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REPORT OF ENVIRONMENTAL INVESTIGATIONS

4919 Tidewater Avenue
Oakland, California

ERAS Project Number 05-001

Prepared for:

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RWL Investments
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Oakland, CA 94601

Prepared by:

ERAS Environmental
May 12, 2006

TABLE OF CONTENTS

CERTIFICATION

This **Report of Environmental Investigations** for 4919 Tidewater Avenue in Oakland, California, has been prepared by ERAS Environmental, Inc. (ERAS) under the professional supervision of the Registered Geologist whose signature appears hereon.

This report was prepared in general accordance with the accepted standard of practice that exists in Northern California at the time the investigation was performed. Judgments leading to conclusions and recommendations are generally made with an incomplete knowledge of the conditions present. More extensive studies, including additional environmental investigations, can tend to reduce the inherent uncertainties associated with such studies.

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Respectfully submitted,

Gail M. Jones
California Registered Geologist 5725

May 12, 2006

1.0 INTRODUCTION

1.1 INTRODUCTION

This report summarizes the results of additional environmental investigations conducted at the Heitz Trucking (formerly DiSalvo Trucking) facility at 4919 Tidewater Avenue (the Property) located in Oakland, California as shown on **Figure 1**. The investigations described herein were conducted in February through April 2006.

The current layout of the Property is shown on **Figure 2**. The Property contains a large concrete warehouse and loading dock building, an office trailer and maintenance building. Outside yard areas are located along the northwest side of the building and a much larger outside yard area occupies the central portion of the Property.

The current owner of the Property, RWL Investments, is planning to demolish the current buildings. After the required remediation, the Property is planned to be redeveloped for residential purposes.

The Property is listed as a fuel leak case and is being overseen by Mr. Barney Chan of the Alameda County Environmental Health Department (ACEHD).

1.2 PURPOSE AND SCOPE OF WORK

Investigations to assess the extent of contamination in soil and groundwater have been conducted on the Property since 1989 when underground diesel fuel tanks, associated pumps, piping and remote fueling hydrants were removed. The results of previous investigations were summarized in ERAS report entitled Technical Summary, Groundwater Monitoring Report for Quarter 3 2005, and Work Plan for Feasibility Study / Remedial Investigation, dated November 4, 2005.

The purpose of the recent environmental investigations were to further assess the vertical and lateral extent of petroleum hydrocarbons in soil and groundwater at the subject site. Further characterization of subsurface conditions such as the thickness of artificial fill was an additional goal. This report also describes activities conducted relating to the installation of observation and dewatering wells for the planned future remediation of contaminated soil and groundwater.

The scope of work conducted by ERAS for this investigation was as follows.

- Perform a survey of all utility lines, both underground and aboveground, that could be affected by planned future investigation and excavation activities.

- Advance a total of nine soil borings, B-1 through B-9, to collect soil and groundwater samples for chemical analysis. Five of these borings were terminated at about 10 feet bgs. Four of these borings were also drilled to a total depth of approximately 30 feet for the collection of additional samples for geotechnical analysis.

- Analyze the soil and groundwater samples collected for total petroleum hydrocarbons as diesel (TPH-d) by EPA Method 8015.

- Install a 36-inch diameter dewatering well and three 2-inch diameter observation wells for an aquifer dewatering test.

- Advance six soil borings, B-10 through B-15, to 10 feet bgs and collect soil and groundwater samples for chemical analysis.

- The soil and groundwater samples from borings B-10 through B-15 were analyzed for total TPH-d and for TPH-d after silica gel cleanup method to remove non-polar naturally occurring hydrocarbons.

- Analyze two selected samples of naturally occurring Bay Mud for TPH-d using the Solubility Threshold Limit Concentration (STLC) test.

- Prepare a summary report of the result of the investigations and well installations.

2.0 WORK PERFORMED

The environmental investigation by ERAS was conducted in four parts. First, ERAS subcontracted Subdynamics Inc, a private underground utility location contractor to locate underground utilities at the site. The results of this investigation, conducted on February 22, 2006 were compiled on the Utility Location Plan presented as **Figure 2**.

Second, ERAS collected soil and groundwater samples for chemical analysis from borings B-1 through B-9. This environmental investigation was planned to coincide with a geotechnical investigation conducted Murray Engineers, Inc. (Murray). The purpose of that investigation was to collect subsurface geotechnical information to be used for the design of a subsurface shoring system to be installed prior to initiation of planned de-watering and soil excavation of the contaminated area. The results of the geotechnical investigation will be presented in a separate report by Murray.

Third, ERAS conducted the installation a dewatering well and four observation wells. Subsequently, Applied Remedial Technologies (ART) performed a dewatering test. ART will present the results of the dewatering testing in a separate report. This information will be used to design a system to extract groundwater prior to planned soil excavation.

Fourth, ERAS conducted an additional environmental investigation to refine the characterization and extent of the contamination. ERAS collected soil and groundwater samples for chemical analysis from borings B-10 through B-15.

For each drilling task, ERAS obtained the appropriate soil boring and well installation permits from the Alameda County Public Works Agency (ACPWA), and prepared a Site Safety Plan. Copies of the drilling permits are included in **Appendix A**. The ACPWA permit for the de-watering well is pending.

2.1 ENVIRONMENTAL AND GEOTECHNICAL INVESTIGATION

On February 24 and 27, 2006, soil borings B-1 through B-9 were advanced in the locations shown on **Figure 3**. Drilling on February 24 was performed by HEW Drilling of East Palo Alto, drilling on February 27, 2006 was performed by Exploration Geoservices of San Jose.

The borings were drilled using 8 ¼-inch hollow stem augers. Soil samples were collected using 18-inch long split spoon samplers driven with a 140 pound hammer. The soil borings were continuously cored for lithologic description by driving a 2-inch diameter sampler 18 inches ahead of the auger and then a 1 1/2-inch sampler was driven an additional 18 inches into the soil below the augers. The Standard Operating Procedures (SOP) for sampling during hollow stem auger drilling is included in **Appendix B**. Soil was logged by ERAS geologist Andrew Savage on February 24, 2006 and ERAS geologist David Siegel on February 27, 2006. Selected soil samples and a groundwater sample was collected from each boring and submitted to a laboratory to be analyzed for total petroleum hydrocarbons as diesel (TPH-d).

During the drilling of borings B-6 through B-9, ERAS was accompanied by geologist Will Carter of Murray Engineers, Inc. After collection of soil samples from the upper 10 feet, these boreholes were continued to depths of approximately 30 feet to collect subsurface information and soil samples for geotechnical analysis.

The boring logs prepared by ERAS are included in **Appendix B**.

2.2 OBSERVATION AND DEWATERING WELL INSTALLATION

On April 7, 2006 four observation wells were installed at the site by BC2 Drilling of San Leandro, California using hollow stem augers. The locations of wells OB-3 through OB-6 are shown on **Figure 3**. The SOP for well installation hollow stem auger drilling is included in **Appendix B**. The well borings were continuously cored for lithologic description. One soil sample from the boring for well OB-5 was kept for chemical analysis of TPH-d.

The wells were constructed on 2-inch diameter PVC with 0.020 inch slots, and #2/12 sand for filter pack. Wells OB-3 and OB-6 and were completed entirely within the fill material with the screened interval from 2 to 7 feet. The annulus was filled with sand filter pack to 1.5 feet bgs, overlain by 0.75 foot of hydrated bentonite, and the remaining annulus filled with neat cement. Well OB-4 was completed in both the fill and natural clay with the screen from 2 feet to 10 feet bgs. The annulus was completed with sand to 2 feet bgs and 1 foot hydrated bentonite. Well OB-5 was screened in the natural clay only, from approximately 10 to 15 feet bgs. The filter pack was filled to 9 feet bgs with 2 feet of hydrated bentonite above the filter pack. The remaining annulus was filled with neat cement. The grout was delivered through tremie pipe to the top of the bentonite, which was underwater, to insure a proper seal. The wells were subsequently developed by ART.

