT
03A	S-21,22,23,24,25,26,27,28,29,30 COMPOSIT
04A	S-31,32,33,34,35,36,37,38,39,40 COMPOSIT
05A	S-41,42,43,44,45,46,47,48,49,50 COMPOSIT
06A	D-1
07A	D-2
08A	D-3
09A	D-4
10A	D-5

ND = Not Detected at the Reporting Limit

Limit = Reporting Limit

All solid results are expressed on a wet-weight basis unless otherwise noted.

REPORT CERTIFIED BY

Laboratory Supervisor(s) | QA Unit | Jesse G. Chaney, Jr. Laboratory Director

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EPA 8151A:
The surrogate recoveries for all of the samples were outside of the acceptance limits. The surrogate recoveries for the quality control samples were within the acceptance limits. This indicates that the low surrogate recoveries may be due to matrix effects from the samples.

The matrix spike (MS) recoveries were outside of the acceptance limits for all of the analytes. The laboratory control sample/laboratory control sample duplicate (LCS/LCSD) recoveries were within the acceptance limits for all of the analytes indicating that the low recoveries may be due to matrix effects.

The reporting limits for all analytes were raised due to poor matrix spike and surrogate recoveries.

EPA 632:
Samples D-2, D-3 and D-5 were diluted due to matrix interference.

EPA 8081A:
The reporting limits were raised for samples S-41,42,43,44,45,46,47,48,49,50 COMPOSITE, D-3 and D-4 due to sample matrix.

Samples D-2 and D-5 were diluted and the surrogate recoveries were not quantifiable (NQ) due to the sample matrix.

The surrogate recovery for sample S-41,42,43,44,45,46,47,48,49,50 COMPOSITE was outside of the acceptance limits. The surrogate recoveries for the quality control samples were within acceptance limits. This indicates that the high surrogate recovery may be due to matrix effects from the sample.

Sample S-41,42,43,44,45,46,47,48,49,50 COMPOSITE was originally extracted within the 14 day holding time. Due to a laboratory error, the sample had to be re-exytracted. The sample was re-extracted 1 day past the 14 day holding time.

The LCS/LCSD, extracted on 9/2/04, have recoveries that were below the lower acceptance limits for several analytes. The reporting limits were raised for the sample associated with these LCS/LCSD.

EPA 619:
The relative percent difference (RPD) for the laboratory control samples was above the upper acceptance limit for simazine. This indicates that the results could be variable. Since there were no detectable levels of the analyte in the samples, the data were accepted.

EPA 8141A:
The surrogate recovery for the LCS extracted on 8/27/04 was below the lower acceptance limit. All of

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the analyte recoveries were within the acceptance limits; therefore, the data were accepted.

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Date: 13-Sep-04

WorkOrder: 0408484

ANALYTICAL REPORT

Client Sample ID: S-1,2,3,4,5,6,7,8,9,10 COMPOSITE **Received:** 8/20/04 **Collected:** 8/18/04 0:00

Lab ID: 0408484-01A

Test Name: Carbamate and Urea Pesticides **Reference:** EPA 632 Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Carbaryl	ND	0.50	µg/g	1.0	8/26/04	8/31/04
Diuron	ND	0.20	µg/g	1.0	8/26/04	8/31/04
Surrogate: Simazine	66.9	52.3-119	% Rec	1.0	8/26/04	8/31/04

Test Name: Chlorinated Herbicides **Reference:** EPA 8151A

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Dalapon	ND	10	µg/g	1.0	8/25/04	9/1/04
Dicamba	ND	2.0	µg/g	1.0	8/25/04	9/1/04
Dichlorprop	ND	10	µg/g	1.0	8/25/04	9/1/04
2,4-D	ND	10	µg/g	1.0	8/25/04	9/1/04
2,4,5-TP	ND	1.0	µg/g	1.0	8/25/04	9/1/04
2,4,5-T	ND	1.0	µg/g	1.0	8/25/04	9/1/04
2,4-DB	ND	10	µg/g	1.0	8/25/04	9/1/04
Dinoseb	ND	2.0	µg/g	1.0	8/25/04	9/1/04
Surrogate: 2,3-D	10.7	44.2-99.9	% Rec	1.0	8/25/04	9/1/04

Test Name: Chlorsulfuron **Reference:** EPA 632 Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Chlorsulfuron	ND	0.10	µg/g	1.0	8/31/04	9/1/04

Test Name: Organochlorine Pesticides **Reference:** EPA 8081A

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
alpha-BHC	ND	0.020	µg/g	1.0	8/30/04	9/3/04
beta-BHC	ND	0.020	µg/g	1.0	8/30/04	9/3/04
Lindane	ND	0.020	µg/g	1.0	8/30/04	9/3/04
delta-BHC	ND	0.020	µg/g	1.0	8/30/04	9/3/04
Heptachlor	ND	0.020	µg/g	1.0	8/30/04	9/3/04
Aldrin	ND	0.020	µg/g	1.0	8/30/04	9/3/04
Heptachlor Epoxide	ND	0.020	µg/g	1.0	8/30/04	9/3/04
Endosulfan I	ND	0.020	µg/g	1.0	8/30/04	9/3/04
Dieldrin	ND	0.020	µg/g	1.0	8/30/04	9/3/04
4,4'-DDE	ND	0.020	µg/g	1.0	8/30/04	9/3/04
Endrin	ND	0.020	µg/g	1.0	8/30/04	9/3/04
Endosulfan II	ND	0.020	µg/g	1.0	8/30/04	9/3/04
4,4'-DDD	ND	0.020	µg/g	1.0	8/30/04	9/3/04
Endrin Aldehyde	ND	0.020	µg/g	1.0	8/30/04	9/3/04
Endosulfan sulfate	ND	0.020	µg/g	1.0	8/30/04	9/3/04
4,4'-DDT	ND	0.020	µg/g	1.0	8/30/04	9/3/04
Methoxychlor	ND	0.020	µg/g	1.0	8/30/04	9/3/04
Chlordane	ND	1.0	µg/g	1.0	8/30/04	9/3/04
Toxaphene	ND	10	µg/g	1.0	8/30/04	9/3/04
Surrogate: Chloroneb	81.3	27-160	% Rec	1.0	8/30/04	9/3/04

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Date: 13-Sep-04

WorkOrder: 0408484

ANALYTICAL REPORT

Test Name: Organophosphorous Pesticides — Reference: EPA 8141A

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Dichlorvos	ND	0.50	µg/g	1.0	8/25/04	8/28/04
Mevinphos	ND	1.0	µg/g	1.0	8/25/04	8/28/04
Ethoprophos	ND	1.0	µg/g	1.0	8/25/04	8/28/04
Phorate	ND	1.0	µg/g	1.0	8/25/04	8/28/04
Demeton-S	ND	2.0	µg/g	1.0	8/25/04	8/28/04
Diazinon	ND	0.50	µg/g	1.0	8/25/04	8/28/04
Disulfoton	ND	0.50	µg/g	1.0	8/25/04	8/28/04
Dimethoate	ND	2.0	µg/g	1.0	8/25/04	8/28/04
Ronnel	ND	0.50	µg/g	1.0	8/25/04	8/28/04
Methyl Parathion	ND	0.50	µg/g	1.0	8/25/04	8/28/04
Chlorpyrifos	ND	0.50	µg/g	1.0	8/25/04	8/28/04
Malathion	ND	0.50	µg/g	1.0	8/25/04	8/28/04
Parathion	ND	0.50	µg/g	1.0	8/25/04	8/28/04
Fenthion	ND	0.50	µg/g	1.0	8/25/04	8/28/04
Tetrachlorvinphos	ND	0.50	µg/g	1.0	8/25/04	8/28/04
Ethion	ND	0.50	µg/g	1.0	8/25/04	8/28/04
Fensulfothion	ND	1.0	µg/g	1.0	8/25/04	8/28/04
Azinphos	ND	2.5	µg/g	1.0	8/25/04	8/28/04
Coumaphos	ND	2.5	µg/g	1.0	8/25/04	8/28/04
Surrogate: Triphenylphosphate	81.9	29.9-137	%.Rec	1.0	8/25/04	8/28/04

Test Name: Oryzalin (surflan) — Reference: EPA 632 Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Oryzalin(Surflan)	ND	1.0	µg/g	1.0	8/26/04	8/31/04

Test Name: Triazine Pesticides — Reference: EPA 619 Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Atraton	ND	1.0	µg/g	1.0	8/27/04	9/2/04
Simazine	ND	1.0	µg/g	1.0	8/27/04	9/2/04
Prometon	ND	1.0	µg/g	1.0	8/27/04	9/2/04
Atrazine	ND	1.0	µg/g	1.0	8/27/04	9/2/04
Propazine	ND	1.0	µg/g	1.0	8/27/04	9/2/04
Simetryn	ND	1.0	µg/g	1.0	8/27/04	9/2/04
Ametryn	ND	1.0	µg/g	1.0	8/27/04	9/2/04
Prometryn	ND	1.0	µg/g	1.0	8/27/04	9/2/04
Terbutryn	ND	1.0	µg/g	1.0	8/27/04	9/2/04
Surrogate: Triphenylphosphate	139	28.4-149	% Rec	1.0	8/27/04	9/2/04

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Date: 13-Sep-04
WorkOrder: 0408484

ANALYTICAL REPORT

Client Sample ID: S-11,12,13,14,15,16,17,18,19,20 COMPOS Received: 8/20/04 Collected: 8/18/04 0:00
Lab ID: 0408484-02A

Test Name: Carbamate and Urea Pesticides Reference: EPA 632 Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Carbaryl	ND	0.50	µg/g	1.0	8/26/04	9/1/04
Diuron	ND	0.20	µg/g	1.0	8/26/04	9/1/04
Surrogate: Simazine	76.5	52.3-119	% Rec	1.0	8/26/04	9/1/04

Test Name: Chlorinated Herbicides Reference: EPA 8151A

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Dalapon	ND	10	µg/g	1.0	8/25/04	9/1/04
Dicamba	ND	2.0	µg/g	1.0	8/25/04	9/1/04
Dichlorprop	ND	10	µg/g	1.0	8/25/04	9/1/04
2,4-D	ND	10	µg/g	1.0	8/25/04	9/1/04
2,4,5-TP	ND	1.0	µg/g	1.0	8/25/04	9/1/04
2,4,5-T	ND	1.0	µg/g	1.0	8/25/04	9/1/04
2,4-DB	ND	10	µg/g	1.0	8/25/04	9/1/04
Dinoseb	ND	2.0	µg/g	1.0	8/25/04	9/1/04
Surrogate: 2,3-D	11.1	44.2-99.9	% Rec	1.0	8/25/04	9/1/04

Test Name: Chlorsulfuron Reference: EPA 632 Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Chlorsulfuron	ND	0.10	µg/g	1.0	8/31/04	9/1/04

Test Name: Organochlorine Pesticides Reference: EPA 8081A

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
alpha-BHC	ND	0.020	µg/g	1.0	8/30/04	9/7/04
beta-BHC	ND	0.020	µg/g	1.0	8/30/04	9/7/04
Lindane	ND	0.020	µg/g	1.0	8/30/04	9/7/04
delta-BHC	ND	0.020	µg/g	1.0	8/30/04	9/7/04
Heptachlor	ND	0.020	µg/g	1.0	8/30/04	9/7/04
Aldrin	ND	0.020	µg/g	1.0	8/30/04	9/7/04
Heptachlor Epoxide	ND	0.020	µg/g	1.0	8/30/04	9/7/04
Endosulfan I	ND	0.020	µg/g	1.0	8/30/04	9/7/04
Dieldrin	ND	0.020	µg/g	1.0	8/30/04	9/7/04
4,4'-DDE	ND	0.020	µg/g	1.0	8/30/04	9/7/04
Endrin	ND	0.020	µg/g	1.0	8/30/04	9/7/04
Endosulfan II	ND	0.020	µg/g	1.0	8/30/04	9/7/04
4,4'-DDD	ND	0.020	µg/g	1.0	8/30/04	9/7/04
Endrin Aldehyde	ND	0.020	µg/g	1.0	8/30/04	9/7/04
Endosulfan sulfate	ND	0.020	µg/g	1.0	8/30/04	9/7/04
4,4'-DDT	ND	0.020	µg/g	1.0	8/30/04	9/7/04
Methoxychlor	ND	0.020	µg/g	1.0	8/30/04	9/7/04
Chlordane	ND	1.0	µg/g	1.0	8/30/04	9/7/04
Toxaphene	ND	10	µg/g	1.0	8/30/04	9/7/04
Surrogate: Chloroneb	58.9	27-160	% Rec	1.0	8/30/04	9/7/04

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Date: 13-Sep-04

WorkOrder: 0408484

ANALYTICAL REPORT

Test Name: Organophosphorous Pesticides — Reference: EPA 8141A

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Dichlorvos	ND	0.50	µg/g	1.0	8/25/04	8/28/04
Mevinphos	ND	1.0	µg/g	1.0	8/25/04	8/28/04
Ethoprophos	ND	1.0	µg/g	1.0	8/25/04	8/28/04
Phorate	ND	1.0	µg/g	1.0	8/25/04	8/28/04
Demeton-S	ND	2.0	µg/g	1.0	8/25/04	8/28/04
Diazinon	ND	0.50	µg/g	1.0	8/25/04	8/28/04
Disulfoton	ND	0.50	µg/g	1.0	8/25/04	8/28/04
Dimethoate	ND	2.0	µg/g	1.0	8/25/04	8/28/04
Ronnel	ND	0.50	µg/g	1.0	8/25/04	8/28/04
Methyl Parathion	ND	0.50	µg/g	1.0	8/25/04	8/28/04
Chlorpyrifos	ND	0.50	µg/g	1.0	8/25/04	8/28/04
Malathion	ND	0.50	µg/g	1.0	8/25/04	8/28/04
Parathion	ND	0.50	µg/g	1.0	8/25/04	8/28/04
Fenthion	ND	0.50	µg/g	1.0	8/25/04	8/28/04
Tetrachlorvinphos	ND	0.50	µg/g	1.0	8/25/04	8/28/04
Ethion	ND	0.50	µg/g	1.0	8/25/04	8/28/04
Fensulfothion	ND	1.0	µg/g	1.0	8/25/04	8/28/04
Azinphos	ND	2.5	µg/g	1.0	8/25/04	8/28/04
Coumaphos	ND	2.5	µg/g	1.0	8/25/04	8/28/04
Surrogate: Triphenylphosphate	77.4	29.9-137	% Rec	1.0	8/25/04	8/28/04

Test Name: Oryzalin (surflan) — Reference: EPA 632 Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Oryzalin(Surflan)	ND	1.0	µg/g	1.0	8/26/04	8/31/04

Test Name: Triazine Pesticides — Reference: EPA 619 Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Atraton	ND	1.0	µg/g	1.0	8/27/04	9/2/04
Simazine	ND	1.0	µg/g	1.0	8/27/04	9/2/04
Prometon	ND	1.0	µg/g	1.0	8/27/04	9/2/04
Atrazine	ND	1.0	µg/g	1.0	8/27/04	9/2/04
Propazine	ND	1.0	µg/g	1.0	8/27/04	9/2/04
Simetryn	ND	1.0	µg/g	1.0	8/27/04	9/2/04
Ametryn	ND	1.0	µg/g	1.0	8/27/04	9/2/04
Prometryn	ND	1.0	µg/g	1.0	8/27/04	9/2/04
Terbutryn	ND	1.0	µg/g	1.0	8/27/04	9/2/04
Surrogate: Triphenylphosphate	146	28.4-149	% Rec	1.0	8/27/04	9/2/04

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Date: 13-Sep-04

WorkOrder: 0408484

ANALYTICAL REPORT

Client Sample ID: S-21,22,23,24,25,26,27,28,29,30 COMPOS Received: 8/20/04 Collected: 8/18/04 0:00

Lab ID: 0408484-03A

Test Name: Carbamate and Urea Pesticides — **Reference:** EPA 632 Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Carbaryl	ND	0.50	µg/g	1.0	8/26/04	8/31/04
Diuron	ND	0.20	µg/g	1.0	8/26/04	8/31/04
Surrogate: Simazine	70.8	52.3-119	% Rec	1.0	8/26/04	8/31/04

Test Name: Chlorinated Herbicides — **Reference:** EPA 8151A

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Dalapon	ND	10	µg/g	1.0	8/25/04	9/1/04
Dicamba	ND	2.0	µg/g	1.0	8/25/04	9/1/04
Dichlorprop	ND	10	µg/g	1.0	8/25/04	9/1/04
2,4-D	ND	10	µg/g	1.0	8/25/04	9/1/04
2,4,5-TP	ND	1.0	µg/g	1.0	8/25/04	9/1/04
2,4,5-T	ND	1.0	µg/g	1.0	8/25/04	9/1/04
2,4-DB	ND	10	µg/g	1.0	8/25/04	9/1/04
Dinoseb	ND	2.0	µg/g	1.0	8/25/04	9/1/04
Surrogate: 2,3-D	9.88	44.2-99.9	% Rec	1.0	8/25/04	9/1/04

Test Name: Chlorsulfuron — **Reference:** EPA 632 Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Chlorsulfuron	ND	0.10	µg/g	1.0	8/31/04	9/1/04

Test Name: Organochlorine Pesticides — **Reference:** EPA 8081A

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
alpha-BHC	ND	0.020	µg/g	1.0	8/30/04	9/7/04
beta-BHC	ND	0.020	µg/g	1.0	8/30/04	9/7/04
Lindane	ND	0.020	µg/g	1.0	8/30/04	9/7/04
delta-BHC	ND	0.020	µg/g	1.0	8/30/04	9/7/04
Heptachlor	ND	0.020	µg/g	1.0	8/30/04	9/7/04
Aldrin	ND	0.020	µg/g	1.0	8/30/04	9/7/04
Heptachlor Epoxide	ND	0.020	µg/g	1.0	8/30/04	9/7/04
Endosulfan I	ND	0.020	µg/g	1.0	8/30/04	9/7/04
Dieldrin	ND	0.020	µg/g	1.0	8/30/04	9/7/04
4,4'-DDE	ND	0.020	µg/g	1.0	8/30/04	9/7/04
Endrin	ND	0.020	µg/g	1.0	8/30/04	9/7/04
Endosulfan II	ND	0.020	µg/g	1.0	8/30/04	9/7/04
4,4'-DDD	ND	0.020	µg/g	1.0	8/30/04	9/7/04
Endrin Aldehyde	ND	0.020	µg/g	1.0	8/30/04	9/7/04
Endosulfan sulfate	ND	0.020	µg/g	1.0	8/30/04	9/7/04
4,4'-DDT	ND	0.020	µg/g	1.0	8/30/04	9/7/04
Methoxychlor	ND	0.020	µg/g	1.0	8/30/04	9/7/04
Chlordane	ND	1.0	µg/g	1.0	8/30/04	9/7/04
Toxaphene	ND	10	µg/g	1.0	8/30/04	9/7/04
Surrogate: Chloroneb	56.4	27-160	% Rec	1.0	8/30/04	9/7/04

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Date: 13-Sep-04

ANALYTICAL REPORT

WorkOrder: 0408484

Test Name: Organophosphorous Pesticides Reference: EPA 8141A

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Dichlorvos	ND	0.50	µg/g	1.0	8/25/04	8/28/04
Mevinphos	ND	1.0	µg/g	1.0	8/25/04	8/28/04
Ethoprophos	ND	1.0	µg/g	1.0	8/25/04	8/28/04
Phorate	ND	1.0	µg/g	1.0	8/25/04	8/28/04
Demeton-S	ND	2.0	µg/g	1.0	8/25/04	8/28/04
Diazinon	ND	0.50	µg/g	1.0	8/25/04	8/28/04
Disulfoton	ND	0.50	µg/g	1.0	8/25/04	8/28/04
Dimethoate	ND	2.0	µg/g	1.0	8/25/04	8/28/04
Ronnel	ND	0.50	µg/g	1.0	8/25/04	8/28/04
Methyl Parathion	ND	0.50	µg/g	1.0	8/25/04	8/28/04
Chlorpyrifos	ND	0.50	µg/g	1.0	8/25/04	8/28/04
Malathion	ND	0.50	µg/g	1.0	8/25/04	8/28/04
Parathion	ND	0.50	µg/g	1.0	8/25/04	8/28/04
Fenthion	ND	0.50	µg/g	1.0	8/25/04	8/28/04
Tetrachlorvinphos	ND	0.50	µg/g	1.0	8/25/04	8/28/04
Ethion	ND	0.50	µg/g	1.0	8/25/04	8/28/04
Fensulfothion	ND	1.0	µg/g	1.0	8/25/04	8/28/04
Azinphos	ND	2.5	µg/g	1.0	8/25/04	8/28/04
Coumaphos	ND	2.5	µg/g	1.0	8/25/04	8/28/04
Surrogate: Triphenylphosphate	66.3	29.9-137	% Rec	1.0	8/25/04	8/28/04

