

February 23, 2004

Mr. Bob Snodgrass Alameda County Fire Department 835 E 14th St San Leandro, California 94577

Subject:

Limited Subsurface Investigation Report, Alameda County Fire Department Station #4, 20336 San Miguel Avenue, Castro Valley, California

Mr. Snodgrass:

This report presents the results of a limited subsurface investigation performed by Gettler-Ryan Inc. (GR) at the above referenced site. The purpose of this work is to delineate the vertical and horizontal extent of soil contamination and to determine if groundwater beneath the subject site has been impacted. The scope of work performed during this investigation was originally proposed in GR's Work Plan for Limited Subsurface Investigation, dated December 2, 2003, and approved by the Alameda County Environmental Health Services in a letter dated December 5, 2003. The scope of work performed included: preparing a site safety plan; obtaining a drilling permit from the Alameda County Public Works Agency-Water Resources Section (ACPWA); advancing four soil borings; collecting soil samples and grab groundwater samples from the soil borings; analyzing soil and grab groundwater samples; and preparing a report documenting the work performed.

SITE DESCRIPTION

The subject site is a fire station located at 20366 San Miguel Avenue in Castro Valley, California (Figure 1). According to information provided by Alameda County Fire Department (ACFD), a single abandoned in place 1,000-gallon diesel underground storage tank (UST) is located to the east of the fire station building. Pertinent site features and the location of the abandoned UST are shown on Figures 2 and 3.

The site is situated at approximately 180 feet above mean sea level on relatively flat topography. The closest surface water is an unnamed creek, which is located 2,640 feet east of the site. San Lorenzo Creek is located approximately 6,864 feet east of the site. Based on the topography, the regional groundwater flow direction is inferred to be to the southwest.

948207.01

PREVIOUS ENVIROMENTAL WORK

On February 13, 2003, Frye Environmental Inc. (Frye) advanced one soil boring near the 1,000-gallon diesel UST (Figure 3). One soil sample, labeled San Miguel, was collected from the soil boring and analyzed for Total Petroleum Hydrocarbon as gasoline (TPHg), Total Petroleum Hydrocarbon as diesel (TPHd), benzene, toluene, ethylbenzene, and total xylenes (BTEX), methyl tert-butyl ether (MtBE), ethyl tert-butyl ether (ETBE), di-isopropyl ether (DIPE), tert amyl methyl ether (TAME), and tert butyl alcohol (TBA). TPHg and TPHd were detected in the soil sample San Miguel at concentrations of 330 and 90 parts per million (ppm), respectively.

On May 9, 2003, Ecology Control Industries rinsed and pressure washed the UST in preparation for abandoning it in place. On May 19, 2003, R.L. Stevens Company abandoned the UST in place by filling it with concrete slurry. The tank was filled to sub grade with slurry and all caps and tank fittings were removed. Concrete was placed over the excavated areas to finish to grade. The dispensers were removed and the concrete openings were filled with concrete to finish to grade. All tank vent risers were cut off flush with grade and concrete was placed to finish to grade.

FIELD ACTIVITES

To delineate the vertical and horizontal extent of soil contamination and to determine if groundwater beneath the subject site has been impacted, GR supervised the advancement of four soil borings. Field work was performed in accordance with GR's Site Safety Plan dated January 5, 2003. A copy of GR Field Methods and Procedures is attached. Copy of permit No. W03-1170 from ACPWA is attached. Underground Service Alert was notified 48 hours prior to beginning site activities. The soil borings were advanced by Vironex Environmental Field Services (C57 #705925).

Soil borings B-1 through B-4 were advanced on January 6, 2004. Soil borings B-1, B-2 and B-4 were advanced to a depth of approximately 16 feet bgs. Soil boring B-3 was advanced to depth of approximately 15 feet bgs. Soil borings were advanced using 2-inch diameter Geoprobe direct push technology. Groundwater was encountered in the borings at depths between 6.5 and 15 feet bgs. Soil borings were continuously logged for description and preparation of a log, with soil samples collected at five-foot intervals for possible chemical analysis. Grab groundwater samples were collected from each boring for chemical analysis. Copies of boring logs are attached. Locations of the soil borings are shown on Figure 2.

The borings were abandoned by grouting with neat cement containing 5% bentonite powder to one foot below surface grade. The top one-foot of each boring was backfilled with native material. Since the soil borings were advanced using Geoprobe direct push technology, no soil cuttings or steam cleaning rinsate water was generated during this investigation.

A total of eight soil samples and four grab groundwater samples from the soil borings were submitted under chain-of-custody for chemical analysis. Chemical analyses were performed by Kiff Analytical (ELAP #2236). Copies of the laboratory report and chain-of-custody forms are attached. Soil and groundwater chemical analytical data are summarized in Tables 1 and 2.

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Soil and grab groundwater samples were analyzed for TPHg, BTEX, and MtBE by EPA Method 8260B, for TPHd by EPA Method 8015 Modified and selected samples for TPHd (Si-gel) by EPA Method 8015 Modified.

RESULTS AND CONCLUSIONS

Soil samples collected from borings B-1 through B-4 and analyzed for TPHg, TPHd, BTEX and MtBE were below laboratory method detection limits for each constituent. Grab groundwater samples collected from borings B-1 through B-4 were below laboratory method detection limits for TPHg, benzene, and MtBE. Grab groundwater samples collected from boring B-1 and B-3 contained TPHd at concentrations of 110 parts per billion (ppb) and 72 ppb, respectively. Groundwater samples B-1 and B-3 containing detectable TPHd concentrations were reanalyzed using TPHd silica gel cleanup analysis. The reanalyzed results for samples B-1 and B-3 (85 ppb and less than 50 ppb, respectively) were lower than the pre-silica gel cleanup results (118 ppb and 72 ppb).

Based upon the results of this limited subsurface investigation, soil contamination in the vicinity of the former diesel UST has been delineated laterally and vertically. All four grab groundwater samples did not contain detectable concentrations of TPHg, benzene or MtBE. Two of the four grab groundwater samples contained detectable concentration of TPHd. After TPHd silica gel cleanup analysis, one grab groundwater sample was below the laboratory method detection limit and the other sample was slightly above the detection limit.

If you have any questions, please call us in our Sacramento office at (916) 631-1300.

Sincerely,

Gettler-Ryan Inc.

Project Geologist

Robert A. Lauritzen

Senior Geologist, R.G. 7504

No. 750

Attachments: Table 1. Soil Chemical Analytical Results

Table 2. Groundwater Chemical Analytical Results

Figure 1. Vicinity Map Figure 2. Site Plan

Figure 3. Site Plan – Detail Map GR Field Methods and Procedures

Drilling Permit Boring Logs

Analytical Reports and Chain of Custody Form

CC: Ms. Eva Chu, Alameda County Health Care Services Agency-Environmental Health Department, 1131 Harbor Bay Parkway, Suite 250, Alameda, California 94502

Table 1 Soil Chemical Analytical Results Alamada County Fire Department Station #4 20336 San Miguel Avenue Castro Valley, California

| Sample | Sample | Sample | TPHg | TPHd | В | T | E | X | MtBE |
|--------|------------|--------|-------|-------|----------|----------|----------|----------|----------|
| ID | Depth (ft) | Date | (ppm) | (ppm) | (ppm) | (ppm) | (ppm) | (ppm) | (ppm) |
| | | | | | | | | | |
| B1-10 | 10 | 1/6/04 | <1.0 | <1.0 | <0.0050 | < 0.0050 | < 0.0050 | < 0.0050 | < 0.0050 |
| B1-16 | 16 | 1/6/04 | <1.0 | <1.0 | < 0.0050 | < 0.0050 | < 0.0050 | < 0.0050 | < 0.0050 |
| | | | | | | | | | |
| B2-10 | 10 | 1/6/04 | <1.0 | <1.0 | < 0.0050 | < 0.0050 | < 0.0050 | < 0.0050 | < 0.0050 |
| B2-16 | 16 | 1/6/04 | <1.0 | <1.0 | < 0.0050 | < 0.0050 | < 0.0050 | < 0.0050 | < 0.0050 |
| | | | | | | | | | |
| B3-10 | 10 | 1/6/04 | <1.0 | <1.0 | < 0.0050 | < 0.0050 | < 0.0050 | < 0.0050 | < 0.0050 |
| B3-15 | 15 | 1/6/04 | <1.0 | <1.0 | < 0.0050 | < 0.0050 | < 0.0050 | < 0.0050 | < 0.0050 |
| | | | | | | | | | |
| B4-10 | 10 | 1/6/04 | <1.0 | <1.0 | < 0.0050 | < 0.0050 | < 0.0050 | < 0.0050 | < 0.0050 |
| B4-16 | 16 | 1/6/04 | <1.0 | <1.0 | < 0.0050 | < 0.0050 | < 0.0050 | < 0.0050 | < 0.0050 |
| | | | | | | | | | |

Explanation:

ft = feet

ppm = parts per million

NA = Not Analyzed

TPHg = Total Petroleum Hydrocarbons as gasoline

TPHd = Total Petroleum Hydrocarbons as diesel

B = Benzene

T = Toluene

E = Ethylbenzene

X = Total xylenes

MtBE = Methyl tert-butyl ether

Analytical Laboratory:

Kiff Analytical LLC (ELAP# 2236)

Analytical Methods:

TPHg/BTEX/MtBE by EPA Method 8260B TPHd by EPA Method 8015 Modified

Table 2
Groundwater Chemical Analytical Results
Alamada County Fire Department Station #4
20336 San Miguel Avenue
Castro Valley, California

| Sample ID | Sample Date | TPHg (ppb) | TPHd (ppb) | B (ppb) | T (ppb) | E (ppb) | X (ppb) | MtBE (ppb) |
|--------------|----------------|---------------|---------------------|------------|------------|------------|------------|---------------|
| B-1 | 1/6/04 | <50 | 110/85 ¹ | <0.50 | 0.53 | <0.50 | 0.56 | <5.0 |
| B-2 | 1/6/04 | <50 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <5.0 |
| B-3 | 1/6/04 | <50 | 72/<50 ¹ | <0.50 | <0.50 | <0.50 | 0.56 | <5.0 |
| B-4 | 1/6/04 | <50 | <50 | <0.50 | <0.50 | <0.50 | 0.51 | <5.0 |

Explanation:

ft = feet

ppb = parts per billion

NA = Not Analyzed

TPHg ≈ Total Petroleum Hydrocarbons as gasoline

TPHd = Total Petroleum Hydrocarbons as diesel

B = Benzene

T = Toluene

E = Ethylbenzene

X = Total xylenes

MtBE = Methyl tert-butyl ether

Analytical Laboratory:

Kiff Analytical LLC (ELAP# 2236)