De-watering well EW-1 was drilled on April 14, 2006 by Viking Drillers, Inc. (Viking). The well was drilled using 36-inch solid flight auger for the top few inches and a bucket auger was then used to excavate soil to the total depth. The well was completed with 12-inch diameter PVC well from just below the surface to 15 feet. The annulus was filled with pea gravel to just below the surface. The filter pack will be topped with 0.5 foot of hydrated bentonite. The top of the well was

protected by a steel plate. On April 18, EW-1 was developed by BC2 Drilling. Groundwater was purged by high volume pumping through a 2-inch diameter pipe until the well was completely dewatered. Groundwater was allowed to recover into the well and then was purged dry again. This process was repeated an additional time for three total purging episodes.

The logs for the borings that include the details of the well construction are presented in **Appendix C**.

2.3 ADDITIONAL SOIL BORINGS

On April 12, 2006, ERAS conducted an additional environmental investigation. Soil borings B-10 through B-15 were advanced in the locations shown on **Figure 3** to 10 feet bgs and soil and groundwater samples were collected for analyses. The borings were drilled by Vironex, Inc. of San Leandro using a hydraulic direct push drilling rig. The SOP for hydraulic push borings and sampling is included in **Appendix B**. The borings were logged by ERAS geologist Andrew Savage. The logs for the borings are included in **Appendix C**.

3.0 RESULTS OF INVESTIGATION

3.1 SUBSURFACE CONDITIONS

The site is covered by asphalt underlain by up to 1.5 feet of gravel base rock. In borings B-1 through B-11, material encountered consisted dominantly of sand and gravel locally with silt or clay matrix to depths varying from 2.75 feet bgs to 9 feet bgs. This material appears to be artificial fill used raise the site level above the underlying natural clay deposits.

The artificial fill material was not encountered in borings B-13 through B-15 located near the southeast and southwest property boundaries, nor in boring B-12 located northwest of the UST pit. Under the asphalt and base rock these borings only encountered natural clay deposits. These deposits consist of high plasticity clay with locally abundant plant debris. This clay unit is thought to represent Bay Mud deposited at higher sea level stands.

First water was encountered from 1 foot bgs to 4.75 feet bgs, and is under water table conditions in the artificial fill.

No free phase product (light non-aqueous phase liquid, LNAPL) was observed in the borings. However, heavy hydrocarbon odor and staining was observed in the borings around the former UST pit, (B-2, B-9, B-11 and B-12).

3.2 ANALYTICAL RESULTS

The soil and groundwater samples were submitted to Severn Trent Laboratories, Inc. (STL) in Pleasanton, California for analysis. Soil and groundwater samples were analyzed for diesel range hydrocarbons (TPH-d) by Environmental Protection Agency (EPA) Method 8015B.

Samples collected from the borings B-10 through B-15 drilled on April 12, 2006 were also analyzed for TPH-d using silica gel cleanup method, EPA 3630C. The purpose of this method was to remove

the non-polar diesel range hydrocarbons that would likely represent naturally occurring hydrocarbon compounds.

Selected samples of clay were analyzed for TPH-d using the California Waste Extraction (WET) test. The analyses provides the Soluble Threshold Limit Concentration (STLC) and is a measure of the leachability of TPH-d from the soil. Note these samples were also extracted, the extract was analyzed using the silica gel cleanup method to remove naturally occurring diesel range compounds.

3.2.1 Soil

Table 1 present the available analytical results for soil samples collected at the site. The recent samples collected in February and April are presented in bold type. Laboratory analytical results are included on the laboratory reports in **Appendix D**.

No detectable concentrations of TPH-d were found in soil samples from borings B-4 and B-5 located north of the building, or in soil samples from borings B-13 and B-15 located near the southwest back property boundary.

Concentrations of TPH-d detected in samples of fill material ranged from 1.9 mg/Kg in boring B-2 located adjacent to Tidewater Avenue, up to 5,400 mg/Kg in B-9 located adjacent to the former UST pit.

Concentrations of TPH-d in the natural clay varied from 1.6 mg/Kg in boring B-8 located near the southwest property boundary, up to 1,100 in borings B-2 and B-12, both located near the former UST pit.

Samples collected from borings B-10 through B-15 and the boring for well OB-5 were also analyzed for TPH-d with silica gel cleanup. These results do not appear to differ significantly from the results for the same sample without silica gel cleanup (see **Table 1**).

Two samples were selected for analysis of soluble threshold limit concentration (STLC). The sample of clay collected from 8.5 to 8.75 feet in boring B-11 contained 1.2 mg/Kg total TPH-d (no silica gel cleanup). The STLC analyses of this sample detected 0.69 milligrams per liter (mg/L) total TPH-d and 0.89 mg/L TPH-d with silica gel cleanup. The analysis on the clay sample from 2.5 to 2.75 feet in boring B-12 detected of 990 mg/kg total TPH-d. The STLC analyses of this sample detected 5.1 mg/L total TPH-d, and 2.8 mg/L TPH-d with silica gel cleanup.

3.2.2 Groundwater

The analytical results for groundwater samples are presented in **Table 2**. Concentrations of TPH-d in groundwater samples collected borings B-1 through B-9 ranged from 190 µg/L in boring b-6 located adjacent to Tidewater Avenue, up to 1,3000 µg/L in boring B-9 located adjacent to the former UST pit. In contrast to the soil, analyss of TPH-d with silica gel cleanup was found to yield significantly different results from the TPH-d analysis without silica gel cleanup. TPH-d concentrations in groundwater collected from borings B-10 through B-15 varied from 290 µg/L total TPH-d (<50 µg/L TPH-d with silica gel cleanup) in boring B-10 located adjacent to Tidewater Avenue, up to 32,000,000 total TPH-d (2,500,000 µg/L TPH-d with silica gel cleanup) in location B-12 located northeast of the former UST pit.

4.0 SITE CONCEPTUAL MODEL

4.1 REGIONAL HYDROGEOLOGY

The Property is in the southwestern part of Oakland, in the eastern part of the San Francisco Bay Area. The San Francisco Bay Area occupies the central part of the Santa Clara Valley, a broad alluvial valley that slopes gently northward toward San Francisco Bay and is flanked by alluvial fans deposited at the foot of the Diablo Range to the east and the Santa Cruz Mountains to the west. The upland surfaces rising abruptly approximately four miles to the east of the Property are known as the East Bay Hills.

The Property is at an elevation of approximately five feet above Mean Sea Level according to the United States Geological Survey (USGS) Oakland East Quadrangle California 7.5 Minute Series topographic map. Regionally, topography in the area of the Property slopes down to the west toward San Francisco Bay. However, the area of the Property is very flat with little topographic change.

The Property is located at the eastern edge of San Francisco Bay, on the Bay Plain. The sediments in the vicinity of the Property are fine-grained alluvial sediments that represent distal deposits of alluvial fans that were deposited by rivers draining upland surfaces to the west and east of the Property. These sediments were deposited in a low energy environment on the margins of San Francisco Bay. At shallow depths beneath these sediments are a series of Recent-age (<10,000 years) blue clay layers that become increasingly thicker toward San Francisco Bay. These clay layers are known as the Bay Mud and were deposited in San Francisco Bay during higher stands of sea level. In the vicinity of the Property it is likely that several hundred feet of these sediments overlie sandstone and serpentine sedimentary and metamorphic rocks of the Jurassic-aged Franciscan Formation bedrock.