Test Name: Oryzalin (surflan) Reference: EPA 632 Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Oryzalin(Surflan)	ND	1.0	µg/g	1.0	8/26/04	8/31/04

Test Name: Triazine Pesticides Reference: EPA 619 Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Atraton	ND	1.0	µg/g	1.0	8/27/04	9/2/04
Simazine	ND	1.0	µg/g	1.0	8/27/04	9/2/04
Prometon	ND	1.0	µg/g	1.0	8/27/04	9/2/04
Atrazine	ND	1.0	µg/g	1.0	8/27/04	9/2/04
Propazine	ND	1.0	µg/g	1.0	8/27/04	9/2/04
Simetryn	ND	1.0	µg/g	1.0	8/27/04	9/2/04
Ametryn	ND	1.0	µg/g	1.0	8/27/04	9/2/04
Prometryn	ND	1.0	µg/g	1.0	8/27/04	9/2/04
Terbutryn	ND	1.0	µg/g	1.0	8/27/04	9/2/04
Surrogate: Triphenylphosphate	139	28.4-149	% Rec	1.0	8/27/04	9/2/04

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Date: 13-Sep-04
WorkOrder: 0408484

ANALYTICAL REPORT

Client Sample ID: S-31,32,33,34,35,36,37,38,39,40 COMPOS **Received:** 8/20/04 **Collected:** 8/18/04 0:00
Lab ID: 0408484-04A

Test Name: Carbamate and Urea Pesticides **Reference:** EPA 632 Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Carbaryl	ND	0.50	µg/g	1.0	8/26/04	8/31/04
Diuron	ND	0.20	µg/g	1.0	8/26/04	8/31/04
Surrogate: Simazine	74.5	52.3-119	% Rec	1.0	8/26/04	8/31/04

Test Name: Chlorinated Herbicides **Reference:** EPA 8151A

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Dalapon	ND	10	µg/g	1.0	8/25/04	9/1/04
Dicamba	ND	2.0	µg/g	1.0	8/25/04	9/1/04
Dichlorprop	ND	10	µg/g	1.0	8/25/04	9/1/04
2,4-D	ND	10	µg/g	1.0	8/25/04	9/1/04
2,4,5-TP	ND	1.0	µg/g	1.0	8/25/04	9/1/04
2,4,5-T	ND	1.0	µg/g	1.0	8/25/04	9/1/04
2,4-DB	ND	10	µg/g	1.0	8/25/04	9/1/04
Dinoseb	ND	2.0	µg/g	1.0	8/25/04	9/1/04
Surrogate: 2,3-D	9.24	44.2-99.9	% Rec	1.0	8/25/04	9/1/04

Test Name: Chlorsulfuron **Reference:** EPA 632 Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Chlorsulfuron	ND	0.10	µg/g	1.0	8/31/04	9/1/04

Test Name: Organochlorine Pesticides **Reference:** EPA 8081A

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
alpha-BHC	ND	0.020	µg/g	1.0	8/30/04	9/8/04
beta-BHC	ND	0.020	µg/g	1.0	8/30/04	9/8/04
Lindane	ND	0.020	µg/g	1.0	8/30/04	9/8/04
delta-BHC	ND	0.020	µg/g	1.0	8/30/04	9/8/04
Heptachlor	ND	0.020	µg/g	1.0	8/30/04	9/8/04
Aldrin	ND	0.020	µg/g	1.0	8/30/04	9/8/04
Heptachlor Epoxide	ND	0.020	µg/g	1.0	8/30/04	9/8/04
Endosulfan I	ND	0.020	µg/g	1.0	8/30/04	9/8/04
Dieldrin	ND	0.020	µg/g	1.0	8/30/04	9/8/04
4,4'-DDE	ND	0.020	µg/g	1.0	8/30/04	9/8/04
Endrin	ND	0.020	µg/g	1.0	8/30/04	9/8/04
Endosulfan II	ND	0.020	µg/g	1.0	8/30/04	9/8/04
4,4'-DDD	ND	0.020	µg/g	1.0	8/30/04	9/8/04
Endrin Aldehyde	ND	0.020	µg/g	1.0	8/30/04	9/8/04
Endosulfan sulfate	ND	0.020	µg/g	1.0	8/30/04	9/8/04
4,4'-DDT	ND	0.020	µg/g	1.0	8/30/04	9/8/04
Methoxychlor	ND	0.020	µg/g	1.0	8/30/04	9/8/04
Chlordane	ND	1.0	µg/g	1.0	8/30/04	9/8/04
Toxaphene	ND	10	µg/g	1.0	8/30/04	9/8/04
Surrogate: Chloroneb	79.1	27-160	% Rec	1.0	8/30/04	9/8/04

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Date: 13-Sep-04

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WorkOrder: 0408484

Test Name: Organophosphorous Pesticides **Reference:** EPA 8141A

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Dichlorvos	ND	0.50	µg/g	1.0	8/25/04	8/28/04
Mevinphos	ND	1.0	µg/g	1.0	8/25/04	8/28/04
Ethoprophos	ND	1.0	µg/g	1.0	8/25/04	8/28/04
Phorate	ND	1.0	µg/g	1.0	8/25/04	8/28/04
Demeton-S	ND	2.0	µg/g	1.0	8/25/04	8/28/04
Diazinon	ND	0.50	µg/g	1.0	8/25/04	8/28/04
Disulfoton	ND	0.50	µg/g	1.0	8/25/04	8/28/04
Dimethoate	ND	2.0	µg/g	1.0	8/25/04	8/28/04
Ronnel	ND	0.50	µg/g	1.0	8/25/04	8/28/04
Methyl Parathion	ND	0.50	µg/g	1.0	8/25/04	8/28/04
Chlorpyrifos	ND	0.50	µg/g	1.0	8/25/04	8/28/04
Malathion	ND	0.50	µg/g	1.0	8/25/04	8/28/04
Parathion	ND	0.50	µg/g	1.0	8/25/04	8/28/04
Fenthion	ND	0.50	µg/g	1.0	8/25/04	8/28/04
Tetrachlorvinphos	ND	0.50	µg/g	1.0	8/25/04	8/28/04
Ethion	ND	0.50	µg/g	1.0	8/25/04	8/28/04
Fensulfothion	ND	1.0	µg/g	1.0	8/25/04	8/28/04
Azinphos	ND	2.5	µg/g	1.0	8/25/04	8/28/04
Coumaphos	ND	2.5	µg/g	1.0	8/25/04	8/28/04
Surrogate: Triphenylphosphate	80.5	29.9-137	% Rec	1.0	8/25/04	8/28/04

Test Name: Oryzalin (surflan) **Reference:** EPA 632 Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Oryzalin(Surflan)	ND	1.0	µg/g	1.0	8/26/04	8/31/04

Test Name: Triazine Pesticides **Reference:** EPA 619 Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Atraton	ND	1.0	µg/g	1.0	8/27/04	9/2/04
Simazine	ND	1.0	µg/g	1.0	8/27/04	9/2/04
Prometon	ND	1.0	µg/g	1.0	8/27/04	9/2/04
Atrazine	ND	1.0	µg/g	1.0	8/27/04	9/2/04
Propazine	ND	1.0	µg/g	1.0	8/27/04	9/2/04
Simetryn	ND	1.0	µg/g	1.0	8/27/04	9/2/04
Ametryn	ND	1.0	µg/g	1.0	8/27/04	9/2/04
Prometryn	ND	1.0	µg/g	1.0	8/27/04	9/2/04
Terbutryn	ND	1.0	µg/g	1.0	8/27/04	9/2/04
Surrogate: Triphenylphosphate	135	28.4-149	% Rec	1.0	8/27/04	9/2/04

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Date: 13-Sep-04
WorkOrder: 0408484

ANALYTICAL REPORT

Client Sample ID: S-41,42,43,44,45,46,47,48,49,50 COMPOS **Received:** 8/20/04 **Collected:** 8/18/04 0:00
Lab ID: 0408484-05A

Test Name: Carbamate and Urea Pesticides **Reference:** EPA 632 Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Carbaryl	ND	0.50	µg/g	1.0	8/26/04	9/1/04
Diuron	ND	0.20	µg/g	1.0	8/26/04	9/1/04
Surrogate: Simazine	75.4	52.3-119	% Rec	1.0	8/26/04	9/1/04

Test Name: Chlorinated Herbicides **Reference:** EPA 8151A

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Dalapon	ND	10	µg/g	1.0	8/25/04	9/1/04
Dicamba	ND	2.0	µg/g	1.0	8/25/04	9/1/04
Dichlorprop	ND	10	µg/g	1.0	8/25/04	9/1/04
2,4-D	ND	10	µg/g	1.0	8/25/04	9/1/04
2,4,5-TP	ND	1.0	µg/g	1.0	8/25/04	9/1/04
2,4,5-T	ND	1.0	µg/g	1.0	8/25/04	9/1/04
2,4-DB	ND	10	µg/g	1.0	8/25/04	9/1/04
Dinoseb	ND	2.0	µg/g	1.0	8/25/04	9/1/04
Surrogate: 2,3-D	11.1	44.2-99.9	% Rec	1.0	8/25/04	9/1/04

Test Name: Chlorsulfuron **Reference:** EPA 632 Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Chlorsulfuron	ND	0.10	µg/g	1.0	8/31/04	9/1/04

Test Name: Organochlorine Pesticides **Reference:** EPA 8081A

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
alpha-BHC	ND	0.040	µg/g	1.0	9/2/04	9/8/04
beta-BHC	ND	0.040	µg/g	1.0	9/2/04	9/8/04
Lindane	ND	0.040	µg/g	1.0	9/2/04	9/8/04
delta-BHC	ND	0.040	µg/g	1.0	9/2/04	9/8/04
Heptachlor	ND	0.040	µg/g	1.0	9/2/04	9/8/04
Aldrin	ND	0.040	µg/g	1.0	9/2/04	9/8/04
Heptachlor Epoxide	ND	0.040	µg/g	1.0	9/2/04	9/8/04
Endosulfan I	ND	0.040	µg/g	1.0	9/2/04	9/8/04
Dieldrin	ND	0.040	µg/g	1.0	9/2/04	9/8/04
4,4'-DDE	ND	0.040	µg/g	1.0	9/2/04	9/8/04
Endrin	ND	0.040	µg/g	1.0	9/2/04	9/8/04
Endosulfan II	ND	0.040	µg/g	1.0	9/2/04	9/8/04
4,4'-DDD	ND	0.040	µg/g	1.0	9/2/04	9/8/04
Endrin Aldehyde	ND	0.040	µg/g	1.0	9/2/04	9/8/04
Endosulfan sulfate	ND	0.040	µg/g	1.0	9/2/04	9/8/04
4,4'-DDT	ND	0.040	µg/g	1.0	9/2/04	9/8/04
Methoxychlor	ND	0.040	µg/g	1.0	9/2/04	9/8/04
Chlordane	ND	2.0	µg/g	1.0	9/2/04	9/8/04
Toxaphene	ND	20	µg/g	1.0	9/2/04	9/8/04
Surrogate: Chloroneb	190	27-160	% Rec	1.0	9/2/04	9/8/04

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ANALYTICAL REPORT

Date: 13-Sep-04
WorkOrder: 0408484

Test Name: Organophosphorous Pesticides — **Reference:** EPA 8141A

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Dichlorvos	ND	0.50	µg/g	1.0	8/27/04	9/2/04
Mevinphos	ND	1.0	µg/g	1.0	8/27/04	9/2/04
Ethoprophos	ND	1.0	µg/g	1.0	8/27/04	9/2/04
Phorate	ND	1.0	µg/g	1.0	8/27/04	9/2/04
Demeton-S	ND	2.0	µg/g	1.0	8/27/04	9/2/04
Diazinon	ND	0.50	µg/g	1.0	8/27/04	9/2/04
Disulfoton	ND	0.50	µg/g	1.0	8/27/04	9/2/04
Dimethoate	ND	2.0	µg/g	1.0	8/27/04	9/2/04
Ronnel	ND	0.50	µg/g	1.0	8/27/04	9/2/04
Methyl Parathion	ND	0.50	µg/g	1.0	8/27/04	9/2/04
Chlorpyrifos	ND	0.50	µg/g	1.0	8/27/04	9/2/04
Malathion	ND	0.50	µg/g	1.0	8/27/04	9/2/04
Parathion	ND	0.50	µg/g	1.0	8/27/04	9/2/04
Fenthion	ND	0.50	µg/g	1.0	8/27/04	9/2/04
Tetrachlorvinphos	ND	0.50	µg/g	1.0	8/27/04	9/2/04
Ethion	ND	0.50	µg/g	1.0	8/27/04	9/2/04
Fensulfothion	ND	1.0	µg/g	1.0	8/27/04	9/2/04
Azinphos	ND	2.5	µg/g	1.0	8/27/04	9/2/04
Coumaphos	ND	2.5	µg/g	1.0	8/27/04	9/2/04
Surrogate: Triphenylphosphate	73.9	29.9-137	% Rec	1.0	8/27/04	9/2/04

Test Name: Oryzalin (surflan) — **Reference:** EPA 632 Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Oryzalin(Surflan)	ND	1.0	µg/g	1.0	8/26/04	8/31/04

Test Name: Triazine Pesticides — **Reference:** EPA 619 Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Atraton	ND	1.0	µg/g	1.0	8/27/04	9/2/04
Simazine	ND	1.0	µg/g	1.0	8/27/04	9/2/04
Prometon	ND	1.0	µg/g	1.0	8/27/04	9/2/04
Atrazine	ND	1.0	µg/g	1.0	8/27/04	9/2/04
Propazine	ND	1.0	µg/g	1.0	8/27/04	9/2/04
Simetryn	ND	1.0	µg/g	1.0	8/27/04	9/2/04
Ametryn	ND	1.0	µg/g	1.0	8/27/04	9/2/04
Prometryn	ND	1.0	µg/g	1.0	8/27/04	9/2/04
Terbutryn	ND	1.0	µg/g	1.0	8/27/04	9/2/04
Surrogate: Triphenylphosphate	139	28.4-149	% Rec	1.0	8/27/04	9/2/04

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Date: 13-Sep-04
WorkOrder: 0408484

ANALYTICAL REPORT

Client Sample ID: D-1 Received: 8/20/04 Collected: 8/18/04 17:05
Lab ID: 0408484-06A

Test Name: Carbamate and Urea Pesticides Reference: EPA 632 Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Carbaryl	ND	0.50	µg/g	1.0	8/26/04	8/31/04
Diuron	ND	0.20	µg/g	1.0	8/26/04	8/31/04
Surrogate: Simazine	81.0	52.3-119	% Rec	1.0	8/26/04	8/31/04

Test Name: Chlorinated Herbicides Reference: EPA 8151A

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Dalapon	ND	10	µg/g	1.0	8/25/04	9/1/04
Dicamba	ND	2.0	µg/g	1.0	8/25/04	9/1/04
Dichlorprop	ND	10	µg/g	1.0	8/25/04	9/1/04
2,4-D	ND	10	µg/g	1.0	8/25/04	9/1/04
2,4,5-TP	ND	1.0	µg/g	1.0	8/25/04	9/1/04
2,4,5-T	ND	1.0	µg/g	1.0	8/25/04	9/1/04
2,4-DB	ND	10	µg/g	1.0	8/25/04	9/1/04
Dinoseb	ND	2.0	µg/g	1.0	8/25/04	9/1/04
Surrogate: 2,3-D	16.9	44.2-99.9	% Rec	1.0	8/25/04	9/1/04

Test Name: Chlorsulfuron Reference: EPA 632 Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Chlorsulfuron	ND	0.10	µg/g	1.0	8/31/04	9/1/04

Test Name: Organochlorine Pesticides Reference: EPA 8081A

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
alpha-BHC	ND	0.020	µg/g	1.0	8/30/04	9/8/04
beta-BHC	ND	0.020	µg/g	1.0	8/30/04	9/8/04
Lindane	ND	0.020	µg/g	1.0	8/30/04	9/8/04
delta-BHC	ND	0.020	µg/g	1.0	8/30/04	9/8/04
Heptachlor	ND	0.020	µg/g	1.0	8/30/04	9/8/04
Aldrin	ND	0.020	µg/g	1.0	8/30/04	9/8/04
Heptachlor Epoxide	ND	0.020	µg/g	1.0	8/30/04	9/8/04
Endosulfan I	ND	0.020	µg/g	1.0	8/30/04	9/8/04
Dieldrin	ND	0.020	µg/g	1.0	8/30/04	9/8/04
4,4'-DDE	ND	0.020	µg/g	1.0	8/30/04	9/8/04
Endrin	ND	0.020	µg/g	1.0	8/30/04	9/8/04
Endosulfan II	ND	0.020	µg/g	1.0	8/30/04	9/8/04
4,4'-DDD	ND	0.020	µg/g	1.0	8/30/04	9/8/04
Endrin Aldehyde	ND	0.020	µg/g	1.0	8/30/04	9/8/04
Endosulfan sulfate	ND	0.020	µg/g	1.0	8/30/04	9/8/04
4,4'-DDT	ND	0.020	µg/g	1.0	8/30/04	9/8/04
Methoxychlor	ND	0.020	µg/g	1.0	8/30/04	9/8/04
Chlordane	ND	1.0	µg/g	1.0	8/30/04	9/8/04
Toxaphene	ND	10	µg/g	1.0	8/30/04	9/8/04
Surrogate: Chloroneb	135	27-160	% Rec	1.0	8/30/04	9/8/04

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Date: 13-Sep-04

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WorkOrder: 0408484

Test Name: Organophosphorous Pesticides

Reference: EPA 8141A

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Dichlorvos	ND	0.50	µg/g	1.0	8/25/04	8/28/04
Mevinphos	ND	1.0	µg/g	1.0	8/25/04	8/28/04
Ethoprophos	ND	1.0	µg/g	1.0	8/25/04	8/28/04
Phorate	ND	1.0	µg/g	1.0	8/25/04	8/28/04
Demeton-S	ND	2.0	µg/g	1.0	8/25/04	8/28/04
Diazinon	ND	0.50	µg/g	1.0	8/25/04	8/28/04
Disulfoton	ND	0.50	µg/g	1.0	8/25/04	8/28/04
Dimethoate	ND	2.0	µg/g	1.0	8/25/04	8/28/04
Ronnel	ND	0.50	µg/g	1.0	8/25/04	8/28/04
Methyl Parathion	ND	0.50	µg/g	1.0	8/25/04	8/28/04
Chlorpyrifos	ND	0.50	µg/g	1.0	8/25/04	8/28/04
Malathion	ND	0.50	µg/g	1.0	8/25/04	8/28/04
Parathion	ND	0.50	µg/g	1.0	8/25/04	8/28/04
Fenthion	ND	0.50	µg/g	1.0	8/25/04	8/28/04
Tetrachlorvinphos	ND	0.50	µg/g	1.0	8/25/04	8/28/04
Ethion	ND	0.50	µg/g	1.0	8/25/04	8/28/04
Fensulfothion	ND	1.0	µg/g	1.0	8/25/04	8/28/04
Azinphos	ND	2.5	µg/g	1.0	8/25/04	8/28/04
Coumaphos	ND	2.5	µg/g	1.0	8/25/04	8/28/04
Surrogate: Triphenylphosphate	77.8	29.9-137	% Rec	1.0	8/25/04	8/28/04

Test Name: Oryzalin (surflan)

Reference: EPA 632 Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Oryzalin(Surflan)	ND	1.0	µg/g	1.0	8/26/04	8/31/04