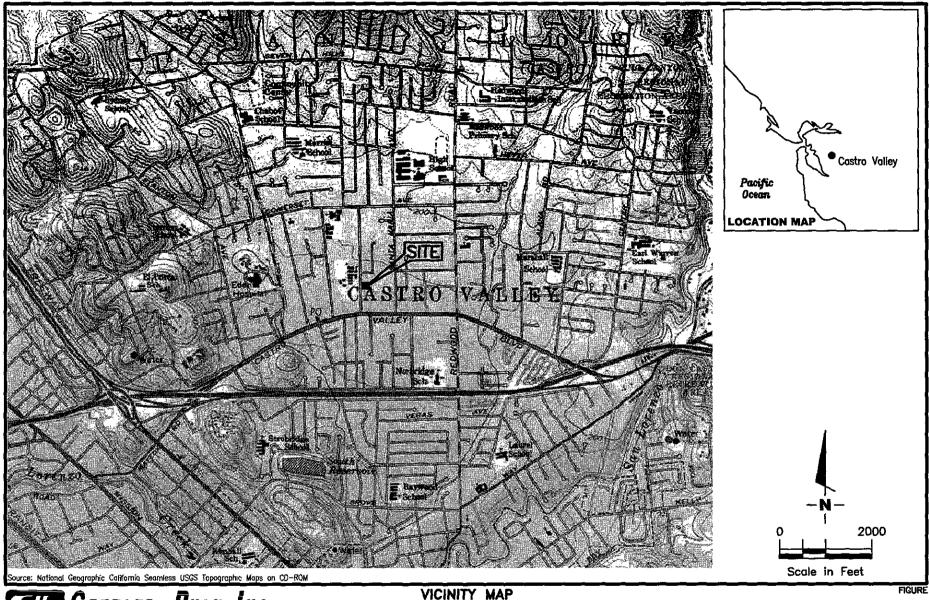
Analytical Methods:

TPHg/BTEX/MtBE by EPA Method 8260B

TPHd by EPA Method 8015 Modified

Notes:

¹Result after silica gel cleanup





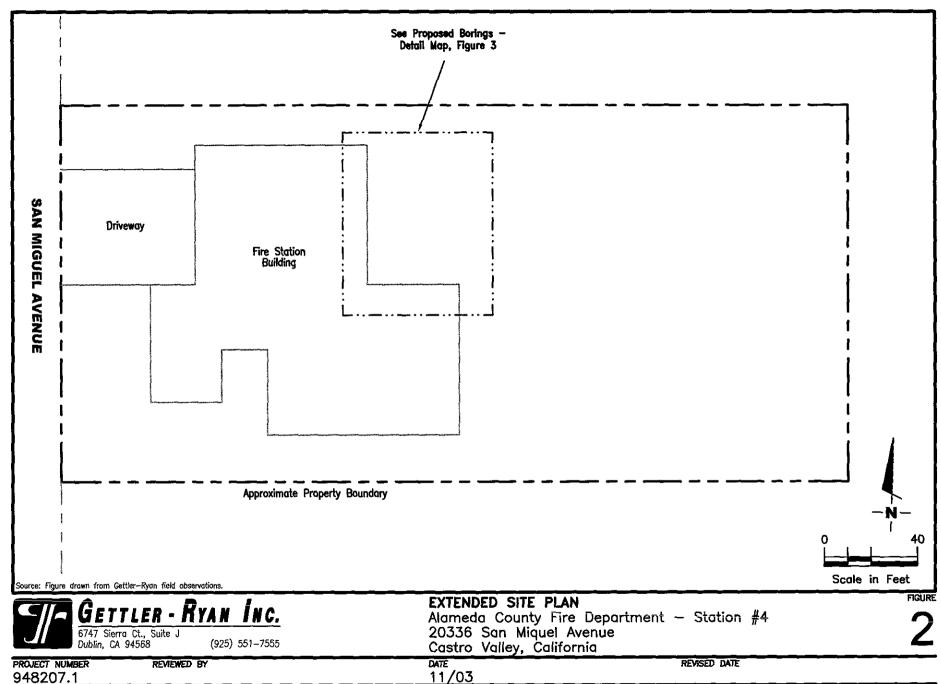
Alameda County Fire Department — Station #4 20336 San Miquel Avenue Castro Valley, California

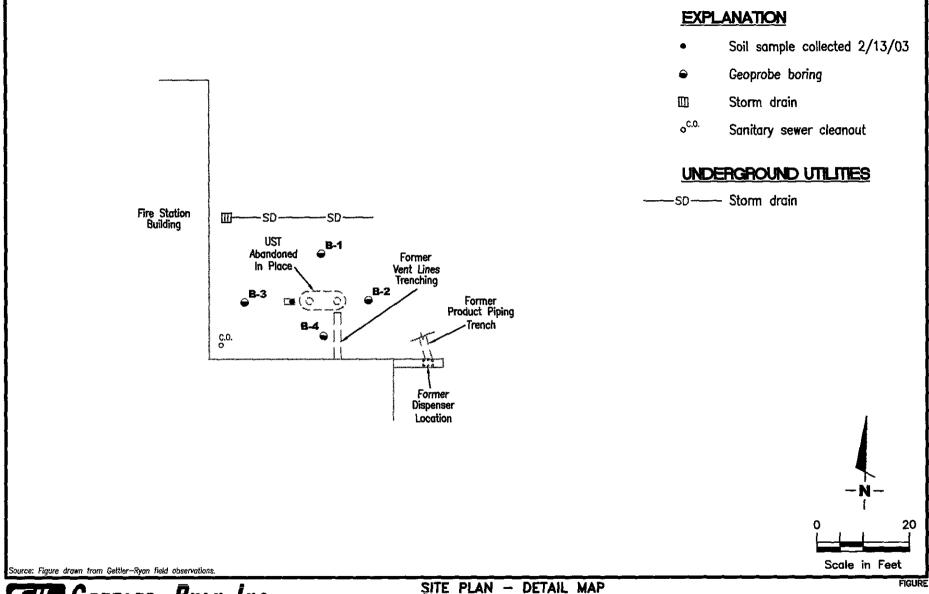
REVISED DATE

PROJECT NUMBER RE 948207

REVIEWED BY

DATE 11/03





| g | - | GETTLER - 1 | RYAN | Inc. |
|---|---|--|-------|----------|
| J | | 6747 Sierra Ct., Suite J Dublin, CA 94568 | (925) | 551-7555 |

Alameda County Fire Department — Station #4 20336 San Miquel Avenue Castro Valley, California

3

PROJECT NUMBER 948207.1

REVIEWED BY

DATE 1/04 REVISED DATE

FILE NAME: P:\ENVIRO\ALAMEDA\FIRE DEPT\STATION 4\A03-4.DWG | Layout Tab: Detail 1-04

GETTLER-RYAN INC.

FIELD METHODS AND PROCEDURES

Site Safety Plan

Field work performed by Gettler-Ryan Inc. (GR) is conducted in accordance with GR's Health and Safety Plan and the Site Safety Plan. GR personnel and subcontractors who perform work at the site are briefed on the contents of these plans prior to initiating site work. The GR geologist or engineer at the site when the work is performed acts as the Site Safety Officer. GR utilizes a photoionization detector (PID) to monitor ambient conditions as part of the Health and Safety Plan.

Collection of Soil Samples

Soil borings are drilled by a California-licensed well driller. A GR geologist is present to observe the drilling, collect soil samples for description, physical testing, and chemical analysis, and prepare a log of the exploratory soil boring. Soil samples obtained with a Geoprobe® rig are collected from the soil boring with a split-barrel sampling device fitted with 1.5-inch-diameter, clean brass tubes. The Geoprobe® drives the sampling device approximately 24 inches, and the filled sampler is then retrieved from the boring. The encountered soils are described using the Unified Soil Classification System (ASTM 2488-84) and the Munsell Soil Color Chart or GSA Rock Color Chart.

After removal from the sampling device, soil samples for chemical analysis are covered on both ends with teflon sheeting, capped, labeled, and place in a cooler with blue ice for preservation. A chain-of-custody form is initiated in the field and accompanies the selected soil samples to the analytical laboratory. Samples are selected for chemical analysis based on:

- a. depth relative to underground storage tanks and existing ground surface
- b. depth relative to known or suspected groundwater
- c. presence or absence of contaminant migration pathways
- d. presence or absence of discoloration or staining
- e. presence or absence of obvious gasoline hydrocarbon odors
- f. presence or absence of organic vapors detected by headspace analysis

Field Screening of Soil Samples

A PID is used to perform head-space analysis in the field for the presence of organic vapors from the soil sample. This test procedure involves placing a plastic cap over the end of the tube and allowing the sample to sit for several minutes. The PID probe is then inserted through a hole in the cap and the atmosphere within tested. Head-space screening results are recorded on the boring log. Head-space screening procedures are performed and results recorded as reconnaissance data. GR does not consider field screening techniques to be verification of the presence or absence of hydrocarbons.

Grab Groundwater Sampling

Grab samples of groundwater are collected from the boring using a parastaltic pump or micro-bailer. With the parastaltic pump, new Tygon® tubing is placed in the pump prior to collection of each sample. The tubing is

lowered into the boring through the GeoProbe equipment after groundwater has been allowed to collect. The parastaltic pump is used to evacuate water from the boring where it is discharged to laboratory-supplied containers appropriate for the anticipated analyses. With the micro-bailer, the cleaned bailer is lowered through the GeoProbe equipment into the groundwater. The bailer is allowed to fill, then is brought to the surface where the water is decanted into the sample container. The micro-bailer may also consist of a clean piece of tubing with a check valve at the bottom. The tubing is pumped up and down to bring the water sample to the surface and discharge the sample to the appropriate container.

Following collection of the groundwater sample, the sample bottles are then labeled and placed in chilled storage for transport to the analytical laboratory. A chain-of-custody form is initiated in the field and accompanies the groundwater samples to the analytical laboratory.

Soil Vapor Sampling

Soil vapor samples are collected by advancing the Geoprobe® to a discrete depth. Once the desired depth is attained, a 1/4-inch polyethylene tubing is threaded through the inside diameter of the drive rods and connected either to a tedlar bag or summa canister. The bottom portion of the drive rod is retracted and a vacuum is induced to purge a soil vapor sample. Used tubing is discarded after each sample.