The regional groundwater flow follows the topography, moving from areas of higher elevation to areas of lower elevation. The regional groundwater flow direction in the area of the Property is estimated to be to the west toward San Francisco Bay. However, the groundwater gradient in this area is likely to vary due to tidal influences and there may not be a dominant groundwater gradient.

4.2 SITE HYDROGEOLOGY

Soil borings drilled on the Property indicate the area of the Property was likely filled to create land and lift the surface roughly 5 feet above the high tide line (Gen-Tech, 1994). The Property is underlain by artificial fill comprised of gravel and sand which may contain debris such as concrete or asphalt as well as silt and clay. The fill is underlain by an organic clay with interbeds of plant material. This material was often logged as peat in previous investigations. The isopach map in **Figure 4** shows the estimated thickness of the artificial fill where the base of the fill is defined by the top of the clay/peat material. The clay unit forms a sort of bowl with the thickness of the fill increasing to the northeast, varying from about 1.5 feet near the southern corner and 4 to 5 feet along the north property boundary to greater than 9 feet along Tidewater Avenue between borings B-1 and B-10.

Top of groundwater has been measured in the monitoring wells from 1.14 to 3.88 feet below top-of-casing. Groundwater in the artificial fill material is unconfined. Based on the results of previous groundwater monitoring events and the close proximity of the Tidal Canal, the groundwater is under tidal influence with daily fluctuations in groundwater flow direction.

4.3 EXTENT OF CONTAMINATION

4.3.1 Contamination in Soil

The estimated concentrations of TPH-d in the fill are illustrated in **Figure 5**. There appears to be two areas of maximum TPH-D concentration in soil overlying the clay. One is around the UST pit. Some of this soil was removed at the time of excavation, however it is likely that residual groundwater contamination including diesel LNAPL re-contaminated the soil that was replaced in this area. The second area extends from the northeast end of the recovery trench to around well MW-2. This appears to be an area where LNAPL advanced through the fill causing heavy contamination.

The estimated concentrations of TPH-d in clay are illustrated in **Figure 6**. The highest concentrations are located around the former UST area. Apparently the original UST pit was excavated into the natural clay thereby exposing the deeper clay areas to significant contamination.

4.3.2 Contamination in Groundwater

The estimated concentrations of TPH-d in groundwater is illustrated on **Figure 7**.

The map shows that the greatest groundwater contamination (TPH-D > 10,000µg/L) is located in the central area of the site between the UST pit, recovery trench and the building, and underlies the central part of the building. Note the iso-concentration map reflects the concentrations obtained from the silica gel cleanup analyses, where available. It should be noted that using these values does not significantly change the overall extent of contamination. However, it is possible the area of contamination above the cleanup goal of 640-µg/L may not extend off-site as previously estimated.