Test Name: Triazine Pesticides

Reference: EPA 619 Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Atraton	ND	1.0	µg/g	1.0	8/27/04	9/2/04
Simazine	ND	1.0	µg/g	1.0	8/27/04	9/2/04
Prometon	ND	1.0	µg/g	1.0	8/27/04	9/2/04
Atrazine	ND	1.0	µg/g	1.0	8/27/04	9/2/04
Propazine	ND	1.0	µg/g	1.0	8/27/04	9/2/04
Simetryn	ND	1.0	µg/g	1.0	8/27/04	9/2/04
Ametryn	ND	1.0	µg/g	1.0	8/27/04	9/2/04
Prometryn	ND	1.0	µg/g	1.0	8/27/04	9/2/04
Terbutryn	ND	1.0	µg/g	1.0	8/27/04	9/2/04
Surrogate: Triphenylphosphate	142	28.4-149	% Rec	1.0	8/27/04	9/2/04

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Date: 13-Sep-04
WorkOrder: 0408484

ANALYTICAL REPORT

Client Sample ID: D-2 Received: 8/20/04 Collected: 8/18/04 17:15
Lab ID: 0408484-07A

Test Name: Carbamate and Urea Pesticides Reference: EPA 632 Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Carbaryl	ND	5.0	µg/g	10	8/26/04	8/31/04
Diuron	ND	2.0	µg/g	10	8/26/04	8/31/04
Surrogate: Simazine	65.5	52.3-119	% Rec	10	8/26/04	8/31/04

Test Name: Chlorinated Herbicides Reference: EPA 8151A

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Dalapon	ND	10	µg/g	1.0	8/25/04	9/1/04
Dicamba	ND	2.0	µg/g	1.0	8/25/04	9/1/04
Dichlorprop	ND	10	µg/g	1.0	8/25/04	9/1/04
2,4-D	ND	10	µg/g	1.0	8/25/04	9/1/04
2,4,5-TP	ND	1.0	µg/g	1.0	8/25/04	9/1/04
2,4,5-T	ND	1.0	µg/g	1.0	8/25/04	9/1/04
2,4-DB	ND	10	µg/g	1.0	8/25/04	9/1/04
Dinoseb	ND	2.0	µg/g	1.0	8/25/04	9/1/04
Surrogate: 2,3-D	18.4	44.2-99.9	% Rec	1.0	8/25/04	9/1/04

Test Name: Chlorsulfuron Reference: EPA 632 Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Chlorsulfuron	ND	0.10	µg/g	1.0	8/31/04	9/1/04

Test Name: Organochlorine Pesticides Reference: EPA 8081A

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
alpha-BHC	ND	0.40	µg/g	20	8/30/04	9/8/04
beta-BHC	ND	0.40	µg/g	20	8/30/04	9/8/04
Lindane	ND	0.40	µg/g	20	8/30/04	9/8/04
delta-BHC	ND	0.40	µg/g	20	8/30/04	9/8/04
Heptachlor	ND	0.40	µg/g	20	8/30/04	9/8/04
Aldrin	ND	0.40	µg/g	20	8/30/04	9/8/04
Heptachlor Epoxide	ND	0.40	µg/g	20	8/30/04	9/8/04
Endosulfan I	ND	0.40	µg/g	20	8/30/04	9/8/04
Dieldrin	ND	0.40	µg/g	20	8/30/04	9/8/04
4,4'-DDE	ND	0.40	µg/g	20	8/30/04	9/8/04
Endrin	ND	0.40	µg/g	20	8/30/04	9/8/04
Endosulfan II	ND	0.40	µg/g	20	8/30/04	9/8/04
4,4'-DDD	ND	0.40	µg/g	20	8/30/04	9/8/04
Endrin Aldehyde	ND	0.40	µg/g	20	8/30/04	9/8/04
Endosulfan sulfate	ND	0.40	µg/g	20	8/30/04	9/8/04
4,4'-DDT	ND	0.40	µg/g	20	8/30/04	9/8/04
Methoxychlor	ND	0.40	µg/g	20	8/30/04	9/8/04
Chlordane	ND	20	µg/g	20	8/30/04	9/8/04
Toxaphene	ND	200	µg/g	20	8/30/04	9/8/04
Surrogate: Chloroneb	NQ	27-160	% Rec	20	8/30/04	9/8/04

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Date: 13-Sep-04

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WorkOrder: 0408484

Test Name: Organophosphorous Pesticides

Reference: EPA 8141A

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Dichlorvos	ND	0.50	µg/g	1.0	8/25/04	8/28/04
Mevinphos	ND	1.0	µg/g	1.0	8/25/04	8/28/04
Ethoprophos	ND	1.0	µg/g	1.0	8/25/04	8/28/04
Phorate	ND	1.0	µg/g	1.0	8/25/04	8/28/04
Demeton-S	ND	2.0	µg/g	1.0	8/25/04	8/28/04
Diazinon	ND	0.50	µg/g	1.0	8/25/04	8/28/04
Disulfoton	ND	0.50	µg/g	1.0	8/25/04	8/28/04
Dimethoate	ND	2.0	µg/g	1.0	8/25/04	8/28/04
Ronnel	ND	0.50	µg/g	1.0	8/25/04	8/28/04
Methyl Parathion	ND	0.50	µg/g	1.0	8/25/04	8/28/04
Chlorpyrifos	ND	0.50	µg/g	1.0	8/25/04	8/28/04
Malathion	ND	0.50	µg/g	1.0	8/25/04	8/28/04
Parathion	ND	0.50	µg/g	1.0	8/25/04	8/28/04
Fenthion	ND	0.50	µg/g	1.0	8/25/04	8/28/04
Tetrachlorvinphos	ND	0.50	µg/g	1.0	8/25/04	8/28/04
Ethion	ND	0.50	µg/g	1.0	8/25/04	8/28/04
Fensulfothion	ND	1.0	µg/g	1.0	8/25/04	8/28/04
Azinphos	ND	2.5	µg/g	1.0	8/25/04	8/28/04
Coumaphos	ND	2.5	µg/g	1.0	8/25/04	8/28/04
Surrogate: Triphenylphosphate	79.4	29.9-137	% Rec	1.0	8/25/04	8/28/04

Test Name: Oryzalin (surflan)

Reference: EPA 632 Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Oryzalin(Surflan)	ND	1.0	µg/g	1.0	8/26/04	8/31/04

Test Name: Triazine Pesticides

Reference: EPA 619 Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Atraton	ND	1.0	µg/g	1.0	8/27/04	9/2/04
Simazine	ND	1.0	µg/g	1.0	8/27/04	9/2/04
Prometon	ND	1.0	µg/g	1.0	8/27/04	9/2/04
Atrazine	ND	1.0	µg/g	1.0	8/27/04	9/2/04
Propazine	ND	1.0	µg/g	1.0	8/27/04	9/2/04
Simetryn	ND	1.0	µg/g	1.0	8/27/04	9/2/04
Ametryn	ND	1.0	µg/g	1.0	8/27/04	9/2/04
Prometryn	ND	1.0	µg/g	1.0	8/27/04	9/2/04
Terbutryn	ND	1.0	µg/g	1.0	8/27/04	9/2/04
Surrogate: Triphenylphosphate	138	28.4-149	% Rec	1.0	8/27/04	9/2/04

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Date: 13-Sep-04
WorkOrder: 0408484

ANALYTICAL REPORT

Client Sample ID: D-3 Received: 8/20/04 Collected: 8/18/04 17:20
Lab ID: 0408484-08A

Test Name: Carbamate and Urea Pesticides Reference: EPA 632 Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Carbaryl	ND	5.0	µg/g	10	8/26/04	8/31/04
Diuron	ND	2.0	µg/g	10	8/26/04	8/31/04
Surrogate: Simazine	66.3	52.3-119	% Rec	10	8/26/04	8/31/04

Test Name: Chlorinated Herbicides Reference: EPA 8151A

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Dalapon	ND	10	µg/g	1.0	8/25/04	9/1/04
Dicamba	ND	2.0	µg/g	1.0	8/25/04	9/1/04
Dichlorprop	ND	10	µg/g	1.0	8/25/04	9/1/04
2,4-D	ND	10	µg/g	1.0	8/25/04	9/1/04
2,4,5-TP	ND	1.0	µg/g	1.0	8/25/04	9/1/04
2,4,5-T	ND	1.0	µg/g	1.0	8/25/04	9/1/04
2,4-DB	ND	10	µg/g	1.0	8/25/04	9/1/04
Dinoseb	ND	2.0	µg/g	1.0	8/25/04	9/1/04
Surrogate: 2,3-D	16.0	44.2-99.9	% Rec	1.0	8/25/04	9/1/04

Test Name: Chlorsulfuron Reference: EPA 632 Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Chlorsulfuron	ND	0.10	µg/g	1.0	8/31/04	9/1/04

Test Name: Organochlorine Pesticides Reference: EPA 8081A

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
alpha-BHC	ND	0.040	µg/g	1.0	8/30/04	9/8/04
beta-BHC	ND	0.040	µg/g	1.0	8/30/04	9/8/04
Lindane	ND	0.040	µg/g	1.0	8/30/04	9/8/04
delta-BHC	ND	0.040	µg/g	1.0	8/30/04	9/8/04
Heptachlor	ND	0.040	µg/g	1.0	8/30/04	9/8/04
Aldrin	ND	0.040	µg/g	1.0	8/30/04	9/8/04
Heptachlor Epoxide	ND	0.040	µg/g	1.0	8/30/04	9/8/04
Endosulfan I	ND	0.040	µg/g	1.0	8/30/04	9/8/04
Dieldrin	ND	0.040	µg/g	1.0	8/30/04	9/8/04
4,4'-DDE	ND	0.040	µg/g	1.0	8/30/04	9/8/04
Endrin	ND	0.040	µg/g	1.0	8/30/04	9/8/04
Endosulfan II	ND	0.040	µg/g	1.0	8/30/04	9/8/04
4,4'-DDD	ND	0.040	µg/g	1.0	8/30/04	9/8/04
Endrin Aldehyde	ND	0.040	µg/g	1.0	8/30/04	9/8/04
Endosulfan sulfate	ND	0.040	µg/g	1.0	8/30/04	9/8/04
4,4'-DDT	ND	0.040	µg/g	1.0	8/30/04	9/8/04
Methoxychlor	ND	0.040	µg/g	1.0	8/30/04	9/8/04
Chlordane	ND	2.0	µg/g	1.0	8/30/04	9/8/04
Toxaphene	ND	20	µg/g	1.0	8/30/04	9/8/04
Surrogate: Chloroneb	65.0	27-160	% Rec	1.0	8/30/04	9/8/04

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Date: 13-Sep-04

WorkOrder: 0408484

Test Name: Organophosphorous Pesticides

Reference: EPA 8141A

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Dichlorvos	ND	0.50	µg/g	1.0	8/25/04	8/28/04
Mevinphos	ND	1.0	µg/g	1.0	8/25/04	8/28/04
Ethoprophos	ND	1.0	µg/g	1.0	8/25/04	8/28/04
Phorate	ND	1.0	µg/g	1.0	8/25/04	8/28/04
Demeton-S	ND	2.0	µg/g	1.0	8/25/04	8/28/04
Diazinon	ND	0.50	µg/g	1.0	8/25/04	8/28/04
Disulfoton	ND	0.50	µg/g	1.0	8/25/04	8/28/04
Dimethoate	ND	2.0	µg/g	1.0	8/25/04	8/28/04
Ronnel	ND	0.50	µg/g	1.0	8/25/04	8/28/04
Methyl Parathion	ND	0.50	µg/g	1.0	8/25/04	8/28/04
Chlorpyrifos	ND	0.50	µg/g	1.0	8/25/04	8/28/04
Malathion	ND	0.50	µg/g	1.0	8/25/04	8/28/04
Parathion	ND	0.50	µg/g	1.0	8/25/04	8/28/04
Fenthion	ND	0.50	µg/g	1.0	8/25/04	8/28/04
Tetrachlorvinphos	ND	0.50	µg/g	1.0	8/25/04	8/28/04
Ethion	ND	0.50	µg/g	1.0	8/25/04	8/28/04
Fensulfothion	ND	1.0	µg/g	1.0	8/25/04	8/28/04
Azinphos	ND	2.5	µg/g	1.0	8/25/04	8/28/04
Coumaphos	ND	2.5	µg/g	1.0	8/25/04	8/28/04
Surrogate: Triphenylphosphate	78.3	29.9-137	% Rec	1.0	8/25/04	8/28/04

Test Name: Oryzalin (surflan)

Reference: EPA 632 Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Oryzalin(Surflan)	ND	1.0	µg/g	1.0	8/26/04	8/31/04

Test Name: Triazine Pesticides

Reference: EPA 619 Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Atraton	ND	1.0	µg/g	1.0	8/27/04	9/2/04
Simazine	ND	1.0	µg/g	1.0	8/27/04	9/2/04
Prometon	ND	1.0	µg/g	1.0	8/27/04	9/2/04
Atrazine	ND	1.0	µg/g	1.0	8/27/04	9/2/04
Propazine	ND	1.0	µg/g	1.0	8/27/04	9/2/04
Simetryn	ND	1.0	µg/g	1.0	8/27/04	9/2/04
Ametryn	ND	1.0	µg/g	1.0	8/27/04	9/2/04
Prometryn	ND	1.0	µg/g	1.0	8/27/04	9/2/04
Terbutryn	ND	1.0	µg/g	1.0	8/27/04	9/2/04
Surrogate: Triphenylphosphate	148	28.4-149	% Rec	1.0	8/27/04	9/2/04

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Date: 13-Sep-04
WorkOrder: 0408484

ANALYTICAL REPORT

Client Sample ID: D-4 Received: 8/20/04 Collected: 8/18/04 17:35
Lab ID: 0408484-09A

Test Name: Carbamate and Urea Pesticides Reference: EPA 632 Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Carbaryl	ND	0.50	µg/g	1.0	8/26/04	8/31/04
Diuron	ND	0.20	µg/g	1.0	8/26/04	8/31/04
Surrogate: Simazine	80.6	52.3-119	% Rec	1.0	8/26/04	8/31/04

Test Name: Chlorinated Herbicides Reference: EPA 8151A

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Dalapon	ND	10	µg/g	1.0	8/25/04	9/1/04
Dicamba	ND	2.0	µg/g	1.0	8/25/04	9/1/04
Dichlorprop	ND	10	µg/g	1.0	8/25/04	9/1/04
2,4-D	ND	10	µg/g	1.0	8/25/04	9/1/04
2,4,5-TP	ND	1.0	µg/g	1.0	8/25/04	9/1/04
2,4,5-T	ND	1.0	µg/g	1.0	8/25/04	9/1/04
2,4-DB	ND	10	µg/g	1.0	8/25/04	9/1/04
Dinoseb	ND	2.0	µg/g	1.0	8/25/04	9/1/04
Surrogate: 2,3-D	8.59	44.2-99.9	% Rec	1.0	8/25/04	9/1/04

Test Name: Chlorsulfuron Reference: EPA 632 Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Chlorsulfuron	ND	0.10	µg/g	1.0	8/31/04	9/1/04

Test Name: Organochlorine Pesticides Reference: EPA 8081A

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
alpha-BHC	ND	0.040	µg/g	1.0	8/30/04	9/8/04
beta-BHC	ND	0.040	µg/g	1.0	8/30/04	9/8/04
Lindane	ND	0.040	µg/g	1.0	8/30/04	9/8/04
delta-BHC	ND	0.040	µg/g	1.0	8/30/04	9/8/04
Heptachlor	ND	0.040	µg/g	1.0	8/30/04	9/8/04
Aldrin	ND	0.040	µg/g	1.0	8/30/04	9/8/04
Heptachlor Epoxide	ND	0.040	µg/g	1.0	8/30/04	9/8/04
Endosulfan I	ND	0.040	µg/g	1.0	8/30/04	9/8/04
Dieldrin	ND	0.040	µg/g	1.0	8/30/04	9/8/04
4,4'-DDE	ND	0.040	µg/g	1.0	8/30/04	9/8/04
Endrin	ND	0.040	µg/g	1.0	8/30/04	9/8/04
Endosulfan II	ND	0.040	µg/g	1.0	8/30/04	9/8/04
4,4'-DDD	ND	0.040	µg/g	1.0	8/30/04	9/8/04
Endrin Aldehyde	ND	0.040	µg/g	1.0	8/30/04	9/8/04
Endosulfan sulfate	ND	0.040	µg/g	1.0	8/30/04	9/8/04
4,4'-DDT	ND	0.040	µg/g	1.0	8/30/04	9/8/04
Methoxychlor	ND	0.040	µg/g	1.0	8/30/04	9/8/04
Chlordane	ND	2.0	µg/g	1.0	8/30/04	9/8/04
Toxaphene	ND	20	µg/g	1.0	8/30/04	9/8/04
Surrogate: Chloroneb	126	27-160	% Rec	1.0	8/30/04	9/8/04

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Date: 13-Sep-04

ANALYTICAL REPORT

WorkOrder: 0408484

Test Name: Organophosphorous Pesticides

Reference: EPA 8141A

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Dichlorvos	ND	0.50	µg/g	1.0	8/25/04	8/28/04
Mevinphos	ND	1.0	µg/g	1.0	8/25/04	8/28/04
Ethoprophos	ND	1.0	µg/g	1.0	8/25/04	8/28/04
Phorate	ND	1.0	µg/g	1.0	8/25/04	8/28/04
Demeton-S	ND	2.0	µg/g	1.0	8/25/04	8/28/04
Diazinon	ND	0.50	µg/g	1.0	8/25/04	8/28/04
Disulfoton	ND	0.50	µg/g	1.0	8/25/04	8/28/04
Dimethoate	ND	2.0	µg/g	1.0	8/25/04	8/28/04
Ronnel	ND	0.50	µg/g	1.0	8/25/04	8/28/04
Methyl Parathion	ND	0.50	µg/g	1.0	8/25/04	8/28/04
Chlorpyrifos	ND	0.50	µg/g	1.0	8/25/04	8/28/04
Malathion	ND	0.50	µg/g	1.0	8/25/04	8/28/04
Parathion	ND	0.50	µg/g	1.0	8/25/04	8/28/04
Fenthion	ND	0.50	µg/g	1.0	8/25/04	8/28/04
Tetrachlorvinphos	ND	0.50	µg/g	1.0	8/25/04	8/28/04
Ethion	ND	0.50	µg/g	1.0	8/25/04	8/28/04
Fensulfothion	ND	1.0	µg/g	1.0	8/25/04	8/28/04
Azinphos	ND	2.5	µg/g	1.0	8/25/04	8/28/04
Coumaphos	ND	2.5	µg/g	1.0	8/25/04	8/28/04
Surrogate: Triphenylphosphate	80.0	29.9-137	% Rec	1.0	8/25/04	8/28/04

Test Name: Oryzalin (surflan)

Reference: EPA 632 Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Oryzalin(Surflan)	ND	1.0	µg/g	1.0	8/26/04	8/31/04

Test Name: Triazine Pesticides

Reference: EPA 619 Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Atraton	ND	1.0	µg/g	1.0	8/27/04	9/3/04
Simazine	ND	1.0	µg/g	1.0	8/27/04	9/3/04
Prometon	ND	1.0	µg/g	1.0	8/27/04	9/3/04
Atrazine	ND	1.0	µg/g	1.0	8/27/04	9/3/04
Propazine	ND	1.0	µg/g	1.0	8/27/04	9/3/04
Simetryn	ND	1.0	µg/g	1.0	8/27/04	9/3/04
Ametryn	ND	1.0	µg/g	1.0	8/27/04	9/3/04
Prometryn	ND	1.0	µg/g	1.0	8/27/04	9/3/04
Terbutryn	ND	1.0	µg/g	1.0	8/27/04	9/3/04
Surrogate: Triphenylphosphate	145	28.4-149	% Rec	1.0	8/27/04	9/3/04

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Date: 13-Sep-04
WorkOrder: 0408484

ANALYTICAL REPORT

Client Sample ID: D-5 Received: 8/20/04 Collected: 8/18/04 17:30
Lab ID: 0408484-10A

Test Name: Carbamate and Urea Pesticides Reference: EPA 632 Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Carbaryl	ND	5.0	µg/g	10	8/26/04	8/31/04
Diuron	ND	2.0	µg/g	10	8/26/04	8/31/04
Surrogate: Simazine	80.5	52.3-119	% Rec	10	8/26/04	8/31/04