ALAMEDA COUNTY PUBLIC WORKS AGENCY

DRILLING PERMIT APPLICATION

WATER RESOURCES SECTION
399 ELMHURST ST. HAYWARD CA. 94544-1395
PHONE (510) 670-5554
FAX (510)782-1939

| for applicant to complete | FOR OFFICE USE |
|--|---|
| LOCATION OF PROJECT 2- \$ 0336 SAN | |
| Mignel Ave Castro Valley A | PERMIT NUMBER |
| It lamerly (ounty Dire) | WELL NUMBER APN |
| Webartment - Studien #4 | Vista |
| | PERMIT CONDITIONS |
| | Circled Permit Requirements Apply |
| Name Alamedy County Fire Pensimen | frank 12 |
| | A. GENERAL |
| Address 835 E. 14th St Phone (510) 693-3438 City 59N 149N/170 Zip 914-571 | I. A permit application should be submitted so as to |
| | arrive at the ACPWA office five days prior to proposed starting date. |
| APPLICANT | 2. Submit to ACPWA within 60 days after completion of |
| Namo Gettler-Ryan INC | permitted original Department of Water Resources- |
| Rex (416) 631-1317 Address 3140 6010 Comp Ve \$100000 416 16 31-1300 | Well Completion Report. |
| Address 3140 Gold (1990 10 917) Hone 916 16 31-1300 | 3. Permit is void if project not begun within 90 days of |
| City Ranche covdova zip 45670 | approval date |
| | B. WATER SUPPLY WELLS 1. Minimum surface seal thickness is two inches of |
| Type of Project | cement grout placed by themic. |
| Well Construction Geotechnical Investigation | 2. Minimum seal depth is 50 feet for municipal and |
| Cathodic Protection [7] General [7] | Industrial wells or 20 feet for domestic and irrigation |
| Water Supply [1] Contamination is | wells unless a lesser depth is specially approved. |
| Monitoring (1 Well Destruction (1 | C. GROUNDWATER MONITORING WELLS |
| PROPOSITION AND ASSESSMENT OF THE PROPOSITION ASSESSMENT OF THE PR | INCLUDING PIEZOMETERS |
| PROPOSED WATER SUPPLY WELL USE | Minimum surface seal thickness is two inches of |
| New Domestic () Replacement Domestic () Municipal () Irrigation () | cement grout placed by tremie. |
| Industrial (.) Other | 2.Minimum seal depth for monitoring wells is the |
| THE SHIP THE | maximum depth practicable or 20 feet. |
| DRULLING METHOD: | Backful bore note by tremie with coment grout or cemen |
| Mud Rotary [.1 Air Rotary D Auger D | grout/sand mixture. Upper two-three feet replaced in kin |
| Cable 11 Other 5 Geoprobe | for with compacted outlines. |
| 10 mars | E. CATHODIC |
| DRILLER'S NAME VI TOWEX | Fill hole mode zone with concrete placed by tremie. |
| DELLEBORE CONTROL 7 CC 2 7 | F. WELL DESTRUCTION |
| DRILLER'S LICENSE NO. 765927 | Send a map of work site. A separate permit is required |
| | Cor wells deeper than 45 feet. |
| WELL PROJECTS | Ca SPECIAL CONDITIONS BAJ Attaclos |
| Drill Hole Diameter in Maximum | NOTE: One application must be submitted for each well or well |
| Casing Diameter in. Depth 1. | destruction. Multiple borings on one application are acceptable |
| Surface Seal Depth R. Owner's Well Number | for geotechnical and contamination investigations. |
| GEOTECHNICAL PROJECTS | |
| Number of Borings Maximum | |
| Hole Dlameter in. Depth 15 n. | 1 |
| | 1 - N |
| ESTIMATED STARTING DATE / 6/8 | f-2~03 |
| ESTIMATED COMPLETION DATE 1/6/8 | APPROVED DATE |
| I hereby agree to comply with all requirements of this permit and Alameda County Or | |
| | QUIBRIOG 190, 15-78. |
| APPLICANT'S SIGNATURE DATE | 2117103 \ |
| DI WASH UNDING AND CONTRACT OF THE PROPERTY OF | |
| PLEASE PRINT NAME GEOFFIELD V. KISSE Rev | r.5-13-00 |
| / | \smile |



ALAMEDA COUNTY PUBLIC WORKS AGENCY

WATER RESOURCES SECTION
399 ELMHURST ST. HAYWARD, CA. 94544-1395
PHONE (510) 670-6633 James Yoo FAX (510) 782-1939

PERMIT NO. W03-1170

WATER RESOURCES SECTION GROUNDWATER PROTECTION ORDINANCE B#1-GENERAL CONDITIONS: GEOTECHNICAL & CONTAMINATION BOREHOLES

- 1. Prior to any drilling activities shall be the applicants responsibilities to contact and coordinate a Underground Service Alert (USA), obtain encroachment permit(s), excavation permit(s) or any other permits required for that Federal, State, County or to the City and follow all City or County Ordinances. No work shall begin until all the permits and requirements have been approved or obtained.
- 2. Boreholes shall not be left open for a period of more than 24 hours. All boreholes left open more than 24 hours will need approval from Alameda County Public Works Agency, Water Resources Section. All boreholes shall be backfilled according to permit destruction requirements and all concrete material and asphalt material shall be to Caltrans Spec or County/City Codes. No borehole(s) shall be left in a manner to act as a conduit at any time.
- 3. Permitte, permittee's, contractors, consultants or agents shall be responsible to assure that all material or waters generated during drilling, boring destruction, and/or other activities associated with this Permit will be safely handled, properly managed, and disposed of according to all applicable federal, state, and local statues regulating such. In no case shall these materials and/or waters be allowed to enter, or potentially enter, on-or off site storm sewers, dry wells, or waterways or be allowed to move off the property where work is being completed.
- 4. Permit is valid only for the purpose specified herein **January 6 to January 6, 2004**. No changes in construction procedures, as described on this permit application. Boreholes shall not be converted to monitoring wells, without a permit application process.
- 5. Drilling Permit(s) can be voided/ canceled only in writing. It is the applicants responsibilities to notify Alameda County Public Works Agency, Water Resources Section in writing for an extension or to cancel the drilling permit application. No drilling permit application(s) shall be extended beyond ninety (90) days from the original start date. Applicants may not cancel a drilling permit application after the completion date of the permit issued has passed.
- 6. Permittee shall assume entire responsibility for all activities and uses under this permit and shall indemnify, defend and save the Alameda County Public Works Agency, its officers, agents, and employees free and harmless from any and all expense, cost, liability in connection with or resulting from the exercise of this Permit including, but not limited to, properly damage, personal injury and wrongful death.

| | MAJOR DIV | ISIONS | | | TYPICAL NAMES | | |
|--------------------------|--|---|--------|---|--|--|--|
| | GRAVELS | CLEAN GRAVELS | | GW | Well graded gravels with or without sand, little or no fines | | |
| SIEVE | MORE THAN HALF | OR NO FINES | • • | GP | Poorly graded gravels with or without sand, little or no fines | | |
| SOILS NO. 200 | COARSE FRACTION IS LARGER THAN NO: 4 SIEVE SIZE | GRAVELS WITH | | GM | Silty gravels, silty gravels with sand | | |
| | | OVER 15% FINES | | GC | Clayey gravels, clayey gravels with sand | | |
| | | CLEAN SANDS WITH LITTLE | | SW | Well graded sands with or without gravel, little or no fines | | |
| COARSE MORE THAN HALF IS | SANDS MORE THAN HALF | OR NO FINES | | SP | Poorly graded sands with or without gravel, little or no fines | | |
| MORE TH | COARSE FRACTION IS SMALLER THAN NO. 4 SIEVE SIZE | sands with | | SM | Silty sands with or without gravel | | |
| | | OVER 15% FINES | | sc | Clayey sands with or without gravel | | |
| SIEVE | | | | ML | Inorganic silts and very fine sands, rock flour, silts with sands and gravels | | |
| SOILS NO. 200 | SILTS AN | | CL | Inorganic clays of low to medium plasticity, clays with sands and gravels, lean clays | | | |
| . 2 | LIQUID LIMIT 50 | UN UN LESS | | OL | Organic silts or clays of low plasticity | | |
| ठ छ | SILTS ANI | D CLAYS | | МН | Inorganic silts, micaceous or diatomaceous, fine sandy or silty soils, elastic silts | | |
| FINE- | LIQUID LIMIT GREA | ITER THAN 50% | | СН | Inorganic clays of high plasticity, fat clays | | |
| MORE | | | | ОН | Organic silts or clays of medium to high plasticity | | |
| Н | IGHLY ORGANIC | SOILS | | PT | Peat and other highly organic soils | | |
| | PID Volatile | vapors in ppm | | | Observed geologic contact | | |
| ļ | bgs below g | round surface | | | ———— Inferred geologic contact | | |
| (2.5 | | or according to | | | No soil sample recovered | | |
| <u>.</u> | | lor Charts (1993 | | • | "Undisturbed" sample | | |
| BLC | • | Sample drive hammer w 140 pounds falling 30 in | | | ∇ First encountered groundwater level | | |
| | Blows r | equired to drive are indicated on | sample | er | ▼ Static groundwater level | | |
| a | 7 GETTLER | . Rvan I | | T | UNIFIED SOIL CLASSIFICATION | | |



UNIFIED SOIL CLASSIFICATION ASTM D 2488-85 AND KEY TO SAMPLING DATA

| _ | (| Settle | r-R | yan, I | nc. | Log of Boring B-1 | | | | |
|-----------------|-----------|---------------|-------------|-------------|--|---|--|--|--|--|
| PROJ | ECT: | Alameda | Count | y Fire De | ptartment Station #4 | LOCATION: 20336 San Miguel Avenue, Castro Valley, CA | | | | |
| GR P | ROJEC | T NO.: | 94820 | 77.1 | | SURFACE ELEVATION: | | | | |
| DATE | STA | RTED: 0 | 1/06/0 | 74 | | WL (ft. bgs): 15 DATE: 01/06/04 TIME: | 09:27 | | | |
| DATE | FIN | SHED: (| 01/06/0 | 04 | | WL (ft. bgs): DATE: TIME: | | | | |
| DRIL | LING | METHOD: | 2 in. | Geoprobe | (direct push) | TOTAL DEPTH: 16 feet | | | | |
| DRIL | LING | | : Viro | nex Drillin | g | GEOLOGIST: Geoffrey Risse | | | | |
| ОЕРТН (feet) | PID (ppm) | SAMPLE NUMBER | SAMPLE INT. | SOIL CLASS | G | EOLOGIC DESCRIPTION | REMARKS | | | |
| | | | | | Concrete - 6 inches ti | | | | | |
| | | | | | Gravel - 6 inches thick | | Boring backfilled | | | |
| - | | | | CL | CLAY WITH SILT (CL) plasticity; 80% clay, 15 | – dark brown (7.5YR 3/2), moist, low % silt, 5% fine sand. | with neat cement from the bottom to ground surface | | | |
| 3 | 0 | B1-5 | | | | es to brown (7.5YR 4/2). | - | | | |
| 9- | 0 | B1-10 | | | CLAY WITH SAND (CL) fine sand, 5% silt. | – brown (7.5YR 4/2), moist; 80% clay, 15% | _ | | | |
| 12- - 15- | 0 | B1-16 | | III SM | SILTY SAND (SM) - br | rown (7.5YR 4/2), saturated; 80% fine to | - | | | |
| - | 0 | B-1 | | | medium sand, 20% silt. Bottom of boring at 16 | | Grab groundwater sample B-1, | | | |
| 18 - | ! | | | | | | - | | | |
| | | | | | | | [| | | |
| 21- | | | | | · | | | | | |