FIGURES


MAPQUEST
0
300m
900ft
Kennedy St
E 7th St
E 9th St
29th Ave
Chapman St
Ford St
Stero Way
Lancaster St
Fruitvale Ave
34th Ave
E 35th Ave
E 9th St
37th Ave
E 8th St
San Leandro St
39th Ave
40th Ave
42nd Ave
Wattling St
International Blvd
E 12th St
44th Ave
45th Ave
46th Ave
47th Ave
48th Ave
49th Ave
50th Ave
51st Ave
Bancroft Way
Bond St
Fremont Way
Ygnacio Ave
Foothill Blvd
Bancroft Ave
Princeton St
Wentworth Ave
Wadean Pl
Crittenden St
Holland St
52nd Ave
53rd Ave
54th Ave
56th Ave
E 10th St
E 15th St
E 16th St
E 17th St
Scoville St
55th Ave
Cole St
Oak St
Park St
Blanding Ave
Clement Ave
Foley St
Tilden Way
Tregloan Ct
Alameda
Alameda Ave
Marina Dr
Windsor Dr
Cambridge Dr
Fremont Dr
Harvard Dr
Yale Dr
Cornell Dr
Gibbons Dr
Thompson Ave
Fairview Ave
Moreland Dr
Janis Cir
Santa Clara Ave
Broadway
Wayne Ct
Pearl St
Versailles Ave
College Ave
Bishop St
Grove St
Van Buren St
Jackson St
Mound St
Court St
Fountain St
Garfield Ave
Liberty Ave
Central Ave
Sterling Ave
Briggs Ave
Encinal Ave
Madison St
Hansen Ave
Eastshore Dr
San Jose Ave
Adams St
Washington St
Fillmore St
Calhoun St
Post St
High St
Bayview Dr
Otis Dr
Krusi Park
Bayo Vista Ave
Fernside Blvd
Tidal Canal
High St
Howard St
Tidewater Ave
Lesser St
880
Reade Rd
Coliseum Way
Oakport St
Southern Pacific
Union Pacific
57th Ave
58th Ave
Seminary Ave
60th Ave
61st Ave
62nd Ave
63rd Ave
64th Ave
Eastlawn St
Tevis St
Maidon St
San Leandro St
66th Ave
69th Ave
71st Ave
Julie Ann Way
Kevin Ct
Independent Rd
Zhone Way
McAfee Coliseum
San Francisco Bay
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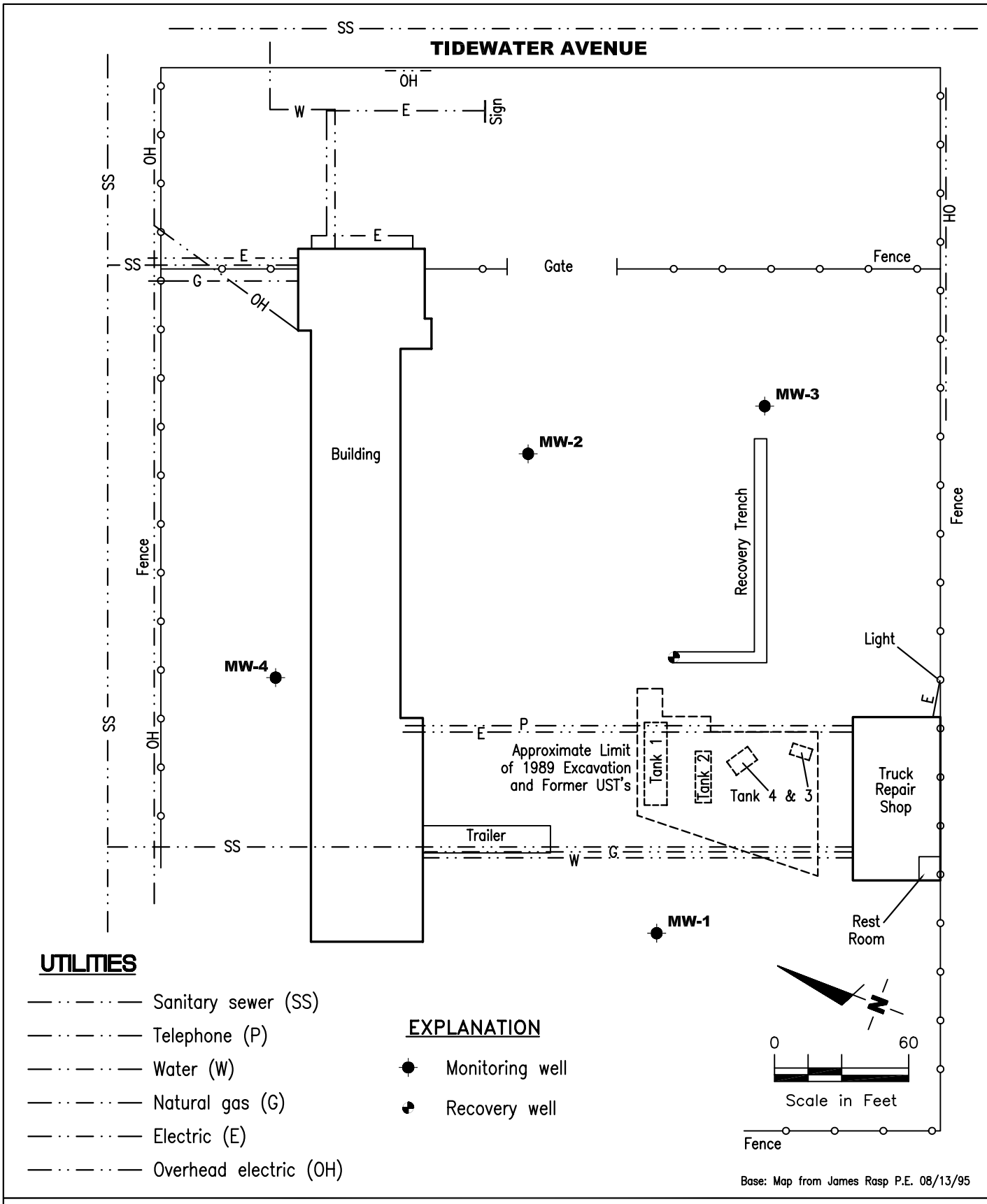
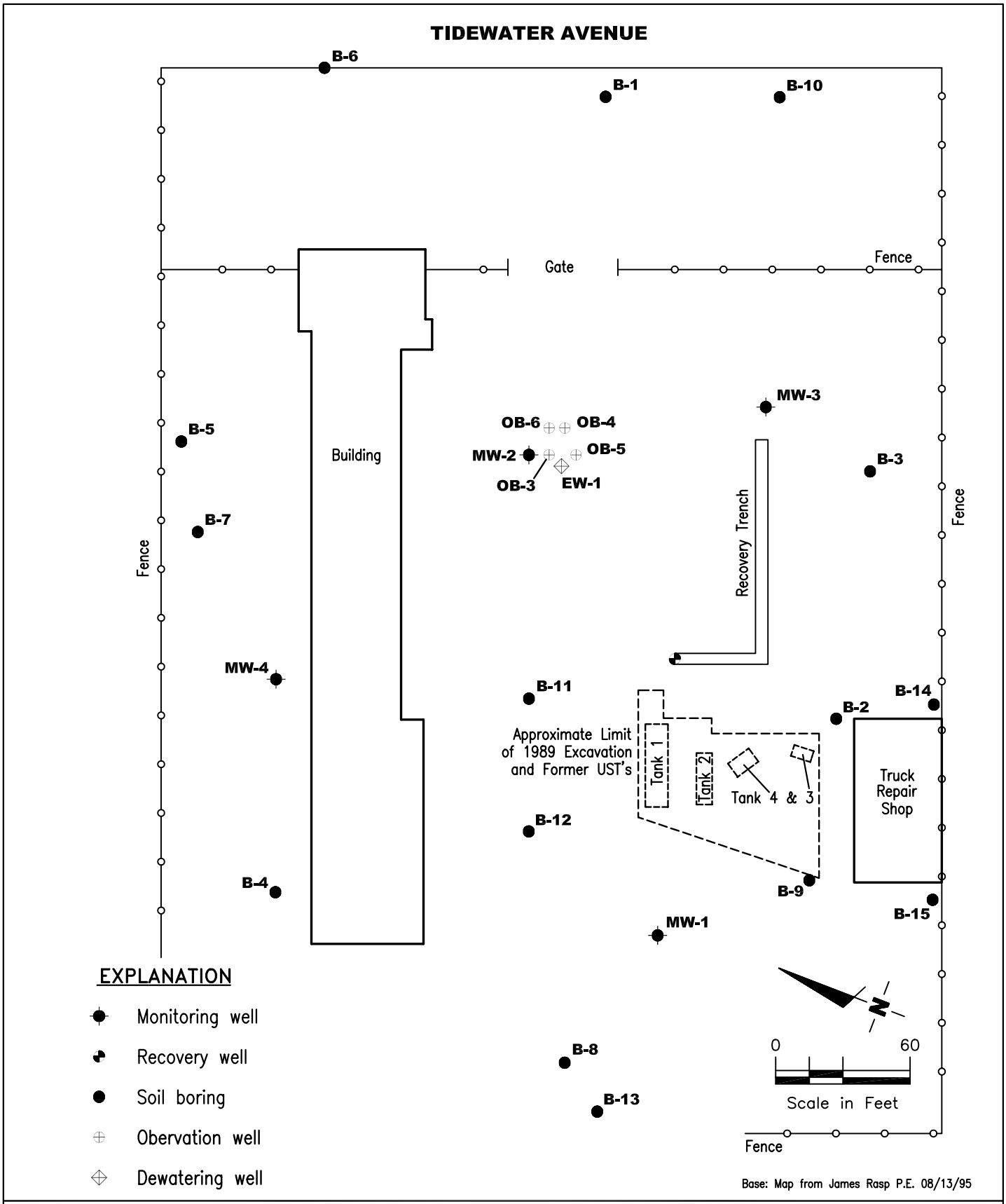


UTILITY LOCATION PLAN

DATE		JOB NUMBER
03/06	**HEITZ TRUCKING**	05-001-06
REVIEWED BY	4919 Tidewater	FIGURE
GJ	Oakland , California	2

ERAS Environmental Inc.