Test Name: Chlorinated Herbicides Reference: EPA 8151A

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Dalapon	ND	10	µg/g	1.0	8/25/04	9/1/04
Dicamba	ND	2.0	µg/g	1.0	8/25/04	9/1/04
Dichlorprop	ND	10	µg/g	1.0	8/25/04	9/1/04
2,4-D	ND	10	µg/g	1.0	8/25/04	9/1/04
2,4,5-TP	ND	1.0	µg/g	1.0	8/25/04	9/1/04
2,4,5-T	ND	1.0	µg/g	1.0	8/25/04	9/1/04
2,4-DB	ND	10	µg/g	1.0	8/25/04	9/1/04
Dinoseb	ND	2.0	µg/g	1.0	8/25/04	9/1/04
Surrogate: 2,3-D	11.6	44.2-99.9	% Rec	1.0	8/25/04	9/1/04

Test Name: Chlorsulfuron Reference: EPA 632 Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Chlorsulfuron	ND	0.10	µg/g	1.0	8/31/04	9/1/04

Test Name: Organochlorine Pesticides Reference: EPA 8081A

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
alpha-BHC	ND	0.40	µg/g	20	8/30/04	9/8/04
beta-BHC	ND	0.40	µg/g	20	8/30/04	9/8/04
Lindane	ND	0.40	µg/g	20	8/30/04	9/8/04
delta-BHC	ND	0.40	µg/g	20	8/30/04	9/8/04
Heptachlor	ND	0.40	µg/g	20	8/30/04	9/8/04
Aldrin	ND	0.40	µg/g	20	8/30/04	9/8/04
Heptachlor Epoxide	ND	0.40	µg/g	20	8/30/04	9/8/04
Endosulfan I	ND	0.40	µg/g	20	8/30/04	9/8/04
Dieldrin	ND	0.40	µg/g	20	8/30/04	9/8/04
4,4'-DDE	ND	0.40	µg/g	20	8/30/04	9/8/04
Endrin	ND	0.40	µg/g	20	8/30/04	9/8/04
Endosulfan II	ND	0.40	µg/g	20	8/30/04	9/8/04
4,4'-DDD	ND	0.40	µg/g	20	8/30/04	9/8/04
Endrin Aldehyde	ND	0.40	µg/g	20	8/30/04	9/8/04
Endosulfan sulfate	ND	0.40	µg/g	20	8/30/04	9/8/04
4,4'-DDT	ND	0.40	µg/g	20	8/30/04	9/8/04
Methoxychlor	ND	0.40	µg/g	20	8/30/04	9/8/04
Chlordane	ND	20	µg/g	20	8/30/04	9/8/04
Toxaphene	ND	200	µg/g	20	8/30/04	9/8/04
Surrogate: Chloroneb	NQ	27-160	% Rec	20	8/30/04	9/8/04

NORTH COAST LABORATORIES
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Date: 13-Sep-04

ANALYTICAL REPORT

WorkOrder: 0408484

Test Name: Organophosphorous Pesticides Reference: EPA 8141A

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Dichlorvos	ND	0.50	µg/g	1.0	8/25/04	8/28/04
Mevinphos	ND	1.0	µg/g	1.0	8/25/04	8/28/04
Ethoprophos	ND	1.0	µg/g	1.0	8/25/04	8/28/04
Phorate	ND	1.0	µg/g	1.0	8/25/04	8/28/04
Demeton-S	ND	2.0	µg/g	1.0	8/25/04	8/28/04
Diazinon	ND	0.50	µg/g	1.0	8/25/04	8/28/04
Disulfoton	ND	0.50	µg/g	1.0	8/25/04	8/28/04
Dimethoate	ND	2.0	µg/g	1.0	8/25/04	8/28/04
Ronnel	ND	0.50	µg/g	1.0	8/25/04	8/28/04
Methyl Parathion	ND	0.50	µg/g	1.0	8/25/04	8/28/04
Chlorpyrifos	ND	0.50	µg/g	1.0	8/25/04	8/28/04
Malathion	ND	0.50	µg/g	1.0	8/25/04	8/28/04
Parathion	ND	0.50	µg/g	1.0	8/25/04	8/28/04
Fenthion	ND	0.50	µg/g	1.0	8/25/04	8/28/04
Tetrachlorvinphos	ND	0.50	µg/g	1.0	8/25/04	8/28/04
Ethion	ND	0.50	µg/g	1.0	8/25/04	8/28/04
Fensulfothion	ND	1.0	µg/g	1.0	8/25/04	8/28/04
Azinphos	ND	2.5	µg/g	1.0	8/25/04	8/28/04
Coumaphos	ND	2.5	µg/g	1.0	8/25/04	8/28/04
Surrogate: Triphenylphosphate	57.7	29.9-137	% Rec	1.0	8/25/04	8/28/04

Test Name: Oryzalin (surflan) Reference: EPA 632 Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Oryzalin(Surflan)	ND	1.0	µg/g	1.0	8/26/04	8/31/04

Test Name: Triazine Pesticides Reference: EPA 619 Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Atraton	ND	1.0	µg/g	1.0	8/27/04	9/3/04
Simazine	ND	1.0	µg/g	1.0	8/27/04	9/3/04
Prometon	ND	1.0	µg/g	1.0	8/27/04	9/3/04
Atrazine	ND	1.0	µg/g	1.0	8/27/04	9/3/04
Propazine	ND	1.0	µg/g	1.0	8/27/04	9/3/04
Simetryn	ND	1.0	µg/g	1.0	8/27/04	9/3/04
Ametryn	ND	1.0	µg/g	1.0	8/27/04	9/3/04
Prometryn	ND	1.0	µg/g	1.0	8/27/04	9/3/04
Terbutryn	ND	1.0	µg/g	1.0	8/27/04	9/3/04
Surrogate: Triphenylphosphate	139	28.4-149	% Rec	1.0	8/27/04	9/3/04

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North Coast Laboratories, Ltd.

Date: 13-Sep-04

CLIENT: EBA Engineering
Work Order: 0408484
Project: 03-1050, Tolay Lake Property

QC SUMMARY REPORT
Method Blank

Sample ID: **MB-12002** Batch ID: **12002** Test Code: **619S** Units: **µg/g** Analysis Date: **9/2/04 4:03:45 PM** Prep Date: **8/27/04**
Client ID: Run ID: **ORGC10_040902A** SeqNo: **446933**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Atraton	ND	1.0									
Simazine	ND	1.0									
Prometon	ND	1.0									
Atrazine	ND	1.0									
Propazine	ND	1.0									
Simetryn	ND	1.0									
Ametryn	0.1608	1.0									J
Prometryn	ND	1.0									
Terbutryn	ND	1.0									
Triphenylphosphate	1.16	0.10	1.00	0	116%	28	149	0			

Sample ID: **MB-11996** Batch ID: **11996** Test Code: **632S** Units: **µg/g** Analysis Date: **8/31/04 1:42:00 AM** Prep Date: **8/26/04**
Client ID: Run ID: **ORLC5_040830A** SeqNo: **446607**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Carbaryl	ND	0.50									
Diuron	ND	0.20									
Simazine	4.39	0.10	5.00	0	87.9%	52	119	0			

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: EBA Engineering
Work Order: 0408484
Project: 03-1050, Tolay Lake Property

QC SUMMARY REPORT
Method Blank

Sample ID: MB-12011 Batch ID: 12011 Test Code: 8081S Units: µg/g Analysis Date: 9/2/04 11:02:32 PM Prep Date: 8/30/04
Client ID: Run ID: ORGC4_040902A SeqNo: 448901

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
alpha-BHC	ND	0.020									
beta-BHC	ND	0.020									
Lindane	ND	0.020									
delta-BHC	ND	0.020									
Heptachlor	ND	0.020									
Aldrin	0.006778	0.020									J
Heptachlor Epoxide	ND	0.020									
Endosulfan I	ND	0.020									
Dieldrin	ND	0.020									
4,4'-DDE	ND	0.020									
Endrin	ND	0.020									
Endosulfan II	ND	0.020									
4,4'-DDD	ND	0.020									
Endrin Aldehyde	ND	0.020									
Endosulfan sulfate	ND	0.020									
4,4'-DDT	ND	0.020									
Methoxychlor	ND	0.020									
Chlordane	ND	1.0									J
Toxaphene	ND	10									J
Chloroneb	1.81	0.40	2.00	0	90.4%	27	160	0			

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: EBA Engineering
Work Order: 0408484
Project: 03-1050, Tolay Lake Property

QC SUMMARY REPORT
Method Blank

Sample ID: **MB-12047** Batch ID: **12047** Test Code: **8081S** Units: **µg/g** Analysis Date: **9/8/04 4:27:50 AM** Prep Date: **9/2/04**
Client ID: Run ID: **ORGC4_040902A** SeqNo: **448936**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
alpha-BHC	ND	0.020									
beta-BHC	ND	0.020									
Lindane	ND	0.020									
delta-BHC	ND	0.020									
Heptachlor	ND	0.020									
Aldrin	ND	0.020									
Heptachlor Epoxide	ND	0.020									
Endosulfan I	ND	0.020									
Dieldrin	ND	0.020									
4,4'-DDE	ND	0.020									
Endrin	ND	0.020									
Endosulfan II	ND	0.020									
4,4'-DDD	ND	0.020									
Endrin Aldehyde	ND	0.020									
Endosulfan sulfate	ND	0.020									
4,4'-DDT	ND	0.020									
Methoxychlor	ND	0.020									
Chlordane	ND	1.0									J
Toxaphene	ND	10									J
Chloroneb	1.27	0.40	2.00	0	63.7%	27	160	0			

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: EBA Engineering
Work Order: 0408484
Project: 03-1050, Tolay Lake Property

QC SUMMARY REPORT
Method Blank

Sample ID: MB-11988 Batch ID: 11988 Test Code: 8140S Units: µg/g Analysis Date: 8/28/04 11:50:28 AM Prep Date: 8/25/04
Client ID: Run ID: ORGC13_040827A SeqNo: 445609

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorvos	ND	0.50									
Mevinphos	ND	1.0									
Ethoprophos	ND	1.0									
Phorate	ND	1.0									
Demeton-S	ND	2.0									
Diazinon	ND	0.50									
Disulfoton	ND	0.50									
Dimethoate	ND	2.0									
Ronnel	ND	0.50									
Methyl Parathion	ND	0.50									
Chlorpyrifos	ND	0.50									
Malathion	ND	0.50									
Parathion	ND	0.50									
Fenthion	ND	0.50									
Tetrachlorvinphos	ND	0.50									
Ethion	ND	0.50									
Fensulfothion	ND	1.0									
Azinphos	ND	2.5									
Coumaphos	ND	2.5									
Triphenylphosphate	4.11	0.10	5.00	0	82.2%	30	137	0			

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: EBA Engineering
Work Order: 0408484
Project: 03-1050, Tolay Lake Property

QC SUMMARY REPORT
Method Blank

Sample ID: **MB-12003** Batch ID: **12003** Test Code: **8140S** Units: **µg/g** Analysis Date: **9/2/04 10:08:14 PM** Prep Date: **8/27/04**
Client ID: Run ID: **ORGC13_040902A** SeqNo: **446959**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorvos	ND	0.50									
Mevinphos	ND	1.0									
Ethoprophos	ND	1.0									
Phorate	0.1741	1.0									J
Demeton-S	ND	2.0									
Diazinon	ND	0.50									
Disulfoton	ND	0.50									
Dimethoate	ND	2.0									
Ronnel	ND	0.50									
Methyl Parathion	ND	0.50									
Chlorpyrifos	ND	0.50									
Malathion	ND	0.50									
Parathion	ND	0.50									
Fenthion	ND	0.50									
Tetrachlorvinphos	ND	0.50									
Ethion	ND	0.50									
Fensulfothion	ND	1.0									
Azinphos	ND	2.5									
Coumaphos	ND	2.5									
Triphenylphosphate	4.23	0.10	5.00	0	84.5%	30	137	0			

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: EBA Engineering
Work Order: 0408484
Project: 03-1050, Tolay Lake Property

QC SUMMARY REPORT
Method Blank

Sample ID: MB-11986 Batch ID: 11986 Test Code: 8150S Units: µg/g Analysis Date: 9/1/04 2:01:46 AM Prep Date: 8/25/04
Client ID: Run ID: ORGC4_040831A SeqNo: 446542

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dalapon	ND	1.0									
Dicamba	ND	0.20									
Dichlorprop	ND	1.0									
2,4-D	ND	1.0									
2,4,5-TP	ND	0.10									
2,4,5-T	ND	0.10									
2,4-DB	ND	1.0									
Dinoseb	ND	0.20									
2,3-D	3.01	0.10	5.00	0	60.3%	44	100	0			

Sample ID: MB-12025 Batch ID: 12025 Test Code: CHLORSU Units: µg/g Analysis Date: 9/1/04 4:42:26 PM Prep Date: 8/31/04
Client ID: Run ID: ORLC2_040901A SeqNo: 446752

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorsulfuron	ND	0.10									

Sample ID: MB-11995 Batch ID: 11995 Test Code: ORYZS Units: µg/g Analysis Date: 8/31/04 5:28:22 PM Prep Date: 8/26/04
Client ID: Run ID: ORLC2_040831A SeqNo: 446125

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Oryzalin(Surflan)	ND	1.0									

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

North Coast Laboratories, Ltd.

Date: 13-Sep-04

CLIENT: EBA Engineering
Work Order: 0408484
Project: 03-1050, Tolay Lake Property

QC SUMMARY REPORT
Laboratory Control Spike

Sample ID: **LCS-12002** Batch ID: **12002** Test Code: **619S** Units: **µg/g** Analysis Date: **9/2/04 4:44:38 PM** Prep Date: **8/27/04**
Client ID: Run ID: **ORGC10_040902A** SeqNo: **446934**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Atraton	3.465	1.0	5.00	0	69.3%	38	129	0			
Simazine	3.246	1.0	5.00	0	64.9%	12	131	0			
Prometon	3.365	1.0	5.00	0	67.3%	36	134	0			
Atrazine	3.844	1.0	5.00	0	76.9%	37	135	0			
Propazine	4.012	1.0	5.00	0	80.2%	42	130	0			
Simetryn	3.499	1.0	5.00	0	70.0%	41	133	0			
Ametryn	3.519	1.0	5.00	0	70.4%	41	134	0			
Prometryn	3.568	1.0	5.00	0	71.4%	41	132	0			
Terbutryn	3.582	1.0	5.00	0	71.6%	40	135	0			

Sample ID: **LCSD-12002** Batch ID: **12002** Test Code: **619S** Units: **µg/g** Analysis Date: **9/2/04 5:25:40 PM** Prep Date: **8/27/04**
Client ID: Run ID: **ORGC10_040902A** SeqNo: **446935**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Atraton	3.751	1.0	5.00	0	75.0%	38	129	3.46	7.95%	15	
Simazine	3.948	1.0	5.00	0	79.0%	12	131	3.25	19.5%	15	R
Prometon	3.600	1.0	5.00	0	72.0%	36	134	3.36	6.73%	15	
Atrazine	4.191	1.0	5.00	0	83.8%	37	135	3.84	8.65%	15	
Propazine	4.310	1.0	5.00	0	86.2%	42	130	4.01	7.18%	15	
Simetryn	3.715	1.0	5.00	0	74.3%	41	133	3.50	5.98%	15	
Ametryn	3.723	1.0	5.00	0	74.5%	41	134	3.52	5.65%	15	
Prometryn	3.780	1.0	5.00	0	75.6%	41	132	3.57	5.77%	15	
Terbutryn	3.726	1.0	5.00	0	74.5%	40	135	3.58	3.94%	15	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: EBA Engineering
Work Order: 0408484
Project: 03-1050, Tolay Lake Property

QC SUMMARY REPORT
Laboratory Control Spike

Sample ID: LCS-11996 Batch ID: 11996 Test Code: 632S Units: µg/g Analysis Date: 8/31/04 2:48:37 AM Prep Date: 8/26/04
Client ID: Run ID: ORLC5_040830A SeqNo: 446608

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Carbaryl	2.579	0.50	2.50	0	103%	80	108	0			
Diuron	0.8649	0.20	1.00	0	86.5%	74	105	0			
Simazine	4.56	0.10	5.00	0	91.1%	52	119	0			

Sample ID: LCSD-11996 Batch ID: 11996 Test Code: 632S Units: µg/g Analysis Date: 8/31/04 3:55:13 AM Prep Date: 8/26/04
Client ID: Run ID: ORLC5_040830A SeqNo: 446609

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Carbaryl	2.659	0.50	2.50	0	106%	80	108	2.58	3.05%	10	
Diuron	0.8447	0.20	1.00	0	84.5%	74	105	0.865	2.37%	10	
Simazine	4.53	0.10	5.00	0	90.5%	52	119	4.56	0.621%	10	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: EBA Engineering
Work Order: 0408484
Project: 03-1050, Tolay Lake Property

QC SUMMARY REPORT
Laboratory Control Spike

Sample ID: **LCS-12011** Batch ID: **12011** Test Code: **8081S** Units: **µg/g** Analysis Date: **9/2/04 11:47:34 PM** Prep Date: **8/30/04**
Client ID: Run ID: **ORGC4_040902A** SeqNo: **448902**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
alpha-BHC	0.08062	0.020	0.100	0	80.6%	56	119	0			
beta-BHC	0.1045	0.020	0.100	0	105%	63	112	0			
Lindane	0.07973	0.020	0.100	0	79.7%	56	118	0			
delta-BHC	0.09051	0.020	0.100	0	90.5%	63	115	0			
Heptachlor	0.1025	0.020	0.100	0	102%	59	120	0			
Aldrin	0.08577	0.020	0.100	0.00678	79.0%	44	109	0			
Heptachlor Epoxide	0.09111	0.020	0.100	0	91.1%	58	115	0			
Endosulfan I	0.09708	0.020	0.100	0	97.1%	56	111	0			
Dieldrin	0.09842	0.020	0.100	0	98.4%	56	118	0			
4,4'-DDE	0.09550	0.020	0.100	0	95.5%	70	120	0			
Endrin	0.09539	0.020	0.100	0	95.4%	60	183	0			
Endosulfan II	0.1204	0.020	0.100	0	120%	33	161	0			
4,4'-DDD	0.09591	0.020	0.100	0	95.9%	70	120	0			
Endrin Aldehyde	0.08092	0.020	0.100	0	80.9%	29	125	0			
Endosulfan sulfate	0.08568	0.020	0.100	0	85.7%	70	120	0			
4,4'-DDT	0.09207	0.020	0.100	0	92.1%	70	120	0			
Methoxychlor	0.1018	0.020	0.100	0	102%	70	120	0			
Chloroneb	1.74	0.40	2.00	0	86.8%	27	160	0			

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: EBA Engineering
Work Order: 0408484
Project: 03-1050, Tolay Lake Property

QC SUMMARY REPORT
Laboratory Control Spike Duplicate

Sample ID: **LCSD-12011** Batch ID: **12011** Test Code: **8081S** Units: **µg/g** Analysis Date: **9/3/04 12:32:33 AM** Prep Date: **8/30/04**
Client ID: Run ID: **ORGC4_040902A** SeqNo: **448903**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
alpha-BHC	0.08187	0.020	0.100	0	81.9%	56	119	0.0806	1.54%	20	
beta-BHC	0.1089	0.020	0.100	0	109%	63	112	0.104	4.06%	20	
Lindane	0.08091	0.020	0.100	0	80.9%	56	118	0.0797	1.47%	55	
delta-BHC	0.09321	0.020	0.100	0	93.2%	63	115	0.0905	2.93%	20	
Heptachlor	0.1050	0.020	0.100	0	105%	59	120	0.102	2.44%	57	
Aldrin	0.09035	0.020	0.100	0.00678	83.6%	44	109	0.0858	5.20%	20	
Heptachlor Epoxide	0.09381	0.020	0.100	0	93.8%	58	115	0.0911	2.92%	20	
Endosulfan I	0.1005	0.020	0.100	0	100%	56	111	0.0971	3.45%	20	
Dieldrin	0.1025	0.020	0.100	0	102%	56	118	0.0984	4.05%	20	
4,4'-DDE	0.09875	0.020	0.100	0	98.8%	70	120	0.0955	3.35%	20	
Endrin	0.09775	0.020	0.100	0	97.8%	60	183	0.0954	2.44%	20	
Endosulfan II	0.1252	0.020	0.100	0	125%	33	161	0.120	3.88%	20	
4,4'-DDD	0.09933	0.020	0.100	0	99.3%	70	120	0.0959	3.51%	20	
Endrin Aldehyde	0.08446	0.020	0.100	0	84.5%	29	125	0.0809	4.28%	20	
Endosulfan sulfate	0.09006	0.020	0.100	0	90.1%	70	120	0.0857	4.98%	20	
4,4'-DDT	0.09808	0.020	0.100	0	98.1%	70	120	0.0921	6.32%	20	
Methoxychlor	0.1099	0.020	0.100	0	110%	70	120	0.102	7.61%	20	
Chloroneb	1.79	0.40	2.00	0	89.5%	27	160	1.74	3.02%	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: EBA Engineering
Work Order: 0408484
Project: 03-1050, Tolay Lake Property