| SURFACE ELEVATION: DATE STARTED: 0/06/04 DATE FINISHED: 0/06/04 DATE FINISHED: 0/06/04 DATE FINISHED: 0/06/04 DATE FINISHED: 0/06/04 DRILLING METHOD: 2 in. Geoprobe (direct push) DRILLING COMPANY: Vironex Drilling GEOLOGIST: Geoffrey Risse GEOLOGIST: Geoffrey Risse GEOLOGIC DESCRIPTION REMARKS GRAVET - 8 inches thick. Gravet - 8 inches thick. CLAY (CL) - black (7.5YR 2.5/1), moist; 90% clay, 10% silt. GEOLOGIC DESCRIPTION REMARKS O B2-5 O B2-10 O SC CLAY (CL) - gray (7.5YR 8/1), saturated; 80% clay, 10% silt, 10% fine sand. | | (| Settle | r–Rya | an, I | nc. | Log of Boring B-2 | | | | |
|--|-----------------|-----------|--|----------------------------|------------|------------------------|--|--------------------------------|--|--|--|
| SURFACE ELEVATION: DATE STARTED: 01/06/04 ML (ft. bgs): 6.5 DATE: 01/06/04 TIME: 10/10 DATE STARTED: 01/06/04 ML (ft. bgs): 6.5 DATE: 01/06/04 TIME: 10/10 DATE STARTED: 01/06/04 ML (ft. bgs): 6.5 DATE: 01/06/04 TIME: 10/10 DATE STARTED: 01/06/04 ML (ft. bgs): 6.5 DATE: 01/06/04 TIME: 10/10 DATE: 11/06/04 ML (ft. bgs): 6.5 DATE: 01/06/04 TIME: 10/10 DATE: 11/06/04 DATE: 11/ | PROJ | ECT: | Alameda | County I | ire De | ptartment Station #4 | LOCATION: 20336 San Miguel Avenue, Castro Valley, CA | | | | |
| ### DATE FINISHED: 01/06/04 WIL (ft. bgs): DATE: TIME: ################################### | | | | | | | <u> </u> | | | | |
| DRILLING COMPANY: Vironex Drilling GEOLOGIST: Geoffrey Risse | DATE | STA | RTED: 0 | 1/06/04 | | | | | | | |
| DRILLING COMPANY: Vironex Drilling GEOLOGIST: Geoffrey Risse GEOLOGIST: Geoffrey Risse GEOLOGIC DESCRIPTION REMARKS GRAVEI - 8 inches thick. Gravel - 8 inches thick. Gravel - 9 inches thick. CL. CLAY (CL) - black (7.5YR 2.5/0, moist; 90% clay, 10% silt. GO B2-16 GO B2-16 GO B2-16 GEOLOGIST: Geoffrey Risse GEOLOGIC DESCRIPTION REMARKS Boring backfilled with read clamany distribution of the properties of the pro | DATE | FINI | SHED: (| 01/06/04 | | | WL (ft. bgs): DATE: TIME: | | | | |
| Second S | DRIL | LING | METHOD: | 2 in. Ge | oprobe | (direct push) | TOTAL DEPTH: 16 feet | | | | |
| Concrete - 8 inches thick. Boring backfilled with neaf cament from the bottom ground surface. CL CLAY (CL) - black (7.5YR 2.5/1), moist; 90% clay, 10% slit. with neaf cament from the bottom ground surface. SM SILTY SAND (SM) - very dark brown (7.5YR 2.5/3), moist; 80% fine to medium sand, 20% slit. CL CLAY (CL) - gray (7.5YR 8/1), saturated; 80% clay, 10% slit, 10% fine sand. SC CLAYEY SAND (SC) - brown (7.5YR 4/3), saturated; 80% fine to medium sand, 20% clay. Consideration of the sample B-2 CLAYEY SAND (SC) - brown (7.5YR 4/3), saturated; 80% fine to medium sand, 20% clay. Consideration of the sample B-2 CLAYEY SAND (SC) - brown (7.5YR 4/3), saturated; 80% fine to medium sand, 20% clay. Consideration of the sample B-2 CLAYEY SAND (SC) - brown (7.5YR 4/3), saturated; 80% fine to medium sand, 20% clay. Consideration of the sample B-2 CLAYEY SAND (SC) - brown (7.5YR 4/3), saturated; 80% fine to medium sand, 20% clay. Clayer Sample B-2 Clayer Sampl | | | | | | | GEOLOGIST: Geoffrey Risse | | | | |
| Concrete - 8 inches thick. Gravel - 6 inches thick. CL CLAY (CL) - black (7.5YR 2.5/1), moist; 90% clay, 10% slit. SM SILTY SAND (SM) - very dark brown (7.5YR 2.5/3), moist; 80% fine to medium sand, 20% slit. CL CLAY (CL) - gray (7.5YR 8/1), saturated; 80% clay, 10% slit, 10% fine sand. CL CLAY (CL) - gray (7.5YR 8/1), saturated; 80% clay, 10% slit, 10% fine sand. SC CLAY (SC) - brown (7.5YR 4/3), saturated; 80% fine to medium sand, 20% clay. | ОЕРТН (feet) | PID (ppm) | SAMPLE NUMBER | SAMPLE INT. GRAPHIC LOG | SOIL CLASS | | | REMARKS | | | |
| CL CLAY (CL) - black (7.5YR 2.5/I), moist; 90% clay, 10% silt. class of the bottom from the bottom from the bottom ground surface. SM SILTY SAND (SM) - very dark brown (7.5YR 2.5/3), moist; 80% fine to medium sand, 20% silt. CL CLAY (CL) - gray (7.5YR 8/I), saturated; 80% clay, 10% silt, 10% fine sand. CL CLAY (CL) - gray (7.5YR 8/I), saturated; 80% clay, 10% silt, 10% fine sand. SC CLAYEY SAND (SC) - brown (7.5YR 4/3), saturated; 80% fine to medium sand, 20% clay. Grab groundwate sample B-2 | | | | | | Concrete - 8 inches t | hick. | <u> </u> | | | |
| fine to medium sand, 20% silt. SC CLAYEY SAND (SC) - brown (7.5YR 4/3), saturated; 80% fine to medium sand, 20% clay. | - - 3- | | Gravel - 6 inches thick. CL CLAY (CL) - black (7.5YR 2.5/1), moist; 90% clay, 10% silt. | | | | | | | | |
| fine sand. B2-10 B2-10 B2-16 B3-2 B3-2 B3-3 B3- | 6- | 0 | B2-5 | - | SM | fine to medium sand, 2 | ery dark brown (7.5YR 2.5/3), moist; 80% 0% silt. | | | | |
| 15— 0 B2-16 B-2 SC CLAYEY SAND (SC) - brown (7.5YR 4/3), saturated; 80% fine to medium sand, 20% clay. Grab groundwate sample B-2 | 9- | | 50.40 | | CL | | 5YR 6/1), saturated; 80% clay, 10% silt, 10% | | | | |
| 0 B2-16 medium sand, 20% clay. Grab groundwate sample B-2 | 12- | 0 | B2-10 | | | | | | | | |
| | 15 | | 1 | | SC | medium sand, 20% clay | <u>', </u> | Grab groundwater sample B~2 | | | |
| | 18- | | | | | | | | | | |
| | 21_ |] | 1 | | | | | 4 | | | |

| | Gettler-Ryan, Inc. | | | | | | ! | Log of Boring B-3 | | | | |
|----------|--------------------|--------------|-------|--------|-----------|--------|--------------------------------|--|---------------------------------|--|--|--|
| PROJ | ECT: | Alameda | Cou | inty f | Fire De | ptar | tment Station #4 | LOCATION: 20336 San Miguel Avenue, Castro Valley, CA | | | | |
| GR PI | ROJEC | T NO. : | 948. | 207.1 | | | | SURFACE ELEVATION: | | | | |
| DATE | STA | RTED: 0 | 1/06 | /04 | | | | WL (ft. bgs): 11 DATE: 01/06/04 TIME: 10:55 | | | | |
| DATE | FINI | SHED: C | 01/08 | 3/04 | | | | WL (ft. bgs): DATE: TIME: | | | | |
| DRIL | LING | METHOD: | 2 ii | n. Ge | oprobe | e (dil | rect push) | TOTAL DEPTH: 15 feet | | | | |
| DRIL | LING | COMPANY: | V | irone. | x Drillin | ng | | GEOLOGIST: Geoffrey Risse | | | | |
| NT. LOG | | | | | | | 6. | GEOLOGIC DESCRIPTION REMARKS | | | | |
| | | | | | | | Concrete - 6 inches th | nick. | | | | |
| | | ı | | | | L | Gravel - 6 inches thick | | Boring backfilled - | | | |
| 3- | | | - | | CL | | CLAY (CL) - black (7. | with neat cement from the bottom to ground surface - | | | | |
| 6- | 0 | B3-5 | | | | | CLAY WITH SAND (CL) fine sand. | - brown (7.5YR 4/2), moist; 80% clay, 20% | | | | |
| 9- | 0 | B3~10 | | | SC | Ţ | clay, 30% fine sand. | n (7.5YR 4/3), becomes saturated; 70% brown (7.5YR 4/4), saturated; 80% fine to | | | | |
| 15- | 0 | 83-15 8-3 | | | | | medium sand, 20% clay. | | Grab groundwater sample B-3. | | | |
| - 18- | | | | | | | Bottom of boring at 15 | reet ogs. | _ | | | |
| | | |] | | | | | |] | | | |
| | | | | ! | | | | | - | | | |
| 21- | | | | | | | | | | | | |