ERAS 05-09-06 Utility Location Plan 03-06.dwg

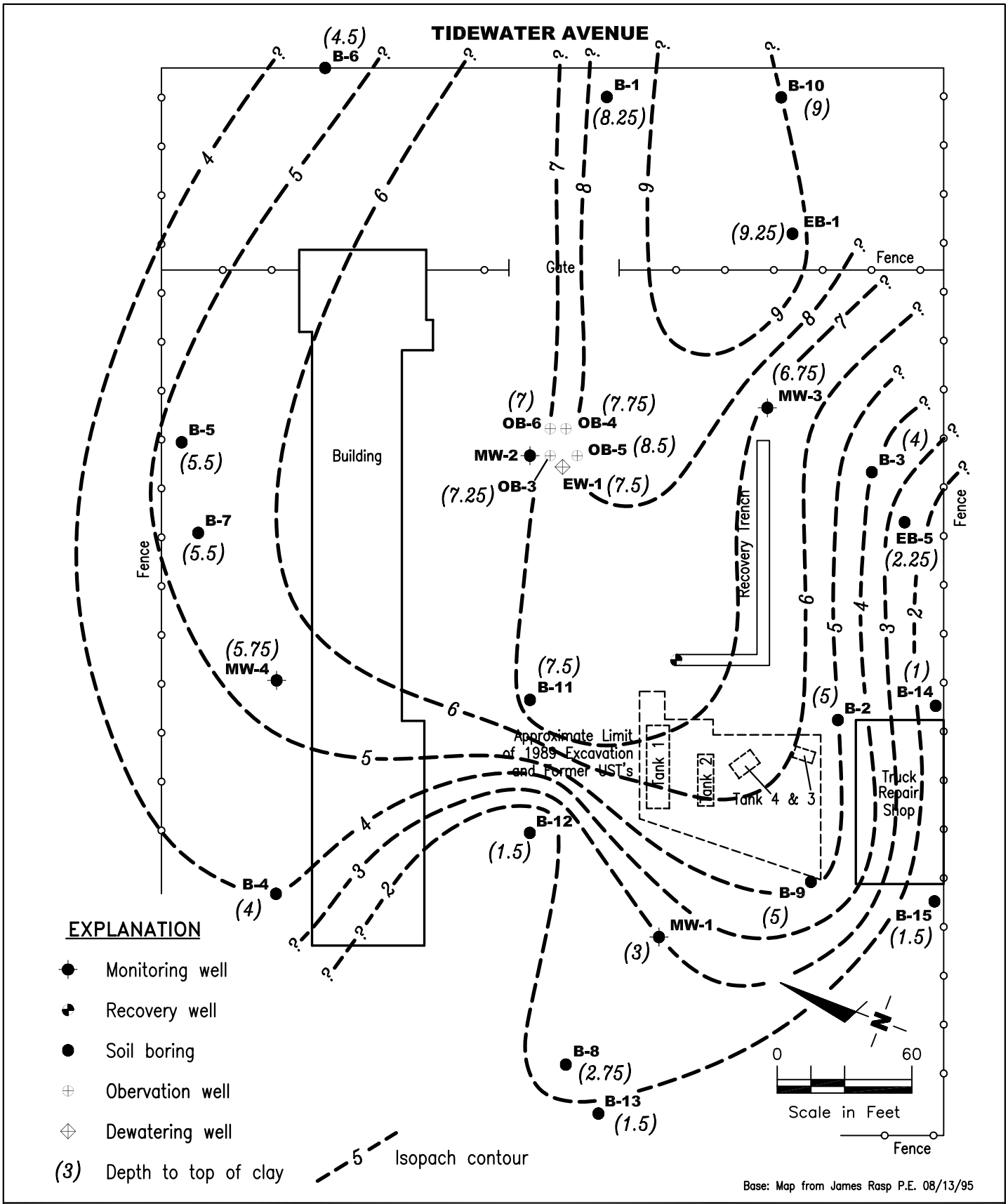


WELL and RECENT BORING LOCATION MAP

DATE		JOB NUMBER
05/06	**HEITZ TRUCKING**	05-001-06
REVIEWED BY	4919 Tidewater	FIGURE
GJ	Oakland , California	3

ERAS Environmental Inc.

ERAS 05-09-06 Recent Wells 05-06.dwg

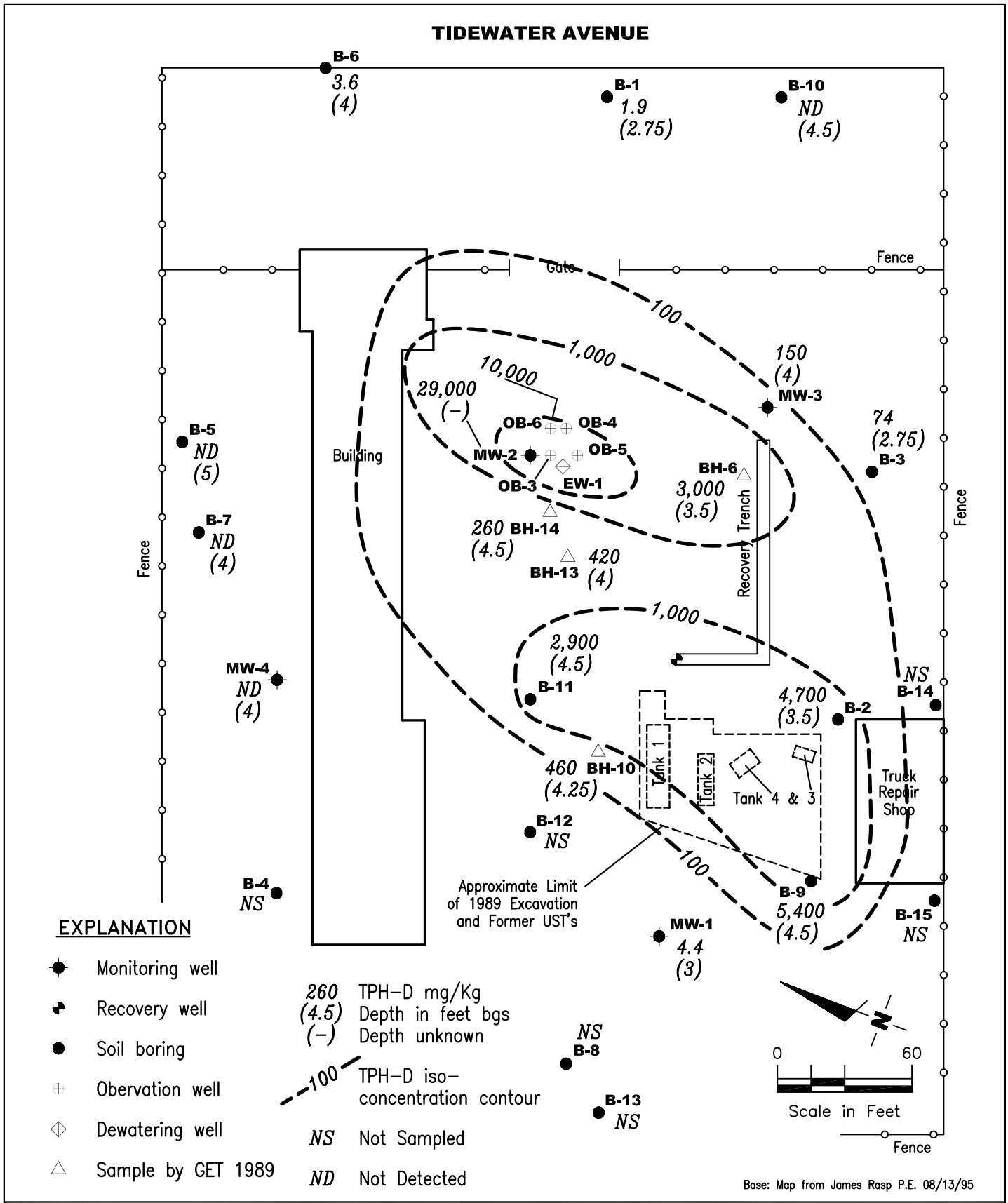


ISOPACH MAP - ESTIMATED THICKNESS of ARTIFICIAL FILL

DATE		JOB NUMBER
05/06	**HEITZ TRUCKING** 4919 Tidewater Oakland , California	05–001–02
REVIEWED BY		FIGURE
GJ		4

ERAS Environmental Inc.