QC SUMMARY REPORT
Laboratory Control Spike

Sample ID: **LCS-12047** Batch ID: **12047** Test Code: **8081S** Units: **µg/g** Analysis Date: **9/8/04 5:13:35 AM** Prep Date: **9/2/04**
Client ID: Run ID: **ORGC4_040902A** SeqNo: **448937**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
alpha-BHC	0.05789	0.020	0.100	0	57.9%	56	119	0			
beta-BHC	0.05538	0.020	0.100	0	55.4%	63	112	0			S
Lindane	0.05789	0.020	0.100	0	57.9%	56	118	0			
delta-BHC	0.05710	0.020	0.100	0	57.1%	63	115	0			S
Heptachlor	0.05908	0.020	0.100	0	59.1%	59	120	0			
Aldrin	0.05820	0.020	0.100	0	58.2%	44	109	0			
Heptachlor Epoxide	0.05640	0.020	0.100	0	56.4%	58	115	0			S
Endosulfan I	0.05662	0.020	0.100	0	56.6%	56	111	0			
Dieldrin	0.05800	0.020	0.100	0	58.0%	56	118	0			
4,4'-DDE	0.05631	0.020	0.100	0	56.3%	70	120	0			S
Endrin	0.05746	0.020	0.100	0	57.5%	60	183	0			S
Endosulfan II	0.07925	0.020	0.100	0	79.3%	33	161	0			
4,4'-DDD	0.06010	0.020	0.100	0	60.1%	70	120	0			S
Endrin Aldehyde	0.06038	0.020	0.100	0	60.4%	29	125	0			
Endosulfan sulfate	0.05657	0.020	0.100	0	56.6%	70	120	0			S
4,4'-DDT	0.05562	0.020	0.100	0	55.6%	70	120	0			S
Methoxychlor	0.06641	0.020	0.100	0	66.4%	70	120	0			S
Chloroneb	1.43	0.40	2.00	0	71.3%	27	160	0			

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: EBA Engineering
Work Order: 0408484
Project: 03-1050, Tolay Lake Property

QC SUMMARY REPORT
Laboratory Control Spike Duplicate

Sample ID: **LCSD-12047** Batch ID: **12047** Test Code: **8081S** Units: **µg/g** Analysis Date: **9/8/04 5:59:22 AM** Prep Date: **9/2/04**
Client ID: Run ID: **ORGC4_040902A** SeqNo: **448938**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
alpha-BHC	0.05723	0.020	0.100	0	57.2%	56	119	0.0579	1.16%	20	
beta-BHC	0.05609	0.020	0.100	0	56.1%	63	112	0.0554	1.28%	20	S
Lindane	0.05852	0.020	0.100	0	58.5%	56	118	0.0579	1.08%	55	
delta-BHC	0.05764	0.020	0.100	0	57.6%	63	115	0.0571	0.945%	20	S
Heptachlor	0.06021	0.020	0.100	0	60.2%	59	120	0.0591	1.90%	57	
Aldrin	0.05871	0.020	0.100	0	58.7%	44	109	0.0582	0.872%	20	
Heptachlor Epoxide	0.05731	0.020	0.100	0	57.3%	58	115	0.0564	1.60%	20	S
Endosulfan I	0.05973	0.020	0.100	0	59.7%	56	111	0.0566	5.35%	20	
Dieldrin	0.05908	0.020	0.100	0	59.1%	56	118	0.0580	1.86%	20	
4,4'-DDE	0.05764	0.020	0.100	0	57.6%	70	120	0.0563	2.33%	20	S
Endrin	0.05912	0.020	0.100	0	59.1%	60	183	0.0575	2.84%	20	S
Endosulfan II	0.08063	0.020	0.100	0	80.6%	33	161	0.0792	1.73%	20	
4,4'-DDD	0.05969	0.020	0.100	0	59.7%	70	120	0.0601	0.671%	20	S
Endrin Aldehyde	0.05645	0.020	0.100	0	56.5%	29	125	0.0604	6.72%	20	
Endosulfan sulfate	0.05761	0.020	0.100	0	57.6%	70	120	0.0566	1.84%	20	S
4,4'-DDT	0.05855	0.020	0.100	0	58.5%	70	120	0.0556	5.13%	20	S
Methoxychlor	0.06661	0.020	0.100	0	66.6%	70	120	0.0664	0.303%	20	S
Chloroneb	1.44	0.40	2.00	0	71.8%	27	160	1.43	0.580%	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: EBA Engineering
Work Order: 0408484
Project: 03-1050, Tolay Lake Property

QC SUMMARY REPORT
Laboratory Control Spike

Sample ID: **LCS-11988** Batch ID: **11988** Test Code: **8140S** Units: **µg/g** Analysis Date: **8/28/04 12:27:38 PM** Prep Date: **8/25/04**
Client ID: Run ID: **ORGC13_040827A** SeqNo: **445610**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorvos	2.488	0.50	2.50	0	99.5%	46	145	0			
Mevinphos	3.737	1.0	5.00	0	74.7%	32	131	0			
Ethoprophos	3.492	1.0	5.00	0	69.8%	38	135	0			
Phorate	2.005	1.0	2.50	0	80.2%	39	146	0			
Demeton-S	7.347	2.0	10.0	0	73.5%	30	137	0			
Diazinon	1.910	0.50	2.50	0	76.4%	42	132	0			
Disulfoton	2.557	0.50	2.50	0	102%	37	139	0			
Dimethoate	7.659	2.0	10.0	0	76.6%	17	134	0			
Ronnel	1.794	0.50	2.50	0	71.8%	32	172	0			
Methyl Parathion	1.719	0.50	2.50	0	68.7%	27	141	0			
Chlorpyrifos	1.775	0.50	2.50	0	71.0%	37	150	0			
Malathion	1.740	0.50	2.50	0	69.6%	48	139	0			
Parathion	1.762	0.50	2.50	0	70.5%	28	152	0			
Fenthion	1.865	0.50	2.50	0	74.6%	37	137	0			
Tetrachlorvinphos	1.958	0.50	2.50	0	78.3%	44	135	0			
Ethion	1.961	0.50	2.50	0	78.4%	51	128	0			
Fensulfothion	4.528	1.0	5.00	0	90.6%	20	138	0			
Azinphos	10.47	2.5	12.5	0	83.8%	38	146	0			
Coumaphos	9.363	2.5	12.5	0	74.9%	39	143	0			
Triphenylphosphate	3.97	0.10	5.00	0	79.5%	30	137	0			

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: EBA Engineering
Work Order: 0408484
Project: 03-1050, Tolay Lake Property

QC SUMMARY REPORT
Laboratory Control Spike Duplicate

Sample ID: LCSD-11988 Batch ID: 11988 Test Code: 8140S Units: µg/g Analysis Date: 8/28/04 1:05:05 PM Prep Date: 8/25/04
Client ID: Run ID: ORGC13_040827A SeqNo: 445611

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorvos	2.461	0.50	2.50	0	98.5%	46	145	2.49	1.08%	43	
Mevinphos	3.692	1.0	5.00	0	73.8%	32	131	3.74	1.19%	35	
Ethoprophos	3.446	1.0	5.00	0	68.9%	38	135	3.49	1.33%	25	
Phorate	1.932	1.0	2.50	0	77.3%	39	146	2.00	3.69%	34	
Demeton-S	7.251	2.0	10.0	0	72.5%	30	137	7.35	1.31%	33	
Diazinon	1.883	0.50	2.50	0	75.3%	42	132	1.91	1.42%	58	
Disulfoton	2.547	0.50	2.50	0	102%	37	139	2.56	0.416%	33	
Dimethoate	7.579	2.0	10.0	0	75.8%	17	134	7.66	1.04%	56	
Ronnel	1.810	0.50	2.50	0	72.4%	32	172	1.79	0.890%	30	
Methyl Parathion	1.777	0.50	2.50	0	71.1%	27	141	1.72	3.33%	37	
Chlorpyrifos	1.771	0.50	2.50	0	70.8%	37	150	1.78	0.271%	34	
Malathion	1.735	0.50	2.50	0	69.4%	48	139	1.74	0.315%	36	
Parathion	1.767	0.50	2.50	0	70.7%	28	152	1.76	0.293%	28	
Fenthion	1.848	0.50	2.50	0	73.9%	37	137	1.86	0.885%	32	
Tetrachlorvinphos	1.962	0.50	2.50	0	78.5%	44	135	1.96	0.224%	28	
Ethion	1.934	0.50	2.50	0	77.4%	51	128	1.96	1.37%	35	
Fensulfothion	4.164	1.0	5.00	0	83.3%	20	138	4.53	8.38%	52	
Azinphos	10.72	2.5	12.5	0	85.7%	38	146	10.5	2.30%	32	
Coumaphos	9.314	2.5	12.5	0	74.5%	39	143	9.36	0.533%	32	
Triphenylphosphate	3.91	0.10	5.00	0	78.2%	30	137	3.97	1.53%	31	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: EBA Engineering
Work Order: 0408484
Project: 03-1050, Tolay Lake Property

QC SUMMARY REPORT
Laboratory Control Spike

Sample ID: LCS-12003 Batch ID: 12003 Test Code: 8140S Units: µg/g Analysis Date: 9/2/04 10:45:35 PM Prep Date: 8/27/04
Client ID: Run ID: ORGC13_040902A SeqNo: 446960

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorvos	1.996	0.50	2.50	0	79.8%	46	145	0			
Mevinphos	3.511	1.0	5.00	0	70.2%	32	131	0			
Ethoprophos	3.424	1.0	5.00	0	68.5%	38	135	0			
Phorate	1.277	1.0	2.50	0	51.1%	39	146	0			
Demeton-S	6.726	2.0	10.0	0	67.3%	30	137	0			
Diazinon	1.856	0.50	2.50	0	74.2%	42	132	0			
Disulfoton	2.066	0.50	2.50	0	82.6%	37	139	0			
Dimethoate	7.490	2.0	10.0	0	74.9%	17	134	0			
Ronnel	1.896	0.50	2.50	0	75.8%	32	172	0			
Methyl Parathion	1.926	0.50	2.50	0	77.1%	27	141	0			
Chlorpyrifos	1.812	0.50	2.50	0	72.5%	37	150	0			
Malathion	1.750	0.50	2.50	0	70.0%	48	139	0			
Parathion	1.806	0.50	2.50	0	72.3%	28	152	0			
Fenthion	1.924	0.50	2.50	0	77.0%	37	137	0			
Tetrachlorvinphos	1.978	0.50	2.50	0	79.1%	44	135	0			
Ethion	1.949	0.50	2.50	0	78.0%	51	128	0			
Fensulfothion	3.829	1.0	5.00	0	76.6%	20	138	0			
Azinphos	10.31	2.5	12.5	0	82.5%	38	146	0			
Coumaphos	9.861	2.5	12.5	0	78.9%	39	143	0			
Triphenylphosphate	0.311	0.10	5.00	0	6.23%	30	137	0			S

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: EBA Engineering
Work Order: 0408484.
Project: 03-1050, Tolay Lake Property

QC SUMMARY REPORT
Laboratory Control Spike

Sample ID: LCS-11986 Batch ID: 11986 Test Code: 8150S Units: µg/g Analysis Date: 9/1/04 2:48:30 AM Prep Date: 8/25/04
Client ID: Run ID: ORGC4_040831A SeqNo: 446543

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dalapon	3.239	1.0	5.00	0	64.8%	35	99	0			
Dicamba	0.8357	0.20	1.00	0	83.6%	36	102	0			
Dichlorprop	3.852	1.0	5.00	0	77.0%	41	98	0			
2,4-D	3.824	1.0	5.00	0	76.5%	38	104	0			
2,4,5-TP	0.3833	0.10	0.500	0	76.7%	38	101	0			
2,4,5-T	0.3672	0.10	0.500	0	73.4%	36	106	0			
2,4-DB	3.738	1.0	5.00	0	74.8%	40	101	0			
Dinoseb	0.2909	0.20	1.00	0	29.1%	4	73	0			
2,3-D	3.78	0.10	5.00	0	75.6%	44	100	0			

Sample ID: LCSD-11986 Batch ID: 11986 Test Code: 8150S Units: µg/g Analysis Date: 9/1/04 3:35:11 AM Prep Date: 8/25/04
Client ID: Run ID: ORGC4_040831A SeqNo: 446544

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dalapon	3.397	1.0	5.00	0	67.9%	35	99	3.24	4.77%	15	
Dicamba	0.8761	0.20	1.00	0	87.6%	36	102	0.836	4.73%	15	
Dichlorprop	4.051	1.0	5.00	0	81.0%	41	98	3.85	5.04%	15	
2,4-D	4.025	1.0	5.00	0	80.5%	38	104	3.82	5.13%	15	
2,4,5-TP	0.3954	0.10	0.500	0	79.1%	38	101	0.383	3.10%	15	
2,4,5-T	0.4233	0.10	0.500	0	84.7%	36	106	0.367	14.2%	15	
2,4-DB	3.831	1.0	5.00	0	76.6%	40	101	3.74	2.47%	15	
Dinoseb	0.2859	0.20	1.00	0	28.6%	4	73	0.291	1.72%	15	
2,3-D	3.91	0.10	5.00	0	78.3%	44	100	3.78	3.45%	15	

Sample ID: LCS-12025 Batch ID: 12025 Test Code: CHLORSU Units: µg/g Analysis Date: 9/1/04 5:00:38 PM Prep Date: 8/31/04
Client ID: Run ID: ORLC2_040901A SeqNo: 446753

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorsulfuron	0.5001	0.10	0.500	0	100%	70	130	0			

Qualifiers: ND - Not Detected at the Reporting Limit; S - Spike Recovery outside accepted recovery limits; B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits; R - RPD outside accepted recovery limits

CLIENT: EBA Engineering
Work Order: 0408484
Project: 03-1050, Tolay Lake Property

QC SUMMARY REPORT
Laboratory Control Spike Duplicate

Sample ID: **LCSD-12025** Batch ID: **12025** Test Code: **CHLORSU** Units: **µg/g** Analysis Date: **9/1/04 5:18:51 PM** Prep Date: **8/31/04**
Client ID: Run ID: **ORLC2_040901A** SeqNo: **446754**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorsulfuron	0.4185	0.10	0.500	0	83.7%	70	130	0.500	17.8%	20	

Sample ID: **LCS-11995** Batch ID: **11995** Test Code: **ORYZS** Units: **µg/g** Analysis Date: **8/31/04 5:46:15 PM** Prep Date: **8/26/04**
Client ID: Run ID: **ORLC2_040831A** SeqNo: **446126**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Oryzalin(Surflan)	5.086	1.0	5.00	0	102%	70	120	0			

Sample ID: **LCSD-11995** Batch ID: **11995** Test Code: **ORYZS** Units: **µg/g** Analysis Date: **8/31/04 6:04:08 PM** Prep Date: **8/26/04**
Client ID: Run ID: **ORLC2_040831A** SeqNo: **446127**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Oryzalin(Surflan)	5.175	1.0	5.00	0	103%	70	120	5.09	1.73%	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

0C108484

WORK ORDER
CHAIN OF CUSTODY RECORD

alpha

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DATE 8/18/04 PAGE 1 OF 1

CLIENT'S NAME: EPA Engineering

PROJECT MANAGER: David Novea

STREET ADDRESS: 825 Sonoma Ave. CITY: SR STATE: CA ZIP: 95404

PHONE NUMBER: (707) 544-0784

PROJECT NAME: Blay Lake Project

FAX NUMBER: (707) 544-0866

CONTRACT/PURCHASE ORDER/QUOTE NUMBER:

SITE CONTACT:

SIGNATURE OF PERSON AUTHORIZING WORK UNDER TERMS STATED ON REVERSE SIDE OF THIS FORM.

SAMPLED BY: David Novea

ANALYSES: Organochlorine Pesticides; [illegible]; [illegible] Herbicides; [illegible]; Total [illegible]

SAMPLE CONDITION ON RECEIPT:

COLD/ICED? ______

BUBBLES OR AIR SPACE? ______

WERE SAMPLES PRESERVED? ______

SAMPLE NUMBER/IDENTIFICATION	DATE	TIME	LAB SAMPLE NUMBER	SAMPLE TYPE: LIQ	AIR	SOLID	COMP	GRAB	NO. OF CONTS.	Analysis 1	Analysis 2	Analysis 3	Analysis 4	Analysis 5		EXPLAIN IRREGULARITIES BELOW
D-1	8/18/04	1705				X		X	1	X	X	X	X	X		
D-2	↓	1715				↓		↓	↓	↓	↓	↓	↓	↓		
D-3	↓	1720				↓		↓	↓	↓	↓	↓	↓	↓		
D-4	↓	1735				↓		↓	↓	↓	↓	↓	↓	↓		
D-5	↓	1730				↓		↓	↓	↓	↓	↓	↓	↓		

RELINQUISHED BY: (SIGNATURE) David Novea

RECEIVED BY: (SIGNATURE) K. Thompson — DATE 8/20/04 TIME 1100

TURN AROUND TIME REQUESTED

RELINQUISHED BY: (SIGNATURE)

RECEIVED BY: (SIGNATURE) — DATE TIME

RELINQUISHED BY: (SIGNATURE)

RECEIVED FOR LABORATORY BY:

SAMPLE CONTROL OFFICER

METHOD OF SHIPMENT

AUTHORIZED BY:

SPECIAL INSTRUCTIONS

SAMPLE DESPOSITION:
1. STORAGE TIME REQUESTED ______ DAYS (SAMPLES WILL BE STORED FOR 30 DAYS WITHOUT ADDITIONAL CHARGES: THEREAFTER STORAGE CHARGES WILL BE BILLED AT THE PUBLISHED RATES.)
2. SAMPLE TO BE RETURNED TO CLIENT? ☐ YES ☐ NO

HAZARDOUS MATERIALS ARE THE PROPERTY OF THE CLIENT. THE CLIENT IS RESPONSIBLE FOR PROPER DISPOSAL OF HAZARDOUS WASTES. CLIENTS NOT PICKING UP HAZARDOUS WASTES MAY BE ASSESSED AN APPROPRIATE FEE.