JOB NUMBER: 948207.1

| | (| Settle | r–Rya | an, Ir | nc. | Log of Boring B-4 | | | | |
|--------------------|-----------|---------------|----------------------------|--------------|---|---|---------------------------------|--|--|--|
| PROJ | ECT: | Alameda | County | Fire Dep | otartment Station #4 | LOCATION: 20336 San Miguel Avenue, Castro Valley, CA | | | | |
| GR P | ROJEC | T NO.: | 948207.1 | | | SURFACE ELEVATION: | | | | |
| DATE | STA | RTED: 0 | 1/06/04 | | | WL (ft. bgs): 12 DATE: 01/06/04 TIME | : 11:45 | | | |
| DATE | FINI | SHED: C | 01/06/04 | | | WL (ft. bgs): DATE: TIME | | | | |
| DRIL | LING | METHOD: | 2 in. Ge | oprobe | (direct push) | TOTAL DEPTH: 16 feet | | | | |
| DRIL | LING | COMPANY: | Virone | x Drilling | 7 | GEOLOGIST: Geoffrey Risse | ~- <u></u> | | | |
| DEPTH (feet) | PID (ppm) | SAMPLE NUMBER | SAMPLE INT. GRAPHIC LOG | SOIL CLASS | | DEOLOGIC DESCRIPTION | REMARKS | | | |
| | | | | | Concrete - 6 inches t | | - | | | |
| 3- | | | | CL | | Gravel - 6 inches thick. CLAY (CL) - black (7.5YR 2.5/1), moist; 90% clay, 10% silt. | | | | |
| 6- | 0 | B4-5 | | | CLAY WITH SAND (CL) |) — brown (7.5YR 4/2), moist; 85% clay, 15% | | | | |
| 9 - - 12 | O | B4-10 | | | ♥ Becomes saturated. | | - | | | |
| 15- | 0 | B4-16 B-4 | | SC | CLAYEY SAND (SC) — medium sand, 20% clay Bottom of boring at 16 | | Grab groundwater sample B-4. | | | |
| 18 - - 21 | | FR: QAF | | | | | Page 1 of 1 | | | |



Date: 1/16/2004

Geoffrey Risse Gettler-Ryan Inc. 3140 Gold Camp Dr. Suite 170 Rancho Cordova, CA 95670

Subject: 8 Soil Samples and 4 Water Samples

Project Name: ACFD Station #4
Project Number: 948207.01
P.O. Number: 948207.01

Dear Mr. Risse,

Chemical analysis of the samples referenced above has been completed. Summaries of the data are contained on the following pages. Sample(s) were received under documented chain-of-custody. US EPA protocols for sample storage and preservation were followed.

Kiff Analytical is certified by the State of California (# 2236). If you have any questions regarding procedures or results, please call me at 530-297-4800.

Sincerely,



Date: 1/16/2004

Project Name: ACFD Station #4

Project Number: 948207.01

Sample: **B1-10**

Matrix : Soil

Lab Number : 36579-02

Sample Date :1/6/2004

| Sample Date :1/6/2004 | | Method | | | |
|---------------------------------------|-------------------|--------------------|------------|--------------------|------------------|
| Parameter | Measured Value | Reporting Limit | Units | Analysis Method | Date Analyzed |
| Benzene | < 0.0050 | 0.0050 | mg/Kg | EPA 8260B | 1/8/2004 |
| Toluene | < 0.0050 | 0.0050 | mg/Kg | EPA 8260B | 1/8/2004 |
| Ethylbenzene | < 0.0050 | 0.0050 | mg/Kg | EPA 8260B | 1/8/2004 |
| Total Xylenes | < 0.0050 | 0.0050 | mg/Kg | EPA 8260B | 1/8/2004 |
| Methyl-t-butyl ether (MTBE) | < 0.0050 | 0.0050 | mg/Kg | EPA 8260B | 1/8/2004 |
| TPH as Gasoline | < 1.0 | 1.0 | mg/Kg | EPA 8260B | 1/8/2004 |
| Toluene - d8 (Surr) | 102 | | % Recovery | EPA 8260B | 1/8/2004 |
| 4-Bromofluorobenzene (Surr) | 103 | | % Recovery | EPA 8260B | 1/8/2004 |
| TPH as Diesel | < 1.0 | 1.0 | mg/Kg | M EPA 8015 | 1/9/2004 |
| 1-Chlorooctadecane (Diesel Surrogate) | 89.4 | | % Recovery | M EPA 8015 | 1/9/2004 |

Sample : **B1-16**

Matrix : Soil

Lab Number : 36579-03

Sample Date :1/6/2004

| Parameter | Measured Value | Method Reporting Limit | Units | Analysis Method | Date Analyzed |
|---------------------------------------|-------------------|------------------------------|------------|--------------------|------------------|
| Benzene | < 0.0050 | 0.0050 | mg/Kg | EPA 8260B | 1/10/2004 |
| Toluene | < 0.0050 | 0.0050 | mg/Kg | EPA 8260B | 1/10/2004 |
| Ethylbenzene | < 0.0050 | 0.0050 | mg/Kg | EPA 8260B | 1/10/2004 |
| Total Xylenes | < 0.0050 | 0.0050 | mg/Kg | EPA 8260B | 1/10/2004 |
| Methyl-t-butyl ether (MTBE) | < 0.0050 | 0.0050 | mg/Kg | EPA 8260B | 1/10/2004 |
| TPH as Gasoline | < 1.0 | 1.0 | mg/Kg | EPA 8260B | 1/10/2004 |
| Toluene - d8 (Surr) | 104 | | % Recovery | EPA 8260B | 1/10/2004 |
| 4-Bromofluorobenzene (Surr) | 102 | | % Recovery | EPA 8260B | 1/10/2004 |
| TPH as Diesel | < 1.0 | 1.0 | mg/Kg | M EPA 8015 | 1/9/2004 |
| 1-Chlorooctadecane (Diesel Surrogate) | 99.8 | | % Recovery | M EPA 8015 | 1/9/2004 |

Approved By: J



Date: 1/16/2004

Project Name: ACFD Station #4

Project Number: 948207.01

Sample: B-1

Matrix: Water

Lab Number: 36579-04

Sample Date :1/6/2004

| Sample Date :1/6/2004 | | Method | | | |
|-------------------------------|-------------------|--------------------|------------|--------------------|------------------|
| Parameter | Measured Value | Reporting Limit | Units | Analysis Method | Date Analyzed |
| Benzene | < 0.50 | 0.50 | ug/L | EPA 8260B | 1/11/2004 |
| Toluene | 0.53 | 0.50 | ug/L | EPA 8260B | 1/11/2004 |
| Ethylbenzene | < 0.50 | 0.50 | ug/L | EPA 8260B | 1/11/2004 |
| Total Xylenes | 0.56 | 0.50 | ug/L | EPA 8260B | 1/11/2004 |
| Methyl-t-butyl ether (MTBE) | < 5.0 | 5.0 | ug/L | EPA 8260B | 1/11/2004 |
| TPH as Gasoline | < 50 | 50 | ug/L | EPA 8260B | 1/11/2004 |
| Toluene - d8 (Surr) | 95.6 | | % Recovery | EPA 8260B | 1/11/2004 |
| 4-Bromofluorobenzene (Surr) | 102 | | % Recovery | EPA 8260B | 1/11/2004 |
| TPH as Diesel | 110 | 50 | ug/L | M EPA 8015 | 1/8/2004 |
| TPH as Diesel (Silica Gel) | 85 | 50 | ug/L | M EPA 8015 | 1/16/2004 |
| Octacosane (Diesel Surrogate) | 108 | | % Recovery | M EPA 8015 | 1/8/2004 |

Sample: B2-10

Matrix: Soil

Lab Number: 36579-06

Sample Date :1/6/2004

| Parameter | Measured Value | Method Reporting Limit | Units | Analysis Method | Date Analyzed | |
|---------------------------------------|-------------------|------------------------------|------------|--------------------|------------------|--|
| Benzene | < 0.0050 | 0.0050 | mg/Kg | EPA 8260B | 1/11/2004 | |
| Toluene | < 0.0050 | 0.0050 | mg/Kg | EPA 8260B | 1/11/2004 | |
| Ethylbenzene | < 0.0050 | 0.0050 | mg/Kg | EPA 8260B | 1/11/2004 | |
| Total Xylenes | < 0.0050 | 0.0050 | mg/Kg | EPA 8260B | 1/11/2004 | |
| Methyl-t-butyl ether (MTBE) | < 0.0050 | 0.0050 | mg/Kg | EPA 8260B | 1/11/2004 | |
| TPH as Gasoline | < 1.0 | 1.0 | mg/Kg | EPA 8260B | 1/11/2004 | |
| Toluene - d8 (Surr) | 95.7 | | % Recovery | EPA 8260B | 1/11/2004 | |
| 4-Bromofluorobenzene (Surr) | 104 | | % Recovery | EPA 8260B | 1/11/2004 | |
| TPH as Diesel | < 1.0 | 1.0 | mg/Kg | M EPA 8015 | 1/9/2004 | |
| 1-Chlorooctadecane (Diesel Surrogate) | 92.4 | | % Recovery | M EPA 8015 | 1/9/2004 | |

Approved By: Jef



Date: 1/16/2004

Project Name: ACFD Station #4

Project Number: 948207.01

Sample: **B2-16**

Matrix : Soil

Lab Number : 36579-07

Sample Date :1/6/2004

| Sample Date :1/6/2004 | | Method | | | |
|---------------------------------------|-------------------|--------------------|------------|--------------------|------------------|
| Parameter | Measured Value | Reporting Limit | Units | Analysis Method | Date Analyzed |
| Benzene | < 0.0050 | 0.0050 | mg/Kg | EPA 8260B | 1/11/2004 |
| Toluene | < 0.0050 | 0.0050 | mg/Kg | EPA 8260B | 1/11/2004 |
| Ethylbenzene | < 0.0050 | 0.0050 | mg/Kg | EPA 8260B | 1/11/2004 |
| Total Xylenes | < 0.0050 | 0.0050 | mg/Kg | EPA 8260B | 1/11/2004 |
| Methyl-t-butyl ether (MTBE) | < 0.0050 | 0.0050 | mg/Kg | EPA 8260B | 1/11/2004 |
| TPH as Gasoline | < 1.0 | 1.0 | mg/Kg | EPA 8260B | 1/11/2004 |
| Toluene - d8 (Surr) | 96.8 | | % Recovery | EPA 8260B | 1/11/2004 |
| 4-Bromofluorobenzene (Surr) | 101 | | % Recovery | EPA 8260B | 1/11/2004 |
| TPH as Diesel | < 1.0 | 1.0 | mg/Kg | M EPA 8015 | 1/9/2004 |
| 1-Chlorooctadecane (Diesel Surrogate) | 93.2 | | % Recovery | M EPA 8015 | 1/9/2004 |