ERAS 05-10-06 Isopach fig 4.dwg

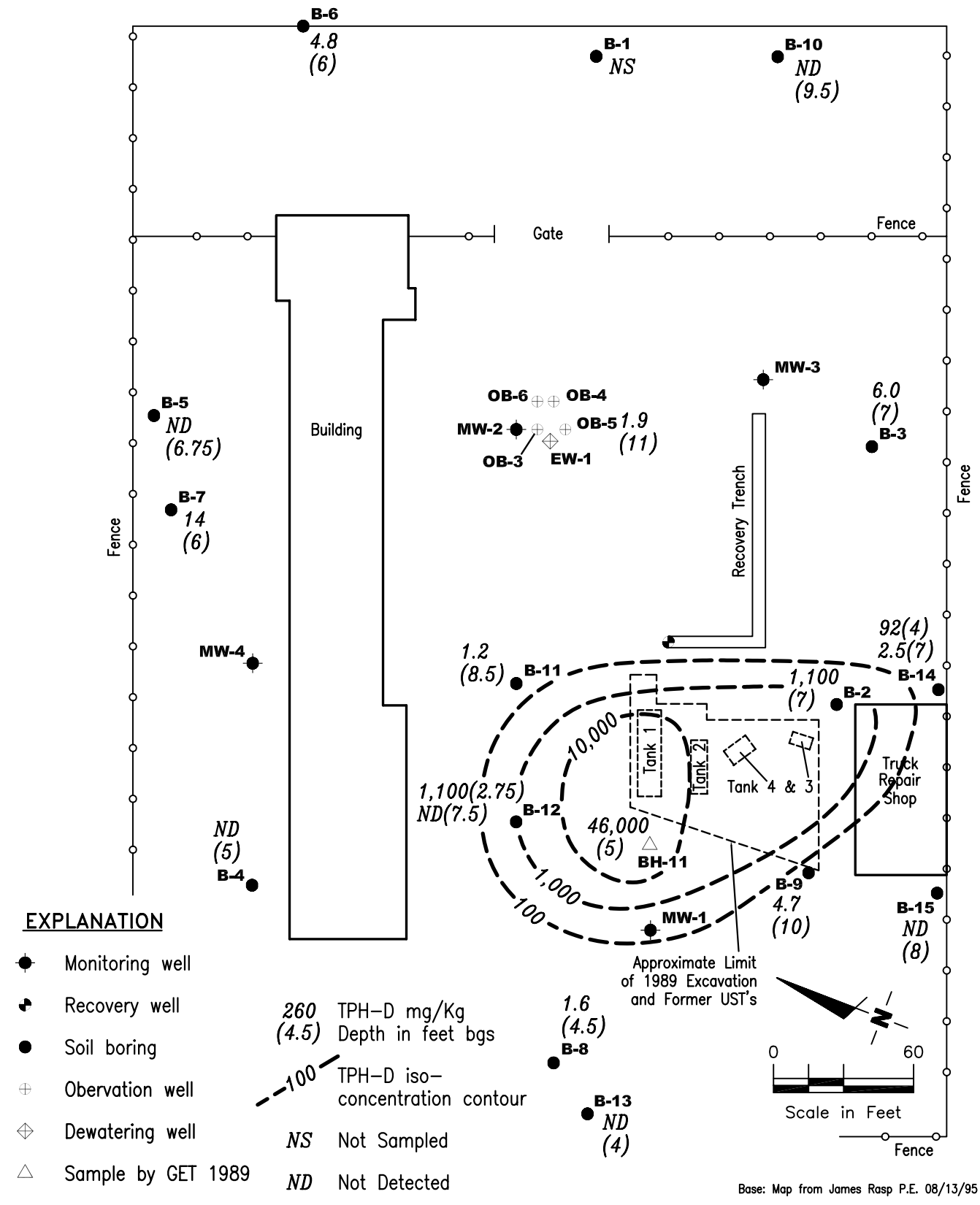


ESTIMATED DISTRIBUTION of TPH-D in FILL MATERIAL

DATE		JOB NUMBER
05/06	**HEITZ TRUCKING**	05–001–02
REVIEWED BY	4919 Tidewater	FIGURE
GJ/AS	Oakland , California	5

ERAS Environmental Inc.

ERAS 05-10-06 TPH-d fill.dwg

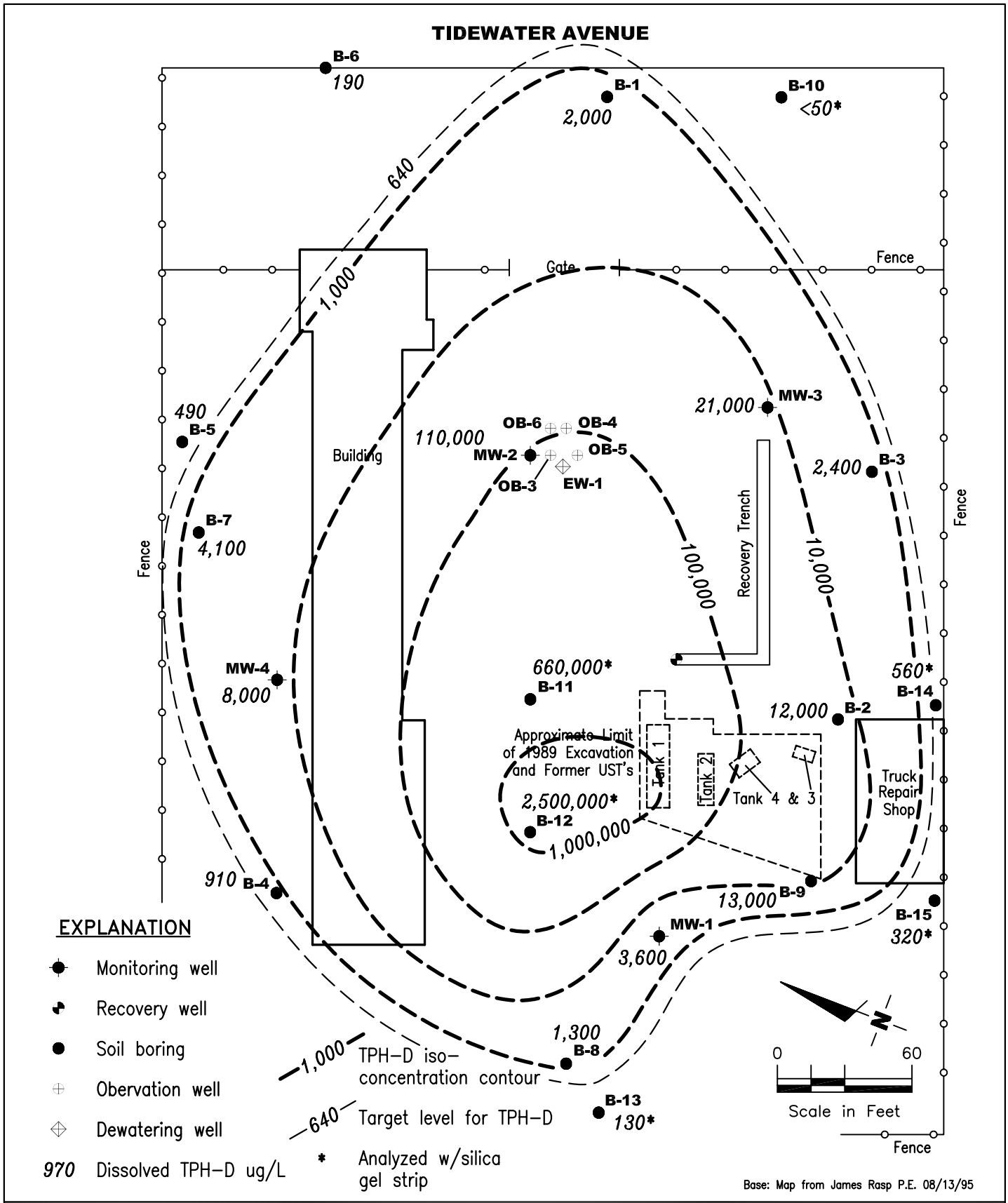


ESTIMATED DISTRIBUTION of TPH-D in CLAY

DATE		JOB NUMBER
05/06	**HEITZ TRUCKING**	05-001-02
REVIEWED BY	4919 Tidewater	FIGURE
GJ/AS	Oakland , California	6

ERAS Environmental Inc.

ERAS 05-10-06 TPH-d clay.dwg



ESTIMATED DISTRIBUTION of TPH-D in GROUNDWATER

DATE		JOB NUMBER
05/06	**HEITZ TRUCKING**	05-001-02
REVIEWED BY	4919 Tidewater	FIGURE
GJ/AS	Oakland , California	7

ERAS Environmental Inc.