DRIVING TIME | SITE TIME | TOTAL TIME

NORTH COAST LABORATORIES LTD.
5680 West End Road • Arcata • CA 95521-9202
707-822-4649 Fax 707-822-6831

Chain of Custody

0408484

LABORATORY NUMBER:

Attention: David Neven
Results & Invoice to: EBA Engineering
Address: 825 Sonoma Avenue
Santa Rosa, California 95404
Phone: (707) 544-0784
Copies of Report to:
Sampler (Sign & Print): David Neven

TAT: ☐ 24 Hr ☐ 48 Hr ☐ 5 Day ☐ 5–7 Day
☒ STD (2–3 Wk) ☐ Other:
PRIOR AUTHORIZATION IS REQUIRED FOR RUSHES

REPORTING REQUIREMENTS: State Forms ☐
Preliminary: FAX ☒ Verbal ☐ By: n/a
Final Report: FAX ☐ Verbal ☐ By: hand copy

CONTAINER CODES: 1—½ gal. pl; 2—250 ml pl; 3—500 ml pl; 4—1 L Nalgene; 5—250 ml BG; 6—500 ml BG; 7—1 L BG; 8—1 L cg; 9—40 ml VOA; 10—125 ml VOA; 11—4 oz glass jar; 12—8 oz glass jar; 13—brass tube; 14—other

PRESERVATIVE CODES: a—HNO_3; b—HCl; c—H_2SO_4; d—$Na_2S_2O_3$; e—NaOH; f—$C_2H_3O_2Cl$; g—other

PROJECT INFORMATION

Project Number: 03-1050
Project Name: Tokay Lake Property
Purchase Order Number:

LAB ID	SAMPLE ID	DATE	TIME	MATRIX*	CONTAINER	PRESERVATIVE	ANALYSIS: Organochlorinated Herb	Chlorinated Herb	Organochlorines	Triazine-Full Scan
5-1		8/13/04	1028	S	1	—	✓	✓	✓	✓
5-2			1038							
5-3			1045							
5-4			1050							
5-5			1100							
5-6			1110							
5-7			1117							
5-8			1125							
5-9			1135							
5-10		V	1140	V	V	V	V	V	V	V

SAMPLE CONDITION/SPECIAL INSTRUCTIONS

Laboratory to composite 10:1

Cooler temp=15.1C

RELINQUISHED BY (Sign & Print)	DATE/TIME	RECEIVED BY (Sign)	DATE/TIME
David Neven		K. Thompson	8/20/04 1100

SAMPLE DISPOSAL
☐ NCL Disposal of Non-Contaminated
☐ Return ☐ Pickup

CHAIN OF CUSTODY SEALS Y/N/NA
SHIPPED VIA: UPS Air-Ex Fed-Ex Bus Hand

***MATRIX:** DW=Drinking Water; Eff=Effluent; Inf=Influent; SW=Surface Water; GW=Ground Water; S=Soil; O=Other.

ALL CONTAMINATED NON-AQUEOUS SAMPLES WILL BE RETURNED TO CLIENT

NORTH COAST LABORATORIES LTD.
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Chain of Custody

D408484

LABORATORY NUMBER:

Attention: David Noren
Results & Invoice to: EBA Engineering
Address: 825 Sonoma Avenue
Santa Rosa California 95404
Phone: (707) 544-0784
Copies of Report to:
Sampler (Sign & Print): David Noren

PROJECT INFORMATION

Project Number: 03-1050
Project Name: Tolay Lake Project
Purchase Order Number:

LAB ID	SAMPLE ID	DATE	TIME	MATRIX*	Organophosphate TDs	Carbamate & Urea	Chlorinated Herbicides	Organochlorines	Triazine Full Scan
PRESERVATIVE					—		—	—	✓
CONTAINER					1		1	1	1
S-11		8/18/04	1235	S	/	/	/	/	/
S-12			1240		/	/	/	/	/
S-13			1245		/	/	/	/	/
S-14			1300		/	/	/	/	/
S-15			1305		/	/	/	/	/
S-16			1310		/	/	/	/	/
S-17			1315		/	/	/	/	/
S-18			1320		/	/	/	/	/
S-19			1325		/	/	/	/	/
S-20		"	1340	"	/	/	/	/	/

TAT: ☐ 24 Hr ☐ 48 Hr ☐ 5 Day ☐ 5–7 Day ☐ STD (2–3 Wk) ☐ Other: ______
PRIOR AUTHORIZATION IS REQUIRED FOR RUSHES

REPORTING REQUIREMENTS: State Forms ☐
Preliminary: FAX ☐ Verbal ☐ By: __/__/__
Final Report: FAX ☐ Verbal ☐ By: __/__/__

CONTAINER CODES: 1—½ gal. pl; 2—250 ml pl; 3—500 ml pl; 4—1 L Nalgene; 5—250 ml BG; 6—500 ml BG; 7—1 L BG; 8—1 L cg; 9—40 ml VOA; 10—125 ml VOA; 11—4 oz glass jar; 12—8 oz glass jar; 13—brass tube; 14—other

PRESERVATIVE CODES: a—HNO_3; b—HCl; c—H_2SO_4; d—$Na_2S_2O_3$; e—NaOH; f—$C_2H_3O_2Cl$; g—other

SAMPLE CONDITION/SPECIAL INSTRUCTIONS

Lab to composite samples 10:1

RELINQUISHED BY (Sign & Print)	DATE/TIME	RECEIVED BY (Sign)	DATE/TIME
David Noren [illegible]		K. Thompson [illegible]	8/20/04 1120

SAMPLE DISPOSAL
☐ NCL Disposal of Non-Contaminated
☐ Return ☐ Pickup

CHAIN OF CUSTODY SEALS Y/N/NA
SHIPPED VIA: UPS Air-Ex Fed-Ex Bus Hand

***MATRIX:** DW=Drinking Water; Eff=Effluent; Inf=Influent; SW=Surface Water; GW=Ground Water; S=Soil; O=Other.

ALL CONTAMINATED NON-AQUEOUS SAMPLES WILL BE RETURNED TO CLIENT

NORTH COAST LABORATORIES LTD.
5680 West End Road • Arcata • CA 95521-9202
707-822-4649 Fax 707-822-6831

Chain of Custody

0408484

LABORATORY NUMBER:

Attention: David Noren
Results & Invoice to: EBA Engineering
Address: 825 Sonoma Avenue
Santa Rosa, California 95404
Phone: (707) 544-0784
Copies of Report to:
Sampler (Sign & Print): David Noren

PROJECT INFORMATION

Project Number: 03-1050
Project Name: Tolay Lake
Purchase Order Number:

LAB ID	SAMPLE ID	DATE	TIME	MATRIX*
521		8/18/04	1345	S
522			1350	
523			1355	
524			1400	
525			1410	
526			1420	
527			1425	
528			1435	
529			1445	
530			1450	

PRESERVATIVE / CONTAINER / ANALYSIS: Brominated herbicides; Substituted Urea; Chlorinated Herb; Organochlorines; Triazine + Full Scan (all samples checked)

TAT: ☐ 24 Hr ☐ 48 Hr ☐ 5 Day ☐ 5–7 Day ☐ STD (2–3 Wk) ☐ Other: ______
PRIOR AUTHORIZATION IS REQUIRED FOR RUSHES

REPORTING REQUIREMENTS: State Forms ☐
Preliminary: FAX ☐ Verbal ☐ By: __/__/__
Final Report: FAX ☐ Verbal ☐ By: __/__/__

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PRESERVATIVE CODES: a—HNO_3; b—HCl; c—H_2SO_4; d—$Na_2S_2O_3$; e—NaOH; f—$C_2H_3O_2Cl$; g—other

SAMPLE CONDITION/SPECIAL INSTRUCTIONS

Laboratory to composite 10:1

RELINQUISHED BY (Sign & Print)	DATE/TIME	RECEIVED BY (Sign)	DATE/TIME
David Noren		K. Thompson	8/20/04 1100

SAMPLE DISPOSAL
☐ NCL Disposal of Non-Contaminated
☐ Return ☐ Pickup

CHAIN OF CUSTODY SEALS Y/N/NA
SHIPPED VIA: UPS Air-Ex Fed-Ex Bus Hand

***MATRIX:** DW=Drinking Water; Eff=Effluent; Inf=Influent; SW=Surface Water; GW=Ground Water; S=Soil; O=Other.

ALL CONTAMINATED NON-AQUEOUS SAMPLES WILL BE RETURNED TO CLIENT

NORTH COAST LABORATORIES LTD.
5680 West End Road • Arcata • CA 95521-9202
707-822-4649 Fax 707-822-6831

Chain of Custody

0408485

LABORATORY NUMBER:

Attention: David Noren
Results & Invoice to: EBA Engineering
Address: 835 Fourand Avenue
Santa Rosa, CA 95404
Phone: (707) 544-0784
Copies of Report to:
Sampler (Sign & Print): David Noren

PROJECT INFORMATION
Project Number: 03-1050
Project Name: Tolay Lake Project
Purchase Order Number:

TAT: ☐ 24 Hr ☐ 48 Hr ☐ 5 Day ☐ 5–7 Day
☐ STD (2–3 Wk) ☐ Other:
PRIOR AUTHORIZATION IS REQUIRED FOR RUSHES

REPORTING REQUIREMENTS: State Forms ☐
Preliminary: FAX ☐ Verbal ☐ By: __/__/__
Final Report: FAX ☐ Verbal ☐ By: __/__/__

CONTAINER CODES: 1—½ gal. pl; 2—250 ml pl; 3—500 ml pl; 4—1 L Nalgene; 5—250 ml BG; 6—500 ml BG; 7—1 L BG; 8—1 L cg; 9—40 ml VOA; 10—125 ml VOA; 11—4 oz glass jar; 12—8 oz glass jar; 13—brass tube; 14—other

PRESERVATIVE CODES: a—HNO_3; b—HCl; c—H_2SO_4; d—$Na_2S_2O_3$; e—NaOH; f—$C_2H_3O_2Cl$; g—other

LAB ID	SAMPLE ID	DATE	TIME	MATRIX*
537		8/18/04	1500	S
538			1505	
539			1510	
540			1515	
541			1520	
542			1534	
543			1745	
544			1550	
545			1555	
546			1600	

ANALYSIS: Organochlorine Pesticides; Chlorinated Herbicides; Organophosphorus Pesticides; Triazine - Full Scan
CONTAINER
PRESERVATIVE

SAMPLE CONDITION/SPECIAL INSTRUCTIONS
Laboratory to composite 10:1

RELINQUISHED BY (Sign & Print)	DATE/TIME	RECEIVED BY (Sign)	DATE/TIME
David Noren		[illegible]	8/20/04 1100

SAMPLE DISPOSAL
☐ NCL Disposal of Non-Contaminated
☐ Return ☐ Pickup

CHAIN OF CUSTODY SEALS Y/N/NA
SHIPPED VIA: UPS Air-Ex Fed-Ex Bus Hand

***MATRIX:** DW=Drinking Water; Eff=Effluent; Inf=Influent; SW=Surface Water; GW=Ground Water; S=Soil; O=Other.

ALL CONTAMINATED NON-AQUEOUS SAMPLES WILL BE RETURNED TO CLIENT

NORTH COAST LABORATORIES LTD.
5680 West End Road • Arcata • CA 95521-9202
707-822-4649 Fax 707-822-6831

Chain of Custody

04084 84

LABORATORY NUMBER:

Attention: David Noren
Results & Invoice to: EBA Engineering
Address: 825 Sonoma Ave
Santa Rosa, CA
Phone: (707) 544-8784
Copies of Report to:
Sampler (Sign & Print): David Noren

PROJECT INFORMATION

Project Number: 83-1050
Project Name: Tolay Lake Project
Purchase Order Number:

LAB ID	SAMPLE ID	DATE	TIME	MATRIX*
541		8/18/04	1605	S
542			1610	
543			1615	
544			1620	
545			1625	
546			1630	
547			1635	
548			1640	
549			1645	
550			1650	

PRESERVATIVE / CONTAINER / ANALYSIS:

ANALYSIS	Organophosphates	Carbamates & Urea	Chlorinated Herbs	Organochlorines	Triazine - Full scan
PRESERVATIVE	—	—	—	—	—
CONTAINER	—	—	—	—	—
541–550	✓	✓	✓	✓	✓

TAT: ☐ 24 Hr ☐ 48 Hr ☐ 5 Day ☐ 5–7 Day ☐ STD (2–3 Wk) ☐ Other: ______

PRIOR AUTHORIZATION IS REQUIRED FOR RUSHES

REPORTING REQUIREMENTS: State Forms ☐
Preliminary: FAX ☐ Verbal ☐ By: __/__/__
Final Report: FAX ☐ Verbal ☐ By: __/__/__

CONTAINER CODES: 1—½ gal. pl; 2—250 ml pl; 3—500 ml pl; 4—1 L Nalgene; 5—250 ml BG; 6—500 ml BG; 7—1 L BG; 8—1 L cg; 9—40 ml VOA; 10—125 ml VOA; 11—4 oz glass jar; 12—8 oz glass jar; 13—brass tube; 14—other

PRESERVATIVE CODES: a—HNO_3; b—HCl; c—H_2SO_4; d—$Na_2S_2O_3$; e—NaOH; f—$C_2H_3O_2Cl$; g—other

SAMPLE CONDITION/SPECIAL INSTRUCTIONS

Laboratory to composite 10:1

RELINQUISHED BY (Sign & Print)	DATE/TIME	RECEIVED BY (Sign)	DATE/TIME
David Noren		G Thompson	8/20/04 1100

SAMPLE DISPOSAL
☐ NCL Disposal of Non-Contaminated
☐ Return ☐ Pickup

CHAIN OF CUSTODY SEALS Y/N/NA
SHIPPED VIA: UPS Air-Ex Fed-Ex Bus Hand

***MATRIX:** DW=Drinking Water; Eff=Effluent; Inf=Influent; SW=Surface Water; GW=Ground Water; S=Soil; O=Other.

ALL CONTAMINATED NON-AQUEOUS SAMPLES WILL BE RETURNED TO CLIENT

BioVir Laboratories, Inc.

685 Stone Road, Unit 6 • Benicia, CA 94510 • (707) 747-5906 • 1-800-GIARDIA • FAX (707) 747-1751 • WEB: www.biovir.com

REPORT OF SAMPLE EVALUATION

REPORT NO.: R041519A

PAGE NO.: 1 of 2

CLIENT ADDRESS: EBA Engineering
825 Sonoma Avenue
Santa Rosa, CA 95404

CLIENT NO.: EBA001

SAMPLE INFORMATION:

Name of Sampler:	David Noren	Sample Date:	08/25/04
Sample Source:	Spring	Sample Time:	14:00
Sample ID / Location:	Water Storage Tank	Turbidity:	NA
Filter Type:	Parker Hannifan, M39R10A	Temperature:	NA
Sample Volume:	539 Gallons / 2040 Liters	pH:	NA
Comments:	Raw Drinking Water	P.O. #:	03-1050

Sample Received Date:	08/25/04
Sample Received Time:	15:33
Sample Check-in Temp.:	18.3 C

ASSAY RESULTS:

1. Giardia species Assay: <0.0012 Giardia species cyst seen / Liter. (830.5 Liters Examined)
   (SM18;9711B; FA)

2. Cryptosporidium Assay: <0.0012 Cryptosporidium oocyst seen / Liter. (830.5 Liters Examined)
   (SM18;9711B; FA)

3. Microscopic Particulate Analysis: See page 2
   (EPA 910/9-92-029)

Commentary:
An aliquot representing 378.5 Liters was taken from the 2040 Liter sample concentrate for particulate analysis.

1 Gallon = 3.785 Liters

MICROSCOPIC PARTICULATE ANALYSIS

PRIMARY PARTICULATES (per 378.5 Liters)		SECONDARY PARTICULATES (per 378.5 Liters)	
Giardia:	NS	Plant Pollen:	NS
Cryptosporidium:	NS	Nematodes:	12
Diatoms:	NS	Crustacea:	NS
Other Algae:	NS	Amoeba:	NS
Insect/Larvae:	NS	Ciliates/Flagellates:	NS
Rotifers:	NS	Other Organisms:	NS
Plant Debris:	NS		

Key:

EH - extremely heavy
H - heavy
M - moderate
R - rare
NS - none seen

SAMPLE EVALUATION PERFORMANCE CRITERIA: The precise rates of recovery of organisms from environmental samples cannot be determined. BioVir Laboratories has analyzed your sample(s) in accordance with the method described with each analyte above, however, due to inherent limitations of these methods organisms may avoid detection. For additional information regarding the limitations of the method(s) referred to above please call us at 1-800-GIARDIA.

COMPANY IS NOT AN INSURER: BioVir Laboratories is not an insurer or guarantor of the quality and/or purity of water, wastewater, biosolid or other material from which the sample was taken. BioVir offers no express or implied warranties whatsoever concerning the quality or purity of any water, wastewater, biosolid or other material which is ultimately consumed, distributed, applied or otherwise disposed of.

8-28-04
COMPLETION DATE

Richard E Daniel
SIGNATURE/DATE
9-7-04

1519.1

BioVir LABORATORIES ®

GIARDIA / CRYPTOSPORIDIUM / MPA ASSAY SAMPLE DATA SHEET

(Please fill out applicable areas, sign and return to BioVir with the sample.)
Phone: 1-800-GIARDIA Fax: 707-747-1751 WEB: www.biovir.com

COPY

Note: Please print using waterproof ink

NAME AND ADDRESS OF WATER COMPANY OR UTILITY:	SAMPLE DATE:
CBt Engineering Attention: David Noren	August 25, 2004
	SAMPLE TIME: 1400
NAME OF SAMPLER: David Noren	pH: / Water Temp (C): /
SAMPLE SOURCE: Spring	TREATMENT CHARACTERISTICS (Check One): Raw Drinking Water ☑ Treated Drinking Water ☐ Wastewater ☐ Filtered Wastewater ☐
SAMPLE LOCATION: Water Storage Tank	DECHLORINATION/ DISINFECTANT NEUTRALIZATION (If Treated Water): Yes (No)
SAMPLE VOLUME: (Meter #) Meter Start: 7975 Meter Stop: 8514	TURBIDITY (NTU): Begin: End: Total Volume: 539 Gallons _____ Liters

Client Sample ID #: Water Storage Tank	P.O. #: 03-105

ASSAY REQUESTED: Please check one of the following

LT2 Samples: Special care should be taken for samples intended to satisfy the requirements of the Long Term 2 Enhanced Surface Water Treatment Rule. Samples must be at least 10 Liters in volume (at least 22lbs. plus vessel for grab samples). Samples must arrive at BioVir between 0 to 8 degrees C (not frozen). Pre-chill samples during sampling or before shipment to adhere to this requirement.

METHOD 1623: Cryptosporidium and Giardia (EPA 821-R-01-025)	
	REGULAR SAMPLE
	MATRIX SPIKE SAMPLE -Required in addition to the first sample from a source and every 20 samples thereafter (e.g. 21st, 41st, etc.)
METHOD 1622: Cryptosporidium Only (EPA 821-R-01-026)	
	REGULAR SAMPLE
	MATRIX SPIKE SAMPLE -Required in addition to the first sample from a source and every 20 samples thereafter (e.g. 21st, 41st, etc.)
MICROSCOPIC PARTICULATE ANALYSIS (MPA)	
✓	Microscopic Particulate Analysis (MPA) - (EPA 910/9-92-029)
OTHER ANALYTES (Please indicate Analyte & Method)	

COMMENTS:

RELINQUISHED BY: David Noren	DATE / TIME:
RECEIVED BY:	DATE / TIME: 8/25/04 1533

SHIPPING ADDRESS: BIOVIR LABORATORIES, INC., 685 STONE ROAD, UNIT 6, BENICIA, CALIFORNIA 94510
WHITE = BIOVIR COPY YELLOW = CUSTOMER COPY

BioVir LABORATORIES ®

MICROSCOPIC PARTICULATE ANALYSIS

Primary Particulates

Numerical range of each primary bio-indicator based on numbers counted per 378.5 Liters sampled

Surface Water	EH	H	M	R	NS
Giardia	**	**	**	**	None Seen
Coccidia	**	**	**	**	None Seen
Diatoms	>150	41-149	11-40	1-10	None Seen
Other Algae	>300	96-299	21-95	1-20	None Seen
Insects/Larvae	>100	31-99	16-30	1-15	None Seen
Rotifers	>150	61-149	21-60	1-20	None Seen
Plant Debris	>200	71-199	26-70	1-25	None Seen

Giardia lamblia	**	Assayed by Immunofluorescent Method. The presence of any amount of these organisims represents a HIGH RISK to surface water contamination.
Giardia species		
Cryptosporidium		

Key:

EH - extremely heavy
H - heavy
M - moderate
R - rare
NS - none seen

SECONDARY PARTICULATES

Secondary bio-indicators are reported as a number based on relative concentration per 100 gallons sampled and should be used only to support information derived from the primary bio-indicator category.

BioVir Laboratories, Inc., 685 Stone Road, Benicia, California 94510
Phone: 1-800-GIARDIA (442-7342) Fax: 707-747-1751

1-800-GIARDIA

RELATIVE SURFACE WATER RISK FACTOR

Indicators of Surface Water	EH	H	M	R	NS
Giardia	40	30	25	20	0
Coccidia	35	30	25	20	0
Diatoms	16	13	11	6	0
Other Algae	14	12	9	4	0
Insects/Larvae	9	7	5	3	0
Rotifers	4	3	2	1	0
Plant Debris	3	2	1	0	0

Indicators of Surface Water:

According to EPA "Guidance Manual for Compliance with the Filtration and Disinfection Requirements for Public Water Systems Using Surface Water Sources", March, 1991 ed.