Sample: B-2

Matrix: Water

Lab Number : 36579-08

Sample Date :1/6/2004

| Parameter | Measured Value | Method Reporting Limit | Units | Analysis Method | Date Analyzed | |
|-------------------------------|-------------------|------------------------------|------------|--------------------|------------------|--|
| Benzene | < 0.50 | 0.50 | ug/L | EPA 8260B | 1/11/2004 | |
| Toluene | < 0.50 | 0.50 | ug/L | EPA 8260B | 1/11/2004 | |
| Ethylbenzene | < 0.50 | 0.50 | ug/L | EPA 8260B | 1/11/2004 | |
| Total Xylenes | < 0.50 | 0.50 | ug/L | EPA 8260B | 1/11/2004 | |
| Methyl-t-butyl ether (MTBE) | E) < 5.0 | | ug/L | EPA 8260B | 1/11/2004 | |
| TPH as Gasoline | < 50 | 50 | ug/L | EPA 8260B | 1/11/2004 | |
| Toluene - d8 (Surr) | 95.4 | | % Recovery | EPA 8260B | 1/11/2004 | |
| 4-Bromofluorobenzene (Surr) | 97.9 | | % Recovery | EPA 8260B | 1/11/2004 | |
| TPH as Diesei | < 50 | 50 | ug/L | M EPA 8015 | 1/10/2004 | |
| Octacosane (Diesel Surrogate) | 71.8 | | % Recovery | M EPA 8015 | 1/10/2004 | |

Approved By: Jet



Date: 1/16/2004

Project Name: ACFD Station #4

Project Number: 948207.01

Sample: B3-10

Matrix : Soil

Lab Number : 36579-10

Sample Date :1/6/2004

| Parameter | Measured Value | Method Reporting Limit | Units | Analysis Method | Date Analyzed | |
|---------------------------------------|-------------------|------------------------------|------------|--------------------|------------------|--|
| Benzene | < 0.0050 | 0.0050 | mg/Kg | EPA 8260B | 1/10/2004 | |
| Toluene | < 0.0050 | 0.0050 | mg/Kg | EPA 8260B | 1/10/2004 | |
| Ethylbenzene | < 0.0050 | 0.0050 | mg/Kg | EPA 8260B | 1/10/2004 | |
| Total Xylenes | < 0.0050 | 0.0050 | mg/Kg | EPA 8260B | 1/10/2004 | |
| Methyl-t-butyl ether (MTBE) | < 0.0050 | 0.0050 | mg/Kg | EPA 8260B | 1/10/2004 | |
| TPH as Gasoline | < 1.0 | 1.0 | mg/Kg | EPA 8260B | 1/10/2004 | |
| Toluene - d8 (Surr) | 102 | | % Recovery | EPA 8260B | 1/10/2004 | |
| 4-Bromofluorobenzene (Surr) | 99.1 | | % Recovery | EPA 8260B | 1/10/2004 | |
| TPH as Diesel | < 1.0 | 1.0 | mg/Kg | M EPA 8015 | 1/9/2004 | |
| 1-Chlorooctadecane (Diesel Surrogate) | 90.3 | | % Recovery | M EPA 8015 | 1/9/2004 | |

Sample : **B3-15**

Matrix : Soil

Lab Number : 36579-11

Sample Date :1/6/2004

| Parameter | Measured Value | Method Reporting Limit | Units | Analysis Method | Date Analyzed |
|---------------------------------------|-------------------|------------------------------|------------|--------------------|------------------|
| Benzene | < 0.0050 | 0.0050 | mg/Kg | EPA 8260B | 1/10/2004 |
| Toluene | < 0.0050 | 0.0050 | mg/Kg | EPA 8260B | 1/10/2004 |
| Ethylbenzene | < 0.0050 | 0.0050 | mg/Kg | EPA 8260B | 1/10/2004 |
| Total Xylenes | < 0.0050 | 0.0050 | mg/Kg | EPA 8260B | 1/10/2004 |
| Methyl-t-butyl ether (MTBE) | < 0.0050 | 0.0050 | mg/Kg | EPA 8260B | 1/10/2004 |
| TPH as Gasoline | < 1.0 | 1.0 | mg/Kg | EPA 8260B | 1/10/2004 |
| Toluene - d8 (Surr) | 102 | | % Recovery | EPA 8260B | 1/10/2004 |
| 4-Bromofluorobenzene (Surr) | 103 | | % Recovery | EPA 8260B | 1/10/2004 |
| TPH as Diesel | < 1.0 | 1.0 | mg/Kg | M EPA 8015 | 1/9/2004 |
| 1-Chlorooctadecane (Diesel Surrogate) | 92.0 | | % Recovery | M EPA 8015 | 1/9/2004 |

Approved By: Je



Date: 1/16/2004

Project Name: ACFD Station #4

Project Number: 948207.01

Sample: B-3

Matrix: Water

Lab Number: 36579-12

Sample Date :1/6/2004

| Sample Date : 1/6/2004 | | Method | | | |
|-------------------------------|-------------------|--------------------|------------|--------------------|------------------|
| Parameter | Measured Value | Reporting Limit | Units | Analysis Method | Date Analyzed |
| Benzene | < 0.50 | 0.50 | ug/L | EPA 8260B | 1/11/2004 |
| Toluene | < 0.50 | 0.50 | ug/L | EPA 8260B | 1/11/2004 |
| Ethylbenzene | < 0.50 | 0.50 | ug/L | EPA 8260B | 1/11/2004 |
| Total Xylenes | 0.56 | 0.50 | ug/L | EPA 8260B | 1/11/2004 |
| Methyl-t-butyl ether (MTBE) | < 5.0 | 5.0 | ug/L | EPA 8260B | 1/11/2004 |
| TPH as Gasoline | < 50 | 50 | ug/L | EPA 8260B | 1/11/2004 |
| Toluene - d8 (Surr) | 95.2 | | % Recovery | EPA 8260B | 1/11/2004 |
| 4-Bromofluorobenzene (Surr) | 98.8 | | % Recovery | EPA 8260B | 1/11/2004 |
| TPH as Diesel | 72 | 50 | ug/L | M EPA 8015 | 1/8/2004 |
| TPH as Diesel (Silica Gel) | < 50 | 50 | ug/L | M EPA 8015 | 1/16/2004 |
| Octacosane (Diesel Surrogate) | 106 | | % Recovery | M EPA 8015 | 1/8/2004 |

Sample : **B4-10**

Matrix : Soil

Lab Number: 36579-14

Sample Date :1/6/2004

| Parameter | Measured Value | Method Reporting Limit | Units | Analysis Method | Date Analyzed |
|---------------------------------------|-------------------|------------------------------|------------|--------------------|------------------|
| Benzene | < 0.0050 | 0.0050 | mg/Kg | EPA 8260B | 1/10/2004 |
| Toluene | < 0.0050 | 0.0050 | mg/Kg | EPA 8260B | 1/10/2004 |
| Ethylbenzene | < 0.0050 | 0.0050 | mg/Kg | EPA 8260B | 1/10/2004 |
| Total Xylenes | < 0.0050 | 0.0050 | mg/Kg | EPA 8260B | 1/10/2004 |
| Methyl-t-butyl ether (MTBE) | < 0.0050 | 0.0050 | mg/Kg | EPA 8260B | 1/10/2004 |
| TPH as Gasoline | < 1.0 | 1.0 | mg/Kg | EPA 8260B | 1/10/2004 |
| Toluene - d8 (Surr) | 107 | | % Recovery | EPA 8260B | 1/10/2004 |
| 4-Bromofluorobenzene (Surr) | 99.3 | | % Recovery | EPA 8260B | 1/10/2004 |
| TPH as Diesel | < 1.0 | 1.0 | mg/Kg | M EPA 8015 | 1/9/2004 |
| 1-Chlorooctadecane (Diesel Surrogate) | 88.7 | | % Recovery | M EPA 8015 | 1/9/2004 |

Approved By: Je



Date: 1/16/2004

Project Name: ACFD Station #4

Project Number: 948207.01

Sample: **B4-16**

Matrix: Soil

Lab Number: 36579-15

Sample Date :1/6/2004

| Sample Date : 1/6/2004 | | Method | | | | |
|---------------------------------------|-------------------|--------------------|------------|--------------------|------------------|--|
| Parameter | Measured Value | Reporting Limit | Units | Analysis Method | Date Analyzed | |
| Benzene | < 0.0050 | 0.0050 | mg/Kg | EPA 8260B | 1/10/2004 | |
| Toluene | < 0.0050 | 0.0050 | mg/Kg | EPA 8260B | 1/10/2004 | |
| Ethylbenzene | < 0.0050 | 0.0050 | mg/Kg | EPA 8260B | 1/10/2004 | |
| Total Xylenes | < 0.0050 | 0.0050 | mg/Kg | EPA 8260B | 1/10/2004 | |
| Methyl-t-butyl ether (MTBE) | < 0.0050 | 0.0050 | mg/Kg | EPA 8260B | 1/10/2004 | |
| TPH as Gasoline | < 1.0 | 1.0 | mg/Kg | EPA 8260B | 1/10/2004 | |
| Toluene - d8 (Surr) | 102 | | % Recovery | EPA 8260B | 1/10/2004 | |
| 4-Bromofluorobenzene (Surr) | 98.4 | | % Recovery | EPA 8260B | 1/10/2004 | |
| TPH as Diesel | < 1.0 | 1.0 | mg/Kg | M EPA 8015 | 1/10/2004 | |
| 1-Chlorooctadecane (Diesel Surrogate) | 90.4 | | % Recovery | M EPA 8015 | 1/10/2004 | |

Sample: B-4

Matrix: Water

Lab Number: 36579-16

Sample Date :1/6/2004

| Parameter | Measured Value | Method Reporting Limit | Units | Analysis Method | Date Analyzed | |
|-------------------------------|-----------------------|------------------------------|------------|--------------------|------------------|--|
| Benzene | < 0.50 | 0.50 | ug/L | EPA 8260B | 1/11/2004 | |
| Toluene | < 0.50 | 0.50 | ug/L | EPA 8260B | 1/11/2004 | |
| Ethylbenzene | < 0.50 | 0.50 | ug/L | EPA 8260B | 1/11/2004 | |
| Total Xylenes | 0.51 | 0.50 | ug/L | EPA 8260B | 1/11/2004 | |
| Methyl-t-butyl ether (MTBE) | /I ether (MTBE) < 5.0 | | ug/L | EPA 8260B | 1/11/2004 | |
| TPH as Gasoline | < 50 | 50 | ug/L | EPA 8260B | 1/11/2004 | |
| Toluene - d8 (Surr) | 96.0 | | % Recovery | EPA 8260B | 1/11/2004 | |
| 4-Bromofluorobenzene (Surr) | 100 | | % Recovery | EPA 8260B | 1/11/2004 | |
| TPH as Diesel | < 50 | 50 | ug/L | M EPA 8015 | 1/10/2004 | |
| Octacosane (Diesel Surrogate) | 76.5 | | % Recovery | M EPA 8015 | 1/10/2004 | |