ERAS 05-09-06 TPH-d gw.dwg

TABLES

TABLE 1
ANALYTICAL RESULTS FOR SOIL SAMPLES
4919 Tidewater Avenue
Oakland

Sample ID (Boring)	Date	Depth (Ft bgs)	TPH-D (mg/Kg)	TPH-G (mg/Kg)	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Xylenes (mg/Kg)	O & G (mg/Kg)	TPH-WO (mg/Kg)
Excavation										
DST 1	16-Mar-89	29 inches	240	NA	NA	NA	NA	NA	NA	NA
DST 2	16-Mar-89	8.0	110	NA	NA	NA	NA	NA	NA	NA
DST 3	16-Mar-89	7.0	110	NA	NA	NA	NA	NA	15	NA
DS-1	16-Mar-89	6.0	<3	NA	<.02	<.02	<0.1	<.04	29	NA
DS-2	24-Mar-89	6.0	<3	NA	<.02	<.02	<0.1	<.04	59	NA
DS-3	24-Mar-89	Ukn	<3	NA	<.02	<.02	<0.1	<.04	NA	NA
DS-4	24-Mar-89	7.0	64	NA	<.02	<.02	<0.1	<.04	NA	NA
DS-5	24-Mar-89	Unk	<3	NA	<.02	<.02	<0.1	<.04	NA	NA
DS-6	24-Mar-89	Unk	<3	NA	<.02	<.02	<0.1	<.04	NA	NA
WOP-1	24-May-89	Unk	<3,000	NA	<.02	<.02	<.03	<.02	NA	<10,000
WOP-2	24-May-89	Unk	<3,000	NA	<.02	<.02	<.03	<.02	NA	<10,000
Tank 4	27-Mar-89	Unk	<3	<500	<.03	<.03	<0.1	<.05	NA	NA
Line Samples										
SB1	19-Jul-95	4.0	34.0	NA	ND	ND	ND	ND	NA	NA
SB2	19-Jul-95	4.0	ND	NA	ND	ND	ND	ND	NA	NA
Boring										
LS-1 (BH-4)	1-May-89	6.0	<3	NA	NA	NA	NA	NA	NA	NA
LS-2 (BH-3)	1-May-89	6.0	<3	NA	NA	NA	NA	NA	NA	NA
LS-4 (BH-6)	1-May-89	3.5	3,000	NA	NA	NA	NA	NA	NA	NA
LS-6 (BH-7)	2-May-89	6.0	40	NA	NA	NA	NA	NA	NA	NA
LS-9 (BH-10)	3-May-89	4.25	460	NA	NA	NA	NA	NA	NA	NA
LS-10 (BH-11)	3-May-89	5.0	46,000	NA	NA	NA	NA	NA	27,000	NA
LS-11 (BH-13)	3-May-89	4.0	420	NA	NA	NA	NA	NA	NA	NA
LS-12 (BH-14)	3-May-89	4.5	260	NA	NA	NA	NA	NA	NA	NA
LS-16 (BH-16)	4-May-89	3-3.25	<3	NA	NA	NA	NA	NA	NA	NA
LS-18 (BH-18)	4-May-89	3.75-4	<3	NA	NA	NA	NA	NA	NA	NA
LS-21 (BH-21)	5-May-89	4.3	<3	NA	NA	NA	NA	NA	NA	NA
LS-22 (BH-22)	5-May-89	3.3	<3	NA	NA	NA	NA	NA	NA	NA
MW-1	7-Apr-94	3.0	4.4	ND	ND	ND	ND	ND	ND	NA
MW-2	7-Apr-94	Unk	29,000	ND	ND	ND	ND	ND	36,000	NA
MW-3	7-Apr-94	4.0	150	250	0.180	ND	2.1	2.0	ND	NA
EB-3	7-Apr-94	2.0	<1	ND	ND	ND	ND	ND	ND	NA
EB-5	7-Apr-94	2.5-3	<5	ND	ND	ND	ND	ND	ND	NA
EB-6	7-Apr-94	Unk	2.5	ND	ND	ND	ND	ND	180	NA

TABLE 1
ANALYTICAL RESULTS FOR SOIL SAMPLES
4919 Tidewater Avenue
Oakland

Sample ID (Boring)	Date	Depth (Ft bgs)	TPH-D (mg/Kg)	TPH-G (mg/Kg)	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Xylenes (mg/Kg)	O & G (mg/Kg)	TPH-WO (mg/Kg)
EB-8	7-Apr-94	3.0	<1	ND	ND	ND	ND	ND	ND	NA
EB11*	7-Apr-94	Unk	7.5	ND	ND	ND	ND	ND	ND	NA
MW4	19-Jul-95	4.0	<1	NA	<.005	<.005	<.005	<.005	NA	NA
MW4	19-Jul-95	8.0	<1	NA	<.005	<.005	<.005	<.005	NA	NA
SB2	20-Dec-00	6.0	<10	NA	NA	NA	NA	NA	NA	NA
SB5	20-Dec-00	6.5	<10	NA	NA	NA	NA	NA	NA	NA
SB6	20-Dec-00	7.0	<10	NA	NA	NA	NA	NA	NA	NA
SB10	20-Dec-00	6.0	<10	NA	NA	NA	NA	NA	NA	NA
SB12	20-Dec-00	6.5	<10	NA	NA	NA	NA	NA	NA	NA
SB14	20-Dec-00	7.0	<10	NA	NA	NA	NA	NA	NA	NA
SB15	20-Dec-00	6.0	<10	NA	NA	NA	NA	NA	NA	NA
SB16	20-Dec-00	6.5	14	NA	NA	NA	NA	NA	NA	NA
B-1	**24-Feb-06**	**2.75**	**1.9**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
B-2	**24-Feb-06**	**3.5**	**4,700**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
B-2	**24-Feb-06**	**7.0**	**1,100**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
B-3	**24-Feb-06**	**2.75**	**74**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
B-3	**24-Feb-06**	**7.0**	**6.0**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
B-4	**24-Feb-06**	**5.0**	**<0.99**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
B-5	**24-Feb-06**	**5.0**	**<0.99**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
B-5	**24-Feb-06**	**6.75**	**<0.99**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
B-6	**27-Feb-06**	**4.0**	**3.6**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
B-6	**27-Feb-06**	**6.0**	**4.8**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
B-7	**27-Feb-06**	**4.0**	**<0.99**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
B-7	**27-Feb-06**	**6.0**	**14**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
B-8	**27-Feb-06**	**3.0**	**<1.0**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
B-8	**27-Feb-06**	**4.5**	**1.6**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
B-9	**27-Feb-06**	**4.5**	**5,400**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
B-9	**27-Feb-06**	**10.0**	**4.7**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
OB-5	**7-Apr-06**	**11.0**	**1.9 (4.3)**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
B-10	**12-Apr-06**	**4.5**	**<1.0 (<1.0)**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
B-10	**12-Apr-06**	**9.5**	**<0.99 (<0.99)**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
B-11	**12-Apr-06**	**4.5**	**2,900 (3,000)**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
B-11	**12-Apr-06**	**8.5**	**1.2**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
B-11 **	**12-Apr-06**	**8.5**	**0.69** (0.89)**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
B-11	**12-Apr-06**	**8.75**	**<0.99 (<0.99)**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
B-12	**12-Apr-06**	**2.5**	**990**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
B-12 **	**12-Apr-06**	**2.5**	**5.1** (2.8)**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