Range of Indicators Key:

EH - extremely heavy
H - heavy
M - moderate
R - rare
NS - none seen

RISK OF SURFACE WATER CONTAMINATION

High Risk	=	20 or greater
Moderate Risk	=	10-19
Low Risk	=	9 or less

Alpha Analytical Laboratories Inc.
208 Mason Street, Ukiah, California 95482
e-mail: clientservices@alpha-labs.com • Phone: (707) 468-0401 • Fax: (707) 468-5267

31 August 2004

EBA Wastechnologies
Attn: David Noren
825 Sonoma Ave. Suite C
Santa Rosa, CA 95404
RE: Tolay Lake Project
Work Order: A408573

Enclosed are the results of analyses for samples received by the laboratory on 08/26/04 12:05. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Sheri Speaks

Sheri L. Speaks
Project Manager

Alpha Analytical Laboratories Inc.
208 Mason Street, Ukiah, California 95482
e-mail: clientservices@alpha-labs.com • Phone: (707) 468-0401 • Fax: (707) 468-5267

CHEMICAL EXAMINATION REPORT

EBA Wastechnologies
825 Sonoma Ave. Suite C
Santa Rosa, CA 95404
Attn: David Noren

Report Date: 08/31/04 10:17
Project No: 03-1050
Project ID: Tolay Lake Project

Order Number	Receipt Date/Time	Client Code	Client PO/Reference
A408573	08/26/2004 12:05	EBA	

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Water Tank	A408573-01	Water	08/25/04 13:30	08/26/04 12:05

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Sheri L. Speaks
Project Manager

8/31/04

Alpha Analytical Laboratories Inc.
208 Mason Street, Ukiah, California 95482
e-mail: clientservices@alpha-labs.com • Phone: (707) 468-0401 • Fax: (707) 468-5267

CHEMICAL EXAMINATION REPORT

EBA Wastechnologies
825 Sonoma Ave. Suite C
Santa Rosa, CA 95404
Attn: David Noren

Report Date: 08/31/04 10:17
Project No: 03-1050
Project ID: Tolay Lake Project

Order Number	Receipt Date/Time	Client Code	Client PO/Reference
A408573	08/26/2004 12:05	EBA	

Alpha Analytical Laboratories, Inc.

	METHOD	BATCH	PREPARED	ANALYZED	DILUTION	RESULT	PQL	NOTE
Water Tank (A408573-01)			**Sample Type: Water**			**Sampled: 08/25/04 13:30**		
Metals by EPA 200 Series Methods								
Iron	EPA 200.7	AH42707	08/27/04	08/30/04	1	ND mg/l	0.10	
Manganese	"	"	"	"	"	ND "	0.020	
Sodium	"	"	"	"	"	**22 "**	**1.0**	
Conventional Chemistry Parameters by APHA/EPA Methods								
Hardness, Total	SM2340B	AH42707	"	08/30/04	1	**140 mg/l**	**5**	
pH	EPA 150.1	AH42622	08/26/04	08/26/04	"	**7.7 pH Units**	**1.0**	
Specific Conductance (EC)	EPA 120.1	"	"	"	"	**440 umhos/cm**	**20**	
Total Dissolved Solids	"	"	"	"	"	**220 mg/l**	**10**	
Anions by EPA Method 300.0								
Nitrate as NO3	EPA 300.0	AH42617	08/26/04	08/26/04	1	**13 mg/l**	**1.0**	
Total and fecal coliform by presence/absence								
Total Coliforms	SM9223	AH43003	08/26/04	08/27/04	1	Present .	1	
Fecal Coliforms	"	"	"	"	"	Present "	1	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Sheri Speaks

Sheri L. Speaks
Project Manager

8/31/04

Alpha Analytical Laboratories Inc.
208 Mason Street, Ukiah, California 95482
e-mail: clientservices@alpha-labs.com • Phone: (707) 468-0401 • Fax: (707) 468-5267

CHEMICAL EXAMINATION REPORT

EBA Wastechnologies
825 Sonoma Ave. Suite C
Santa Rosa, CA 95404
Attn: David Noren

Report Date: 08/31/04 10:17
Project No: 03-1050
Project ID: Tolay Lake Project

Order Number	Receipt Date/Time	Client Code	Client PO/Reference
A408573	08/26/2004 12:05	EBA	

SourceResult

Metals by EPA 200 Series Methods - Quality Control

Analyte(s)	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch AH42707 - EPA 200 Series										
Blank (AH42707-BLK1)				Prepared: 08/27/04 Analyzed: 08/30/04						
Iron	ND	0.10	mg/l							
Manganese	ND	0.020	"							
Sodium	ND	1.0	"							
LCS (AH42707-BS1)				Prepared: 08/27/04 Analyzed: 08/30/04						
Iron	2.23	0.10	mg/l	2.00		112	85-115			
Manganese	0.212	0.020	"	0.200		106	85-115			
Sodium	10.2	1.0	"	10.0		102	85-115			
LCS Dup (AH42707-BSD1)				Prepared: 08/27/04 Analyzed: 08/30/04						
Iron	2.22	0.10	mg/l	2.00		111	85-115	0.449	20	
Manganese	0.213	0.020	"	0.200		106	85-115	0.471	20	
Sodium	10.4	1.0	"	10.0		104	85-115	1.94	20	
Duplicate (AH42707-DUP1)	Source: A408479-01			Prepared: 08/27/04 Analyzed: 08/30/04						
Iron	0.0449	0.10	mg/l		ND				20	
Manganese	0.0139	0.020	"		ND				20	
Sodium	13.0	1.0	"		13			0.00	20	
Matrix Spike (AH42707-MS1)	Source: A408479-01			Prepared: 08/27/04 Analyzed: 08/30/04						
Iron	2.32	0.10	mg/l	2.00	ND	114	70-130			
Manganese	0.229	0.020	"	0.200	ND	108	70-130			
Sodium	23.3	1.0	"	10.0	13	103	70-130			
Matrix Spike Dup (AH42707-MSD1)	Source: A408479-01			Prepared: 08/27/04 Analyzed: 08/30/04						
Iron	2.37	0.10	mg/l	2.00	ND	116	70-130	2.13	20	
Manganese	0.234	0.020	"	0.200	ND	110	70-130	2.16	20	
Sodium	23.1	1.0	"	10.0	13	101	70-130	0.862	20	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Sheri Speaks

Sheri L. Speaks
Project Manager

8/31/04

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CHEMICAL EXAMINATION REPORT

EBA Wastechnologies
825 Sonoma Ave. Suite C
Santa Rosa, CA 95404
Attn: David Noren

Report Date: 08/31/04 10:17
Project No: 03-1050
Project ID: Tolay Lake Project

Order Number	Receipt Date/Time	Client Code	Client PO/Reference
A408573	08/26/2004 12:05	EBA	

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

Analyte(s)	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch AH42707 - EPA 200 Series										
Duplicate (AH42707-DUP1)	**Source: A408479-01**		Prepared: 08/27/04 Analyzed: 08/30/04							
Hardness, Total	9.00	5	mg/l		8			11.8	200	

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Sheri Speaks

Sheri L. Speaks
Project Manager

8/31/04

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Report Date: 08/31/04 10:17
Project No: 03-1050
Project ID: Tolay Lake Project

Order Number	Receipt Date/Time	Client Code	Client PO/Reference
A408573	08/26/2004 12:05	EBA	

Anions by EPA Method 300.0 - Quality Control

Analyte(s)	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch AH42617 - General Preparation										
Blank (AH42617-BLK1)				Prepared & Analyzed: 08/26/04						
Nitrate as NO3	ND	1.0	mg/l							
LCS (AH42617-BS1)				Prepared & Analyzed: 08/26/04						
Nitrate as NO3	4.4	1.0	mg/l	4.43		99.3	90-110			
LCS Dup (AH42617-BSD1)				Prepared & Analyzed: 08/26/04						
Nitrate as NO3	4.4	1.0	mg/l	4.43		99.3	90-110	0.00	20	
Duplicate (AH42617-DUP1)	**Source: A408573-01**			Prepared & Analyzed: 08/26/04						
Nitrate as NO3	13	2.0	mg/l		13			0.00	200	
Matrix Spike (AH42617-MS1)	**Source: A408573-01**			Prepared & Analyzed: 08/26/04						
Nitrate as NO3	35	2.0	mg/l	22.2	13	99.1	80-120			
Matrix Spike Dup (AH42617-MSD1)	**Source: A408573-01**			Prepared & Analyzed: 08/26/04						
Nitrate as NO3	35	2.0	mg/l	22.2	13	99.1	80-120	0.00	20	

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Sheri Speaks

Sheri L. Speaks
Project Manager

8/31/04

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825 Sonoma Ave. Suite C
Santa Rosa, CA 95404
Attn: David Noren

Report Date: 08/31/04 10:17
Project No: 03-1050
Project ID: Tolay Lake Project

Order Number	Receipt Date/Time	Client Code	Client PO/Reference
A408573	08/26/2004 12:05	EBA	

Notes and Definitions

P	Present
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
PQL	Practical Quantitation Limit

WORK ORDER
CHAIN OF CUSTODY RECORD

alpha
Alpha Analytical Laboratories Inc. • 208 Mason Street, Ukiah, CA 95482 • (707) 468-0401 • FAX (707) 468-5267

DATE 8/25/04 PAGE 1 OF 1

CLIENT'S NAME: EBA Engineering
STREET ADDRESS: 825 Sonoma Ave, CITY: Santa Rosa, STATE: CA ZIP:
PROJECT NAME: Tolay Lake Project
CONTRACT/PURCHASE ORDER/QUOTE NUMBER: 03-1050
SIGNATURE OF PERSON AUTHORIZING WORK UNDER TERMS STATED ON REVERSE SIDE OF THIS FORM.

PROJECT MANAGER: David Noren
PHONE NUMBER: (707) 544-0784
FAX NUMBER: (707) 544-0866
SITE CONTACT: Marvin Cardoza
SAMPLED BY: David Noren

ANALYSES: TPH-d/ BTEX; Gen. Water Parameters; Total Fecal Coliforms; Nitrates

SAMPLE CONDITION ON RECEIPT: 9.2°C
COLD/ICED? yes
BUBBLES OR AIR SPACE? N/A
WERE SAMPLES PRESERVED? N/A

SAMPLE NUMBER/IDENTIFICATION	DATE	TIME	LAB SAMPLE NUMBER	LIQ	AIR	SOLID	COMP	GRAB	NO. OF CONTS.	TPH-d/ BTEX	Gen. Water Parameters	Total Fecal Coliforms	Nitrates		EXPLAIN IRREGULARITIES BELOW
B-1 @ 7.0'	8/25/04	1250				X		X	1	X					
B-2 @ 6.5'	↓	1345				↓		↓	↓	↓					
B-3 @ 6.0'	↓	1415				↓		↓	↓	↓					
B-4															
Water Tank	8/25/04	1030	A4085730-01	X				X	4		X	X	X		

		DATE	TIME
RELINQUISHED BY: (SIGNATURE) David Noren	RECEIVED BY: (SIGNATURE) T. Daly	8/26/04	1400
RELINQUISHED BY: (SIGNATURE) T. Daly (1205)	RECEIVED BY: (SIGNATURE) [signature]	8/26/04	1205
RELINQUISHED BY: (SIGNATURE)	RECEIVED FOR LABORATORY BY:		
METHOD OF SHIPMENT	AUTHORIZED BY:		

TURN AROUND TIME REQUESTED: 5 Days

SAMPLE CONTROL OFFICER

SPECIAL INSTRUCTIONS

DRIVING TIME | SITE TIME | TOTAL TIME

SAMPLE DESPOSITION:
1. STORAGE TIME REQUESTED ______ DAYS (SAMPLES WILL BE STORED FOR 30 DAYS WITHOUT ADDITIONAL CHARGES THEREAFTER STORAGE CHARGES WILL BE BILLED AT THE PUBLISHED RATES.
2. SAMPLE TO BE RETURNED TO CLIENT? ☐ YES ☐ NO

HAZARDOUS MATERIALS ARE THE PROPERTY OF THE CLIENT. THE CLIENT IS RESPONSIBLE FOR PROPER DISPOSAL OF HAZARDOUS WASTES. CLIENTS NOT PICKING UP HAZARDOUS WASTES MAY BE ASSESSED AN APPROPRIATE FEE

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02 September 2004

EBA Wastechnologies
Attn: David Noren
825 Sonoma Ave. Suite C
Santa Rosa, CA 95404
RE: Tolay Lake Project
Work Order: A408579

Enclosed are the results of analyses for samples received by the laboratory on 08/26/04 12:05. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Nena M. Burgess For Sheri L. Speaks
Project Manager

Alpha Analytical Laboratories Inc.
208 Mason Street, Ukiah, California 95482
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CHEMICAL EXAMINATION REPORT

EBA Wastechnologies
825 Sonoma Ave. Suite C
Santa Rosa, CA 95404
Attn: David Noren

Report Date: 09/02/04 15:10
Project No: 03-1050
Project ID: Tolay Lake Project

Order Number	Receipt Date/Time	Client Code	Client PO/Reference
A408579	08/26/2004 12:05	EBA	

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
B-1 @ 7.0'	A408579-01	Soil	08/25/04 12:50	08/26/04 12:05
B-2 @ 6.5'	A408579-02	Soil	08/25/04 12:45	08/26/04 12:05
B-3 @ 6.0'	A408579-03	Soil	08/25/04 14:15	08/26/04 12:05

Nena M. Burgess For Sheri L. Speaks
Project Manager

9/2/04

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CHEMICAL EXAMINATION REPORT

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825 Sonoma Ave. Suite C
Santa Rosa, CA 95404
Attn: David Noren

Report Date: 09/02/04 15:10
Project No: 03-1050
Project ID: Tolay Lake Project

Order Number	Receipt Date/Time	Client Code	Client PO/Reference
A408579	08/26/2004 12:05	EBA	

Alpha Analytical Laboratories, Inc.

	METHOD	BATCH	PREPARED	ANALYZED	DILUTION	RESULT		PQL	NOTE
B-1 @ 7.0' (A408579-01)			**Sample Type: Soil**			**Sampled: 08/25/04 12:50**			
TPH as Diesel and Motor Oil by EPA Method 8015 Modified									
TPH as Diesel	8015DRO	AH43010	08/30/04	08/30/04	1	ND mg/kg		1.0	
TPH as Motor Oil	"	"	"	"	"	ND "		2.0	
Surrogate: 1,4-Bromofluorobenzene	"	"	"	"		*79.1 %*	*20-152*		
TPH as Gasoline by GCFID/5030									
TPH as Gasoline	8015GRO	AI40206	09/01/04	09/01/04	1	ND mg/kg		1.0	
Surrogate: 1,4-Bromofluorobenzene	"	"	"	"		*84.5 %*	*60-156*		
BTEX by EPA Method 8260B									
Benzene	EPA 8260B	AH43002	08/26/04	08/28/04	1	ND mg/kg		0.0050	
Toluene	"	"	"	"	"	ND "		0.0050	
Ethylbenzene	"	"	"	"	"	ND "		0.0050	
Xylenes (total)	"	"	"	"	"	ND "		0.0050	
Surrogate: Dibromofluoromethane	"	"	"	"		*84.4 %*	*61-121*		
Surrogate: Toluene-d8	"	"	"	"		*90.8 %*	*63-113*		
Surrogate: Bromofluorobenzene	"	"	"	"		*82.4 %*	*52-103*		
B-2 @ 6.5' (A408579-02)			**Sample Type: Soil**			**Sampled: 08/25/04 12:45**			
TPH as Diesel and Motor Oil by EPA Method 8015 Modified									
TPH as Diesel	8015DRO	AH43010	08/30/04	08/31/04	1	ND mg/kg		1.0	
TPH as Motor Oil	"	"	"	"	"	**2.2** "		**2.0**	
Surrogate: 1,4-Bromofluorobenzene	"	"	"	"		*71.3 %*	*20-152*		

Nena M. Burgess For Sheri L. Speaks
Project Manager

9/2/04

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CHEMICAL EXAMINATION REPORT

EBA Wastechnologies
825 Sonoma Ave. Suite C
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Attn: David Noren

Report Date: 09/02/04 15:10
Project No: 03-1050
Project ID: Tolay Lake Project

Order Number	Receipt Date/Time	Client Code	Client PO/Reference
A408579	08/26/2004 12:05	EBA	

Alpha Analytical Laboratories, Inc.

	METHOD	BATCH	PREPARED	ANALYZED	DILUTION	RESULT		PQL	NOTE
B-2 @ 6.5' (A408579-02)			**Sample Type: Soil**			**Sampled: 08/25/04 12:45**			
TPH as Gasoline by GCFID/5030									
TPH as Gasoline	8015GRO	AI40206	09/01/04	09/01/04	1	ND mg/kg		1.0	
Surrogate: 1,4-Bromofluorobenzene	"	"	"	"		*98.5 %*	*60-156*		
BTEX by EPA Method 8260B									
Benzene	EPA 8260B	AH43002	08/26/04	08/28/04	1	ND mg/kg		0.0050	
Toluene	"	"	"	"	"	ND "		0.0050	
Ethylbenzene	"	"	"	"	"	ND "		0.0050	
Xylenes (total)	"	"	"	"	"	ND "		0.0050	
Surrogate: Dibromofluoromethane	"	"	"	"		*96.8 %*	*61-121*		
Surrogate: Toluene-d8	"	"	"	"		*97.6 %*	*63-113*		
Surrogate: Bromofluorobenzene	"	"	"	"		*88.0 %*	*52-103*		
B-3 @ 6.0' (A408579-03)			**Sample Type: Soil**			**Sampled: 08/25/04 14:15**			
TPH as Diesel and Motor Oil by EPA Method 8015 Modified									
TPH as Diesel	8015DRO	AH43010	08/30/04	08/31/04	1	ND mg/kg		1.0	
TPH as Motor Oil	"	"	"	"	"	ND "		2.0	
Surrogate: 1,4-Bromofluorobenzene	"	"	"	"		*78.4 %*	*20-152*		
TPH as Gasoline by GCFID/5030									
TPH as Gasoline	8015GRO	AI40206	09/01/04	09/01/04	1	ND mg/kg		1.0	
Surrogate: 1,4-Bromofluorobenzene	"	"	"	"		*94.5 %*	*60-156*		

Nena M. Burgess For Sheri L. Speaks
Project Manager

9/2/04

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Project ID: Tolay Lake Project

Order Number	Receipt Date/Time	Client Code	Client PO/Reference
A408579	08/26/2004 12:05	EBA	

Alpha Analytical Laboratories, Inc.