Approved By: J

Date: 1/16/2004

QC Report : Method Blank Data

Project Name: ACFD Station #4

Project Number: 948207.01

| | | Method | | | | |
|---------------------------------------|----------|----------------------|-------|------------|-----------|--|
| | Measured | Reporting | 9 | Analysis | Date | |
| Parameter | Value | Limit | Units | Method | Analyzed | |
| TPH as Diesel | < 1.0 | 1.0 | mg/Kg | M EPA 8015 | 1/9/2004 | |
| 1-Chlorooctadecane (Diesel Surrogate) | 98.1 | | % | M EPA 8015 | 1/9/2004 | |
| TPH as Diesel | < 50 | 50 | ug/L | M EPA 8015 | 1/8/2004 | |
| TPH as Diesel (Silica Gel) | < 50 | 50 | ug/L | M EPA 8015 | 1/8/2004 | |
| Octacosane (Diesel Surrogate) | 87.2 | | % | M EPA 8015 | 1/8/2004 | |
| TPH as Diesel | < 50 | 50 | ug/L | M EPA 8015 | 1/10/2004 | |
| Octacosane (Diesel Surrogate) | 76.5 | | % | M EPA 8015 | 1/10/2004 | |
| Benzene | < 0.0050 | 0.0050 | mg/Kg | EPA 8260B | 1/8/2004 | |
| Toluene | < 0.0050 | 0.0050 | mg/Kg | EPA 8260B | 1/8/2004 | |
| Ethylbenzene | < 0.0050 | 0.0050 | mg/Kg | EPA 8260B | 1/8/2004 | |
| Total Xylenes | < 0.0050 | 050 0.0050 mg/Kg EPA | | EPA 8260B | 1/8/2004 | |
| Methyl-t-butyl ether (MTBE) | < 0.0050 | 0.0050 | mg/Kg | EPA 8260B | 1/8/2004 | |
| TPH as Gasoline | < 1.0 | 1.0 | mg/Kg | EPA 8260B | 1/8/2004 | |
| Toluene - d8 (Surr) | 105 | | % | EPA 8260B | 1/8/2004 | |
| 4-Bromofluorobenzene (Surr) | 101 | | % | EPA 8260B | 1/8/2004 | |
| Benzene | < 0.50 | 0.50 | ug/L | EPA 8260B | 1/11/2004 | |
| Toluene | < 0.50 | 0.50 | ug/L | EPA 8260B | 1/11/2004 | |
| Ethylbenzene | < 0.50 | 0.50 | ug/L | EPA 8260B | 1/11/2004 | |
| Total Xylenes | < 0.50 | 0.50 | ug/L | EPA 8260B | 1/11/2004 | |
| Methyl-t-butyl ether (MTBE) | < 5.0 | 5.0 | ug/L | EPA 8260B | 1/11/2004 | |
| TPH as Gasoline | < 50 | 50 | ug/L | EPA 8260B | 1/11/2004 | |
| Toluene - d8 (Surr) | 94.8 | | % | EPA 8260B | 1/11/2004 | |
| 4-Bromofluorobenzene (Surr) | 100 | | % | EPA 8260B | 1/11/2004 | |

| Parameter | Measured Value | Method Reporti Limit | | Analysis Method | Date Analyzed |
|-----------------------------|-------------------|----------------------------|------|--------------------|------------------|
| | | | | | |
| Benzene | < 0.50 | 0.50 | ug/L | EPA 8260B | 1/8/2004 |
| Toluene | < 0.50 | 0.50 | ug/L | EPA 8260B | 1/8/2004 |
| Ethylbenzene | < 0.50 | 0.50 | ug/L | EPA 8260B | 1/8/2004 |
| Total Xylenes | < 0.50 | 0.50 | ug/L | EPA 8260B | 1/8/2004 |
| Methyl-t-butyl ether (MTBE) | < 5.0 | 5.0 | ug/L | EPA 8260B | 1/8/2004 |
| TPH as Gasoline | < 50 | 50 | ug/L | EPA 8260B | 1/8/2004 |
| Toluene - d8 (Surr) | 116 | | % | EPA 8260B | 1/8/2004 |
| 4-Bromofluorobenzene (Surr) | 92.5 | | % | EPA 8260B | 1/8/2004 |

Approved By:

KIFF ANALYTICAL, LLC 2795 2nd St, Suite 300 Davis, CA 95616 530-297-4800

Date: 1/16/2004

Project Name: ACFD Station #4

QC Report : Matrix Spike/ Matrix Spike Duplicate

Project Number: 948207.01

| Parameter_ | Spiked Sample | Sample Value | Spike Level | Spike Dup. Level | Spiked Sample Value | Duplicate Spiked Sample Value | Units | Analysis Method | Date Analyzed | Spiked Sample Percent Recov. | Duplicate Spiked Sample Percent Recov. | Relative | Spiked Sample Percent Recov. Limit | Relative Percent Diff. Limit |
|---------------------|------------------|-----------------|----------------|------------------------|---------------------------|--|-------|--------------------|------------------|---------------------------------------|--|----------|--|---------------------------------------|
| Benzene | 36579-02 | <0.0050 | 0.0400 | 0.0398 | 0.0373 | 0.0346 | mg/Kg | EPA 8260B | 1/9/04 | 93.2 | 86.8 | 7.12 | 70-130 | 25 |
| Toluene | 36579-02 | <0.0050 | 0.0400 | 0.0398 | 0.0387 | 0.0362 | mg/Kg | | 1/9/04 | 96.8 | 91.0 | 6.26 | 70-130 | 25 |
| Tert-Butanol | 36579-02 | <0.0050 | 0.200 | 0.199 | 0.195 | 0.197 | mg/Kg | | 1/9/04 | 97.6 | 98.7 | 1.17 | 70-130 | 25 |
| Methyl-t-Butyl Ethe | r 36579-02 | <0.0050 | 0.0400 | 0.0398 | 0.0403 | 0.0354 | mg/Kg | | 1/9/04 | 101 | 88.9 | 12.5 | 70-130 | 25 |
| | | | | | | | | | | | | | | |
| Benzene | 36579-08 | <0.50 | 39.6 | 40.0 | 37.1 | 37.2 | ug/L | EPA 8260B | 1/11/04 | 93.6 | 93.1 | 0.562 | 70-130 | 25 |
| Toluene | 36579-08 | <0.50 | 39.6 | 40.0 | 35.9 | 35.9 | ug/L | EPA 8260B | 1/11/04 | 90.6 | 89.8 | 0.914 | 70-130 | 25 |
| Tert-Butanol | 36579-08 | <5.0 | 198 | 200 | 175 | 186 | ug/L | EPA 8260B | 1/11/04 | 88.4 | 92.8 | 4.95 | 70-130 | 25 |
| Methyl-t-Butyl Ethe | r 36579-08 | <0.50 | 39.6 | 40.0 | 38.2 | 38.7 | ug/L | EPA 8260B | 1/11/04 | 96.4 | 96.8 | 0.440 | 70-130 | 25 |
| Benzene | 36584-01 | <0.50 | 40.0 | 40.0 | 37.8 | 38.3 | ua/I | EDA OSCOD | 4/0/04 | 04.6 | 05.0 | 4.00 | 70.400 | 05 |
| Toluene | 36584-01 | <0.50 | 40.0 | | | | ug/L | EPA 8260B | 1/8/04 | 94.6 | 95.8 | 1.29 | 70-130 | 25 |
| Tert-Butanol | | | | 40.0 | 38.1 | 38.2 | ug/L | EPA 8260B | 1/8/04 | 95.4 | 95.4 | 0.0262 | 70-130 | 25 |
| | 36584-01 | <5.0 | 200 | 200 | 194 | 196 | ug/L | EPA 8260B | 1/8/04 | 97.0 | 97.8 | 0.852 | 70-130 | 25 |
| Methyl-t-Butyl Ethe | r 36584-01 | 1.5 | 40.0 | 40.0 | 40.2 | 39.9 | ug/L | EPA 8260B | 1/8/04 | 96.6 | 96.0 | 0.649 | 70-130 | 25 |
| TPH as Diesel | 36579-03 | <1.0 | 20.0 | 20.0 | 21.5 | 20.9 | mg/Kg | M EPA 8015 | 1/9/04 | 107 | 104 | 2.62 | 60-140 | 25 |
| TPH as Diesel | Blank | <50 | 1000 | 1000 | 1120 | 1100 | ug/L | M EPA 8015 | 1/8/04 | 112 | 110 | 2.58 | 70-130 | 25 |
| TPH as Diesel | Blank | <50 | 1000 | 1000 | 918 | 918 | ug/L | M EPA 8015 | 1/10/04 | 91.8 | 91.8 | 0.0408 | 70-130 | 25 |

Approved By:

KIFF ANALYTICAL, LLC 2795 2nd St, Suite 300 Davis, CA 95616 530-297-4800

Date: 1/16/2004

Project Name: ACFD Station #4

QC Report: Laboratory Control Sample (LCS)

Project Number: 948207.01

| Parameter | Spike Level | Units | Analysis Method | Date Analyzed | LCS Percent Recov. | LCS Percent Recov. Limit | | |
|----------------------|----------------|-------|--------------------|------------------|--------------------------|-----------------------------------|--|--|
| Benzene | 0.0400 | mg/Kg | EPA 8260B | 1/8/04 | 85.4 | 70-130 | | |
| Toluene | 0.0400 | mg/Kg | EPA 8260B | 1/8/04 | 93.9 | 70-130 | | |
| Tert-Butanol | 0.200 | mg/Kg | EPA 8260B | 1/8/04 | 99.2 | 70-130 | | |
| Methyl-t-Butyl Ether | 0.0400 | mg/Kg | EPA 8260B | 1/8/04 | 99.2 | 70-130 | | |
| | | | | | | | | |
| Benzene | 40.0 | ug/L | EPA 8260B | 1/11/04 | 92.7 | 70-130 | | |
| Toluene | 40.0 | ug/L | EPA 8260B | 1/11/04 | 88.7 | 70-130 | | |
| Tert-Butanol | 200 | ug/L | EPA 8260B | 1/11/04 | 95.0 | 70-130 | | |
| Methyl-t-Butyl Ether | 40.0 | ug/L | EPA 8260B | 1/11/04 | 96.8 | 70-130 | | |
| | | | | | | | | |
| Benzene | 40.0 | ug/L | EPA 8260B | 1/8/04 | 95.4 | 70-130 | | |
| Toluene | 40.0 | ug/L | EPA 8260B | 1/8/04 | 99.8 | 70-130 | | |
| Tert-Butanol | 200 | ug/L | EPA 8260B | 1/8/04 | 96.1 | 70-130 | | |
| Methyl-t-Butyl Ether | 40.0 | ug/L | EPA 8260B | 1/8/04 | 97.6 | 70-130 | | |
| | | | | | | | | |
| TPH as Diesel | 20.0 | mg/Kg | M EPA 8015 | 1/9/04 | 109 | 70-130 | | |