	METHOD	BATCH	PREPARED	ANALYZED	DILUTION	RESULT		PQL	NOTE
B-3 @ 6.0' (A408579-03)			**Sample Type: Soil**			**Sampled: 08/25/04 14:15**			
BTEX by EPA Method 8260B									
Benzene	EPA 8260B	AH43002	08/26/04	08/28/04	1	ND mg/kg		0.0050	
Toluene	"	"	"	"	"	ND "		0.0050	
Ethylbenzene	"	"	"	"	"	ND "		0.0050	
Xylenes (total)	"	"	"	"	"	ND "		0.0050	
Surrogate: Dibromofluoromethane	"	"	"	"		*86.2 %*	*61-121*		
Surrogate: Toluene-d8	"	"	"	"		*90.0 %*	*63-113*		
Surrogate: Bromofluorobenzene	"	"	"	"		*82.8 %*	*52-103*		

Nena M. Burgess For Sheri L. Speaks
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Project No: 03-1050
Project ID: Tolay Lake Project

Order Number	Receipt Date/Time	Client Code	Client PO/Reference
A408579	08/26/2004 12:05	EBA	

SourceResult

TPH as Diesel and Motor Oil by EPA Method 8015 Modified - Quality Control

Analyte(s)	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch AH43010 - CA LUFT - orb shaker										
Blank (AH43010-BLK1)				Prepared & Analyzed: 08/30/04						
Surrogate: 1,4-Bromofluorobenzene	*10.1*		*mg/kg*	*13.9*		*72.7*	*20-152*			
TPH as Diesel	ND	1.0	"							
TPH as Motor Oil	ND	2.0	"							
LCS (AH43010-BS1)				Prepared & Analyzed: 08/30/04						
Surrogate: 1,4-Bromofluorobenzene	*12.1*		*mg/kg*	*13.9*		*87.1*	*20-152*			
TPH as Diesel	33.1	1.0	"	41.2		80.3	63-126			
TPH as Motor Oil	34.2	2.0	"	39.8		85.9	57-139			
Matrix Spike (AH43010-MS1)	**Source: A408423-01**			Prepared & Analyzed: 08/30/04						
Surrogate: 1,4-Bromofluorobenzene	*11.4*		*mg/kg*	*13.9*		*82.0*	*20-152*			
TPH as Diesel	31.7	1.0	"	41.2	ND	76.9	61-134			
TPH as Motor Oil	32.3	2.0	"	39.8	ND	81.2	61-126			
Matrix Spike Dup (AH43010-MSD1)	**Source: A408423-01**			Prepared & Analyzed: 08/30/04						
Surrogate: 1,4-Bromofluorobenzene	*13.0*		*mg/kg*	*13.9*		*93.5*	*20-152*			
TPH as Diesel	34.9	1.0	"	41.2	ND	84.7	61-134	9.61	20	
TPH as Motor Oil	35.3	2.0	"	39.8	ND	88.7	61-126	8.88	20	

Nena M. Burgess For Sheri L. Speaks
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Project ID: Tolay Lake Project

Order Number	Receipt Date/Time	Client Code	Client PO/Reference
A408579	08/26/2004 12:05	EBA	

TPH as Gasoline by GCFID/5030 - Quality Control

Analyte(s)	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch AI40206 - EPA 5030 Soil GC										
Blank (AI40206-BLK1)				Prepared & Analyzed: 09/01/04						
Surrogate: 1,4-Bromofluorobenzene	*3.81*		*mg/kg*	*4.00*		*95.2*	*60-156*			
TPH as Gasoline	ND	1.0	"							
LCS (AI40206-BS1)				Prepared & Analyzed: 09/01/04						
Surrogate: 1,4-Bromofluorobenzene	*3.86*		*mg/kg*	*4.00*		*96.5*	*60-156*			
TPH as Gasoline	24.5	1.0	"	22.2		110	77-139			
LCS Dup (AI40206-BSD1)				Prepared & Analyzed: 09/01/04						
Surrogate: 1,4-Bromofluorobenzene	*3.84*		*mg/kg*	*4.00*		*96.0*	*60-156*			
TPH as Gasoline	21.7	1.0	"	22.2		97.7	77-139	12.1	20	

Nena M. Burgess For Sheri L. Speaks
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Report Date: 09/02/04 15:10
Project No: 03-1050
Project ID: Tolay Lake Project

Order Number	Receipt Date/Time	Client Code	Client PO/Reference
A408579	08/26/2004 12:05	EBA	

BTEX by EPA Method 8260B - Quality Control

Analyte(s)	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch AH43002 - EPA 5035 GCMS										
Blank (AH43002-BLK1)				Prepared: 08/26/04 Analyzed: 08/27/04						
Surrogate: Dibromofluoromethane	*0.0250*		*mg/kg*	*0.0250*		*100*	*61-121*			
Surrogate: Toluene-d8	*0.0218*		"	*0.0250*		*87.2*	*63-113*			
Surrogate: Bromofluorobenzene	*0.0223*		"	*0.0250*		*89.2*	*52-103*			
Benzene	ND	0.0050	"							
Toluene	ND	0.0050	"							
Ethylbenzene	ND	0.0050	"							
Xylenes (total)	ND	0.0050	"							
LCS (AH43002-BS1)				Prepared: 08/26/04 Analyzed: 08/27/04						
Surrogate: Dibromofluoromethane	*0.0211*		*mg/kg*	*0.0250*		*84.4*	*61-121*			
Surrogate: Toluene-d8	*0.0224*		"	*0.0250*		*89.6*	*63-113*			
Surrogate: Bromofluorobenzene	*0.0226*		"	*0.0250*		*90.4*	*52-103*			
Benzene	0.00469	0.0050	"	0.00500		93.8	72-123			
Toluene	0.00463	0.0050	"	0.00500		92.6	72-126			
Ethylbenzene	0.00460	0.0050	"	0.00500		92.0	71-125			
Xylenes (total)	0.0144	0.0050	"	0.0150		96.0	67-127			
LCS Dup (AH43002-BSD1)				Prepared: 08/26/04 Analyzed: 08/27/04						
Surrogate: Dibromofluoromethane	*0.0222*		*mg/kg*	*0.0250*		*88.8*	*61-121*			
Surrogate: Toluene-d8	*0.0220*		"	*0.0250*		*88.0*	*63-113*			
Surrogate: Bromofluorobenzene	*0.0223*		"	*0.0250*		*89.2*	*52-103*			
Benzene	0.00467	0.0050	"	0.00500		93.4	72-123	0.427	25	
Toluene	0.00479	0.0050	"	0.00500		95.8	72-126	3.40	25	
Ethylbenzene	0.00460	0.0050	"	0.00500		92.0	71-125	0.00	25	
Xylenes (total)	0.0147	0.0050	"	0.0150		98.0	67-127	2.06	25	

Nena M. Burgess For Sheri L. Speaks
Project Manager

9/2/04

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Attn: David Noren

Report Date: 09/02/04 15:10
Project No: 03-1050
Project ID: Tolay Lake Project

Order Number	Receipt Date/Time	Client Code	Client PO/Reference
A408579	08/26/2004 12:05	EBA	

BTEX by EPA Method 8260B - Quality Control

Analyte(s)	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch AH43002 - EPA 5035 GCMS										
Matrix Spike (AH43002-MS1)	**Source: A408468-03**		Prepared: 08/26/04 Analyzed: 08/27/04							
Surrogate: Dibromofluoromethane	*0.0212*		*mg/kg*	*0.0250*		*84.8*	*61-121*			
Surrogate: Toluene-d8	*0.0222*		"	*0.0250*		*88.8*	*63-113*			
Surrogate: Bromofluorobenzene	*0.0217*		"	*0.0250*		*86.8*	*52-103*			
Benzene	0.00481	0.0050	"	0.00500	ND	96.2	49-137			
Toluene	0.00495	0.0050	"	0.00500	ND	99.0	50-148			
Ethylbenzene	0.00457	0.0050	"	0.00500	ND	91.4	55-138			
Xylenes (total)	0.0142	0.0050	"	0.0150	ND	94.7	54-139			

Nena M. Burgess For Sheri L. Speaks
Project Manager

9/2/04

Alpha Analytical Laboratories Inc.
208 Mason Street, Ukiah, California 95482
e-mail: clientservices@alpha-labs.com • Phone: (707) 468-0401 • Fax: (707) 468-5267

CHEMICAL EXAMINATION REPORT

EBA Wastechnologies
825 Sonoma Ave. Suite C
Santa Rosa, CA 95404
Attn: David Noren

Report Date: 09/02/04 15:10
Project No: 03-1050
Project ID: Tolay Lake Project

Order Number	Receipt Date/Time	Client Code	Client PO/Reference
A408579	08/26/2004 12:05	EBA	

Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
PQL	Practical Quantitation Limit

WORK ORDER
CHAIN OF CUSTODY RECORD

Alpha

Alpha Analytical Laboratories Inc. • 208 Mason Street, Ukiah, CA 95482 • (707) 468-0401 • FAX (707) 468-5267

DATE 8/25/04 PAGE 1 OF 1

CLIENT'S NAME: EBA Engineering
STREET ADDRESS / CITY / STATE / ZIP: 825 Sonoma Ave, Santa Rosa, CA
PROJECT NAME: Tolay Lake Project
CONTRACT/PURCHASE ORDER/QUOTE NUMBER: 03-1050
SIGNATURE OF PERSON AUTHORIZING WORK UNDER TERMS STATED ON REVERSE SIDE OF THIS FORM.

PROJECT MANAGER: David Noren
PHONE NUMBER: (707) 544-0784
FAX NUMBER: (707) 544-0866
SITE CONTACT: Marvin Cardoza
SAMPLED BY: David Noren

ANALYSES: TPH-all BTEX; Atrazine/Glyco Pesticides; Total/Fecal Coliforms; Nitrates

SAMPLE CONDITION ON RECEIPT: 9.2°C
COLD/ICED? yes
BUBBLES OR AIR SPACE? N/A
WERE SAMPLES PRESERVED? N/A

SAMPLE NUMBER/IDENTIFICATION	DATE	TIME	LAB SAMPLE NUMBER	LIQ	AIR	SOLID	COMP	GRAB	NO. OF CONTS.	TPH-all BTEX	Atrazine/Glyco Pesticides	Total/Fecal Coliforms	Nitrates		EXPLAIN IRREGULARITIES BELOW
B-1 @ 7.0'	8/25/04	1250				X		X	1	X					
B-2 @ 6.5'	↓	1045				↓		↓	↓	↓					
B-3 @ 6.0'	↓	1415				↓		↓	↓	↓					
B-4															
Water Tank	8/25/04	1320		X				X	4		X	X	X		

RELINQUISHED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	DATE	TIME
David Noren	[signature] Daly	8/26/04	1000
[signature] Daly (1205)	[signature]	8/26/04	1205
	RECEIVED FOR LABORATORY BY:		

TURN AROUND TIME REQUESTED: 5 Days

SAMPLE CONTROL OFFICER

METHOD OF SHIPMENT

AUTHORIZED BY:

SPECIAL INSTRUCTIONS

DRIVING TIME | SITE TIME | TOTAL TIME

SAMPLE DESPOSITION:
1. STORAGE TIME REQUESTED ______ DAYS (SAMPLES WILL BE STORED FOR 30 DAYS WITHOUT ADDITIONAL CHARGES: THEREAFTER STORAGE CHARGES WILL BE BILLED AT THE PUBLISHED RATES.)
2. SAMPLE TO BE RETURNED TO CLIENT? ☐ YES ☐ NO

HAZARDOUS MATERIALS ARE THE PROPERTY OF THE CLIENT. THE CLIENT IS RESPONSIBLE FOR PROPER DISPOSAL OF HAZARDOUS WASTES. CLIENTS NOT PICKING UP HAZARDOUS WASTES MAY BE ASSESSED AN APPROPRIATE FEE.

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02 September 2004

EBA Wastechnologies
Attn: David Noren
825 Sonoma Ave. Suite C
Santa Rosa, CA 95404
RE: Tolay Lake Project
Work Order: A408571

Enclosed are the results of analyses for samples received by the laboratory on 08/26/04 12:05. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Karen A. Daly For Sheri L. Speaks
Project Manager

Alpha Analytical Laboratories Inc.
208 Mason St. Ukiah, California 95482
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CHEMICAL EXAMINATION REPORT

EBA Wastechnologies
825 Sonoma Ave. Suite C
Santa Rosa, CA 95404
Attn: David Noren

Report Date: 09/02/04 10:36
Project No: 03-1050
Project ID: Tolay Lake Project

Order Number	Receipt Date/Time	Client Code	Client PO/Reference
A408571	08/26/2004 12:05	EBA	

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
S-1	A408571-01	Soil	08/25/04 12:15	08/26/04 12:05
S-2	A408571-02	Soil	08/25/04 12:20	08/26/04 12:05
S-3	A408571-03	Soil	08/25/04 12:03	08/26/04 12:05
S-4	A408571-04	Soil	08/25/04 12:28	08/26/04 12:05
S-5	A408571-05	Soil	08/25/04 12:30	08/26/04 12:05
S-6	A408571-06	Soil	08/25/04 12:35	08/26/04 12:05
S-7	A408571-07	Soil	08/25/04 12:38	08/26/04 12:05
S-8	A408571-08	Soil	08/25/04 12:40	08/26/04 12:05
S-9-B	A408571-09	Soil	08/25/04 12:50	08/26/04 12:05

Karen A. Daly For Sheri L. Speaks
Project Manager

9/2/2004

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CHEMICAL EXAMINATION REPORT

EBA Wastechnologies
825 Sonoma Ave. Suite C
Santa Rosa, CA 95404
Attn: David Noren

Report Date: 09/02/04 10:36
Project No: 03-1050
Project ID: Tolay Lake Project

Order Number	Receipt Date/Time	Client Code	Client PO/Reference
A408571	08/26/2004 12:05	EBA	

Alpha Analytical Laboratories, Inc.

	METHOD	BATCH	PREPARED	ANALYZED	DILUTION	RESULT	POL	NOTE
S-1 (A408571-01)			**Sample Type: Soil**			**Sampled: 08/25/04 12:15**		
Metals by EPA 6000/7000 Series Methods								
Lead	EPA 6010	AH42701	08/27/04	08/31/04	1	**16 mg/kg**	**5.0**	
S-2 (A408571-02)			**Sample Type: Soil**			**Sampled: 08/25/04 12:20**		
Metals by EPA 6000/7000 Series Methods								
Lead	EPA 6010	AH42701	08/27/04	08/31/04	1	**16 mg/kg**	**5.0**	
S-3 (A408571-03)			**Sample Type: Soil**			**Sampled: 08/25/04 12:03**		
Metals by EPA 6000/7000 Series Methods								
Lead	EPA 6010	AH42701	08/27/04	08/31/04	1	**14 mg/kg**	**5.0**	
S-4 (A408571-04)			**Sample Type: Soil**			**Sampled: 08/25/04 12:28**		
Metals by EPA 6000/7000 Series Methods								
Lead	EPA 6010	AH42701	08/27/04	08/31/04	1	**20 mg/kg**	**5.0**	
S-5 (A408571-05)			**Sample Type: Soil**			**Sampled: 08/25/04 12:30**		
Metals by EPA 6000/7000 Series Methods								
Lead	EPA 6010	AH42701	08/27/04	08/31/04	1	**11 mg/kg**	**5.0**	
S-6 (A408571-06)			**Sample Type: Soil**			**Sampled: 08/25/04 12:35**		
Metals by EPA 6000/7000 Series Methods								
Lead	EPA 6010	AH42701	08/27/04	08/31/04	1	**17 mg/kg**	**5.0**	
S-7 (A408571-07)			**Sample Type: Soil**			**Sampled: 08/25/04 12:38**		
Metals by EPA 6000/7000 Series Methods								
Lead	EPA 6010	AH42701	08/27/04	08/31/04	1	**19 mg/kg**	**5.0**	
S-8 (A408571-08)			**Sample Type: Soil**			**Sampled: 08/25/04 12:40**		
Metals by EPA 6000/7000 Series Methods								
Lead	EPA 6010	AH42701	08/27/04	08/31/04	1	**15 mg/kg**	**5.0**	
S-9-B (A408571-09)			**Sample Type: Soil**			**Sampled: 08/25/04 12:50**		

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Karen A. Daly For Sheri L. Speaks
Project Manager

9/2/2004

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CHEMICAL EXAMINATION REPORT

EBA Wastechnologies
825 Sonoma Ave. Suite C
Santa Rosa, CA 95404
Attn: David Noren

Report Date: 09/02/04 10:36
Project No: 03-1050
Project ID: Tolay Lake Project

Order Number	Receipt Date/Time	Client Code	Client PO/Reference
A408571	08/26/2004 12:05	EBA	

Alpha Analytical Laboratories, Inc.

	METHOD	BATCH	PREPARED	ANALYZED	DILUTION	RESULT	POL	NOTE
S-9-B (A408571-09)			**Sample Type: Soil**			**Sampled: 08/25/04 12:50**		
Metals by EPA 6000/7000 Series Methods								
Lead	EPA 6010	AH42701	08/27/04	08/31/04	1	**9.0 mg/kg**	**5.0**	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Karen A. Daly For Sheri L. Speaks
Project Manager

9/2/2004

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CHEMICAL EXAMINATION REPORT

EBA Wastechnologies
825 Sonoma Ave. Suite C
Santa Rosa, CA 95404
Attn: David Noren

Report Date: 09/02/04 10:36
Project No: 03-1050
Project ID: Tolay Lake Project

Order Number	Receipt Date/Time	Client Code	Client PO/Reference
A408571	08/26/2004 12:05	EBA	

Metals by EPA 6000/7000 Series Methods - Quality Control

Analyte(s)	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch AH42701 - EPA 3051 Microwave										
Blank (AH42701-BLK1)				Prepared: 08/27/04 Analyzed: 08/31/04						
Lead	ND	5.0	mg/kg							
LCS (AH42701-BS1)				Prepared: 08/27/04 Analyzed: 08/31/04						
Lead	21.3	5.0	mg/kg	20.0		106	85-115			
LCS Dup (AH42701-BSD1)				Prepared: 08/27/04 Analyzed: 08/31/04						
Lead	20.4	5.0	mg/kg	20.0		102	85-115	4.32	20	
Duplicate (AH42701-DUP1)		Source: A408571-01		Prepared: 08/27/04 Analyzed: 08/31/04						
Lead	16.7	5.0	mg/kg		16			4.28	20	
Matrix Spike (AH42701-MS1)		Source: A408571-01		Prepared: 08/27/04 Analyzed: 08/31/04						
Lead	35.6	5.0	mg/kg	20.0	16	98.0	70-130			
Matrix Spike Dup (AH42701-MSD1)		Source: A408571-01		Prepared: 08/27/04 Analyzed: 08/31/04						
Lead	34.6	5.0	mg/kg	20.0	16	93.0	70-130	2.85	20	

Karen A. Daly For Sheri L. Speaks
Project Manager

9/2/2004

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CHEMICAL EXAMINATION REPORT

EBA Wastechnologies
825 Sonoma Ave. Suite C
Santa Rosa, CA 95404
Attn: David Noren

Report Date: 09/02/04 10:36
Project No: 03-1050
Project ID: Tolay Lake Project

Order Number	Receipt Date/Time	Client Code	Client PO/Reference
A408571	08/26/2004 12:05	EBA	

Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
PQL	Practical Quantitation Limit

WORK ORDER
CHAIN OF CUSTODY RECORD

Alpha

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DATE 8/25/04 PAGE 1 OF 1

CLIENT'S NAME: EPA Engineering	PROJECT MANAGER: David Noreen
STREET ADDRESS: 825 Sonoma Ave, SR, CA	CITY / STATE / ZIP
PHONE NUMBER: (707) 544-0784	
PROJECT NAME: Tolay Lake Project	FAX NUMBER: (707) 544-0866
CONTRACT/PURCHASE ORDER/QUOTE NUMBER: 03-1050	SITE CONTACT: Warren Cardoza
SIGNATURE OF PERSON AUTHORIZING WORK UNDER TERMS STATED ON REVERSE SIDE OF THIS FORM.	SAMPLED BY: David Noreen

ANALYSES

SAMPLE CONDITION ON RECEIPT: 7.2°C

COLD/ICED? yes

BUBBLES OR AIR SPACE? N/A

WERE SAMPLES PRESERVED? N/A

SAMPLE NUMBER/IDENTIFICATION	DATE	TIME	LAB SAMPLE NUMBER	SAMPLE TYPE: LIQ	AIR	SOLID	COMP	GRAB	NO. OF CONTS.	Total Lead	EXPLAIN IRREGULARITIES BELOW
S-1	8/25/04	1215	AU08571-01			X		X	X	X	
S-2		1220	02								
S-3		1223	03								
S-4		1228	04								
S-5		1230	05								
S-6		1235	06								
S-7		1238	07								
S-8		1240	08								
S-9-B		1250	09								

RELINQUISHED BY: (SIGNATURE) David Noreen	RECEIVED BY: (SIGNATURE) Z Daly	DATE 8/26/04	TIME 1000
RELINQUISHED BY: (SIGNATURE) Z Daly (1205)	RECEIVED BY: (SIGNATURE) B Ward	DATE 8/26/04	TIME 1205
RELINQUISHED BY: (SIGNATURE)	RECEIVED FOR LABORATORY BY:	SAMPLE CONTROL OFFICER	

TURN AROUND TIME REQUESTED

5 Day

METHOD OF SHIPMENT

AUTHORIZED BY:

SPECIAL INSTRUCTIONS

DRIVING TIME | SITE TIME | TOTAL TIME

SAMPLE DESPOSITION:

1. STORAGE TIME REQUESTED _____ DAYS (SAMPLES WILL BE STORED FOR 30 DAYS WITHOUT ADDITIONAL CHARGES; THEREAFTER STORAGE CHARGES WILL BE BILLED AT THE PUBLISHED RATES.)
2. SAMPLE TO BE RETURNED TO CLIENT? ☐ YES ☐ NO

HAZARDOUS MATERIALS ARE THE PROPERTY OF THE CLIENT. THE CLIENT IS RESPONSIBLE FOR PROPER DISPOSAL OF HAZARDOUS WASTES. CLIENTS NOT PICKING UP HAZARDOUS WASTES MAY BE ASSESSED AN APPROPRIATE FEE.