KIFF ANALYTICAL, LLC

2795 2nd St, Suite 300 Davis, CA 95616 530-297-4800

Approved By:

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---------|--------------------------------------|-----------|----------|---|--------------------------|---------------------------|------------------------------------|-----------------------------------|----------------------|-----------------------|------------|----------------------------------|--------------|-------------------------|--|---------------------|-----------------------|-------------|-----------|--|---|--------|----|--|--|--|--|
| KIFF | | 2795 2nd Street, Suite 300 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | - | Davis, CA 95616 .ab: 530.297.4800 | | | | | | | | | | | | | Lab No. 36579 Page 1 of | | | | | | | | | | | | | |
| ANALYTICAL LLC | Fax: 5 | | | | | | | L | eb No | . 3 | <u>6</u> | <u>り</u> | <u>"</u> | Page | L. | <u>, </u> | | | | | | | | | | | | |
| Project Contact (Hardcopy or PDF To): Geoffrey 1, Rige | Ca | liforr | nia E | DF I | Chain-of-Custody Record and Analysis Reques | | | | | | | | | | | | | | | | | | | | | | | |
| Company/Address 3140 60 0 | Pleco | mmend | led but n | ot man | + | | | | | | | | | | | | | - | | | | | | | | | | |
| Company/Address 3140 6010 Gettler-Ryan Inc 3140 6010 Ste 170 Rancho Cordons, (A | Sam | npling | Comp | any L | ╗ | | | | Ana | iys | is F | tegi | est | : | | | | TAT | 1 | | | | | | | | | |
| PRODUCTION PAX NO.: | | Gloi | bal ID: | | | | | | | | | | | | | | | | | | | | | | | | | |
| (916) 631-1300 (916) 631-1 | 317 | | - | • | | • | • | | • | | 96 | [| | g | 8 | 89 80 | | 88 | | | <u> </u> | | İ | İ | | | | |
| Project Number: 948207, | EDF | Deliv | erable | To (E | | (8021B/M8015) | | | 808 | 20 7 | EX (82 | | 1,2 EDB - 8260B) | | 8260B) | TOTAL (X) W.E.T. (X) | | ¥ | only Vie | | | | | | | | | |
| Project Name: ACF 9 Station #4 | San | npler S | | TBE (80) | 015) | TPH as Motor Oil (M8015) | TPH Gas/BTEX/MTBE (8260B) | O OXYGENEIGS/ IPM GRS/BIEA (02005) | 7 Oxygenates/TPH Gas/BTEX (8260B) | 7 Oxygenates (8260B) | A & 1. | 1 | Votatile Halocarbons (EPA 8260B) | TOT | | 12 hr/24 hr/48 hr/72 hr 1 wk | For Lab Use Only | | | | | | | | | | | |
| Project Address: | C | ontai | ner | Pr | eserv | Rive | | atrix | ٦, | BTEX/TPH Gas/MTBE | TPH as Diesel (M8015) | 5 | \$ | | Her age | 7 Oxygenates (8260 | Lead Scav. (1,2 DCA | EPA 8260B (Full List) | Tog. | 9.2) | | Ē | 💆 | | | | | |
| | | | | | T | | | 1 | T | ATEX (A021A) | Į, | 98 | fotor | /BTE | SOLE | ates | | 5 | 8 | Social | Lead (7421/239.2) | | 돌 4 | ē | | | | |
| Castro Valley, 14 | | | | | | ദി | 삦 | WATER | | X | | 38 | 88 | 3 | <u> </u> | egy | 5 | 8 8 | 828 | S I | 15 | | 8 | } | | | | |
| Sample Designation Dat | Time | 40 ml VOA | 7 | | 를 다 | 욁 | NONE | § | SOIL | AT H | # H | _ <u>=</u> | Ӗ┃ | E S | <u>[</u> | Õ d | | <u> </u> | FP | Vota | Lear | | 12 h | | | | | |
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| 8-1 160 | 4938 | 4 | | | X | X | | X | | | × | Z | _ | | 1 | | | 1 | 1 | | | | 又 | 0 | | | | |
| 82-5 /6/0 | \$ 1009 | | | | 7 | X | | | X | | X | Z | - | | H | 01 | , i | タ | | T | | | X | 05 | | | | |
| 82-10 1/6/6 | 7 (01) | | | | | X | | T | X | | X | X | | | | | | | | | | | K | 06 | | | | |
| 82-16 V/6/0 | 7-1017 | 1 | | | | 14 | | | X | | 1 | X | _ | \top | | | T | | | | | | X | 0 | | | | |
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| Reinquished by: | Dat | te 1 | î ime | Recei | ived by | y: | | | | | | j | | | | | | | | | | | | | | | | |

Received by Laboratory: WIFF ANALY TICA Bill to:

Distribution: White - Lab, Yellow - File, Pink - Originator

Date Time

Relinquished by:

| Kiff | 2795 2nd Street, Suite 300 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|-----------------------------------|-----------------|--------------|---|---------------------|-------|----------|----------|----------------|--------|------|----------|--------------|-----|--------------|---------------------------------|-----------------------|--------------------------|---------------------------|-----------------------------------|-----------------------------------|----------------------|----------------------|--|-----------------------|----------------------------------|----------------------|-------------------|----------|-------------|------------------------------|------------------|
| KIFF | Davis, CA 95816 | | | | | | | | | | | | | | | | | | | | | _ | | | | | | | | | | |
| ANALYTICAL | ab: 530.297.4800 | | | | | | | | | | | | | | | | | | | 2 | | 5 | \mathcal{V} | ગ | _ | ige _2 |) | . ~ | | | | |
| | ax: 530.297.4808 | | | | | | | | | | | | | | | | | | Lab | No. | <u></u> | <u> </u> | <u> </u> | <u></u> | <u> </u> | Pa | .ge <u></u> | <u> </u> | <u> </u> | | | |
| Project Contact (Hardcopy of Geoffrey), | California EDF Report? ☐ Yes ☑ No | | | | | | | | | | | C | ha | in- | of- | Cu | ıst | od | y F | lec | ore | d a | nd | Ar | naly | /sis | Re | que | st | | | |
| Company/Address: 3140 Gold Comp VI. 6ctiler-Ryan INC 3140 Gold Comp VI. etc 170 Rangto (ordera, (A 95670 Phone No.: FAX No.: (916) 631-1317 Project Number: P.O. No: 94-8207.01 | | | | Recommended but not mendatory to complete this section: | | | | | | | | | | | | | | | | | | | | | | | | | | | L | |
| Settlet Park 110 | daven | /A 954 | 70 | Sampling Company Log Code: | | | | | | | | | | | | | | | Aπ | aly | sis | Re | qu | est | | | | | | | TAT | |
| Phone No.: FA | X No.: | <u>. 4 . 70</u> | - | G | Global ID: | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (916) 63 - 1300 (9 | (16) | 631-13 | 17 | | | • | • | - | - | • | • | - | • | | | 919) | | | | 5 Oxygenates/TPH Gas/BTEX (8260B) | 7 Oxygenates/TPH Gas/BTEX (8280B) | | | Lead Scav. (1,2 DCA & 1,2 EDB - 8260B) | | | TOTAL (X) W.E.T. (X) | | | | | |
| Project Number: P.C | O. No: | | | E | DF Deli | verab | le T | o (En | nail / | \ddre | :(22 | | | 1 | | \$ | | | <u>~</u> | (82 | 8 | | | ģ | İ | 8 | ~ | | į | | | 奎 |
| 948201.01 94 | 14877 | 07,01 | | <u> </u> | | | | | | | | | | | | 2 1 2 | | | 98 | 5 | <u> </u> ₽ | | | 2.5 | | 18 | ફૅ | | , | i / | / ≛ |) ō |
| 948207.01 94 Project Name: ACFO Station | | النس | | S | Sampler Signature: | | | | | | | | | | \ \ | <u>8</u> | <u>چ</u> | 95 | 8 | 88/8 | 9/8 | _ | 8 | 8 1, | | EP. | Į. | | | - [| | 8 |
| ACHU Station | N H | F | | 1 | least. Ruse | | | | | | | | | | | 圓 | 801 | 2 | | Ű | ď | 8 | 326 | <u>چ</u> | E (| 8 | | | 1 | | 172 | 9 |
| Project Address: Miguel Ave Sample | | | | | Conta | ind | | Pro | 98en | /ative | 9 1 | lat | rix | | ଳ | BTEX/TPH Gas/MTBE (8021B/M8015) | TPH as Diesel (M8015) | TPH as Motor Oil (M8015) | TPH Gas/BTEX/MTBE (8280B) | 8/TP | Ę | 5 Oxygenates (8260B) | 7 Oxygenates (8260B) | 2 | EPA 8280B (Full List) | Voletile Halocarbons (EPA 8260B) | Lead (7421/239.2) | | | | 12 hr/24 hr/48 hr/72 hr/1 wk | For Lab Use Only |
| Cost willing | _ [| | | ð | ш | | - 1 | | | | | ~ | | I | BTEX (8021B) | 꽃 | 8 | ğ | 1/BT | age | 8 | 물 | ie E | <u>``</u> | 8 | 읉 | 21/2 | 1 1 | | | E | ις. |
| Castro Valley, /A | | | | 2 | [בַּ | | ı | ١, | รไ | 뿌 | | | _ | ١ | <u>e</u> | 5 | 88 | SE | ð | 8 | 8 | 8 | 8 | န္ | 88 | = | 2 | | | | 22 | 1 |
| Sample Designation | | Date | Time | 6 | SLEEVE | | - 1 | 모 | 2 R | NONE | | WATER | SOL | ļ | ᆲ | # | Ŧ | 푭 | 표 | Š | Õ | Õ | 0 | Lea | Æ | 몽 | e | | | | 12h | |
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| 84-5 | | LAKE | 1133 | | | | ď | | ĺ | | | , | 2 | 1 | , | Z | X | | | F | 10 | 7, | | 9 | | T | <u> </u> | | | + | X | 13 |
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Time Received by Laboratory: WALKITE SIII to:

00704 1041 NATHAN SOROS

Distribution: White - Lab, Yellow - File, Pink - Originator

Date

Relinquished by:

Forms/coc 121001.fh9