TABLE 1
ANALYTICAL RESULTS FOR SOIL SAMPLES
4919 Tidewater Avenue
Oakland

Sample ID (Boring)	Date	Depth (Ft bgs)	TPH-D (mg/Kg)	TPH-G (mg/Kg)	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Xylenes (mg/Kg)	O & G (mg/Kg)	TPH-WO (mg/Kg)
B-12	**12-Apr-06**	**2.75**	**1,100 (1,300)**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
B-12	**12-Apr-06**	**7.5**	**<0.99 (<1.0)**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
B-13	**12-Apr-06**	**4.0**	**<0.99 (<0.99)**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
B-14	**12-Apr-06**	**4.0**	**92 (73)**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
B-14	**12-Apr-06**	**7.5**	**2.5 (1.9)**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
B-15	**12-Apr-06**	**8.0**	**<0.99 (<1.0)**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Location Uknown										
DS-1	20-Jun-89	Unk	<20	NA	0.092	<.05	<.05	1.456	NA	NA
DS-2	20-Jun-89	Unk	4,310	NA	<.05	<.05	0.19	0.645	NA	NA
DS-3	20-Jun-89	Unk	1,690	NA	<.05	<.05	<.05	0.284	NA	NA
DS-4	20-Jun-89	Unk	420	NA	0.197	<.05	<.05	<.05	NA	NA
LS-1	15-Jun-90	Unk	9.0	NA	NA	NA	NA	NA	NA	NA
LS-2	15-Jun-90	Unk	ND	NA	NA	NA	NA	NA	NA	NA
LS-3	15-Jun-90	Unk	ND	NA	NA	NA	NA	NA	NA	NA
LS-4	15-Jun-90	Unk	ND	NA	NA	NA	NA	NA	NA	NA
LS-5	15-Jun-90	Unk	ND	NA	NA	NA	NA	NA	NA	NA
LS-6	15-Jun-90	Unk	ND	NA	NA	NA	NA	NA	NA	NA
ESL			**100**	**100**	**0.18**	**9.3**	**32**	**11**	**500**	**-**

NOTES

TPH-D = Total petroleum hydrocarbons quantitated as diesel. Results with silica gell cleanup in parentheses.
TPH-G = Total petroleum hydrocarbons quantitated as gasoline
MTBE = Methyl tertiary butyl ether by EPA Method 8020, with confirmation by EPA Method 8260B.
O&G = Oil and Grease
TPH-WO = Total petroleum hydrocarbons quantitated as waste oil
<50 = Analyte not detected above the laboratory method reporting limit indicated.
ND = Analyte not detected above the laboratory method reporting limit indicated.
ESL=Environmental Screening Levels shallow soil, residental land use, not potential drinking water
NA = Not Analyzed
Unk = unknown sample depth
* = Report as CB in oil and grease results by laboratory
** = Soluble Threshold Limit Concentration Results in milligrams per liter

TABLE 2
ANALYTICAL RESULTS FOR GROUNDWATER GRAB-SAMPLES
4919 Tidewater Avenue

Oakland, California

Well Number Sample Date	Date	TPH-D	TPH-G	Benzene	Toluene	Ethylbenzene	Xylenes	O&G	VOC
		all results in micrograms per liter							
WS-1(BH2)	5/2-3/89	<80	NA	NA	NA	NA	NA	NA	NA
WS-1	16-May-89	NA	NA	110	41	1,000	120	NA	8,000
WS-2	16-May-89	690,000	NA	NA	NA	NA	NA	NA	NA
WWOP-1	24-May-89	<100	NA	<2	120	260	3,300	36,000	ND
SB1-GW	20-Dec-00	<100	NA	NA	NA	NA	NA	NA	NA
SB2-GW	20-Dec-00	26,000	NA	NA	NA	NA	NA	NA	NA
SB3-GW	20-Dec-00	<100	NA	NA	NA	NA	NA	NA	NA
SB4-GW	20-Dec-00	<100	NA	NA	NA	NA	NA	NA	NA
SB5-GW	20-Dec-00	110,000	NA	NA	NA	NA	NA	NA	NA
SB6-GW	20-Dec-00	230,000	NA	NA	NA	NA	NA	NA	NA
SB7-GW	20-Dec-00	<100	NA	NA	NA	NA	NA	NA	NA
SB8-GW	20-Dec-00	<100	NA	NA	NA	NA	NA	NA	NA
SB9-GW	20-Dec-00	<100	NA	NA	NA	NA	NA	NA	NA
SB10-GW	20-Dec-00	670,000	NA	NA	NA	NA	NA	NA	NA
SB11-GW	20-Dec-00	<100	NA	NA	NA	NA	NA	NA	NA
SB12-GW	20-Dec-00	190,000	NA	NA	NA	NA	NA	NA	NA
SB13-GW	20-Dec-00	<100	NA	NA	NA	NA	NA	NA	NA
SB14-GW	20-Dec-00	44,000	NA	NA	NA	NA	NA	NA	NA
SB15-GW	20-Dec-00	48,000	NA	NA	NA	NA	NA	NA	NA
SB16-GW	20-Dec-00	2,000	NA	NA	NA	NA	NA	NA	NA
EB-1GWS	7-Apr-94	240	ND	ND	ND	ND	ND	ND	NA
EB-2GWS	7-Apr-94	64,000	2,500	ND	1.2	ND	ND	100	NA
EB-3GWS	7-Apr-94	330	ND	ND	ND	ND	ND	ND	NA
EB-4GWS	7-Apr-94	73,000	200	200	ND	0.80	4.4	38	NA
EB-5GWS	7-Apr-94	<50	ND	ND	ND	ND	ND	ND	NA
EB-6GWS	7-Apr-94	650	94	ND	ND	ND	ND	ND	NA
EB-7GWS	7-Apr-94	<50	ND	ND	ND	ND	ND	ND	NA
EB-8GWS	7-Apr-94	<50	ND	ND	ND	ND	ND	ND	NA
EB-9GWS	7-Apr-94	<50	ND	ND	ND	ND	ND	ND	NA
EB-10GWS	7-Apr-94	220	ND	ND	ND	ND	ND	3.4	NA
EB-11GWS	7-Apr-94	290	ND	ND	ND	ND	ND	ND	NA
B-1	**24-Feb-06**	**2,000**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
B-2	**24-Feb-06**	**12,000**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
B-3	**24-Feb-06**	**2,400**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
B-4	**24-Feb-06**	**910**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

TABLE 2
ANALYTICAL RESULTS FOR GROUNDWATER GRAB-SAMPLES
4919 Tidewater Avenue

Oakland, California

Well Number Sample Date	Date	TPH-D	TPH-G	Benzene	Toluene	Ethylbenzene	Xylenes	O&G	VOC
		all results in micrograms per liter							
B-5	**24-Feb-06**	**490**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
B-6	**27-Feb-06**	**190**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
B-7	**27-Feb-06**	**4,100**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
B-8	**27-Feb-06**	**1,300**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
B-9	**27-Feb-06**	**13,000**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
B-10	**12-Apr-06**	**290 (<50)**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
B-11	**12-Apr-06**	**1,800,000 (660,000)**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
B-12	**12-Apr-06**	**32,000,000 (2,500,000)**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
B-13	**12-Apr-06**	**1,100 (130)**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
B-14	**12-Apr-06**	**4,700 (560)**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
B-15	**12-Apr-06**	**1,400 (320)**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
ESL		**640**	**500**	**46**	**130**	**290**	**100**	**640**	-

NOTES

TPH-G = Total petroleum hydrocarbons quantitated as gasoline

TPH-D = Total petroleum hydrocarbons quantitated as diesel. Results with silica gell cleanup in parentheses.

MTBE = Methyl tertiary butyl ether

<50 = Analyte not detected above the laboratory method reporting limit indicated.

ND = Analyte not detected above the laboratory method reporting limit indicated.

ESL = Environmental Screening Levels for groundwater that is not potential drinking water

NA = Not Analyzed

O&G = Oil and Grease

VOC= Volatile Organic Compounds, no more specific information avialable in GenTech 24 March 1994, and original report not found during file review.

TABLE 3
ANALYTICAL RESUTLS FOR MONITORING WELL GROUNDWATER SAMPLES
4919 Tidewater Avenue
Oakland, California

Well Number Sample Date	TPH-D	TPH-G	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE
	all results in micrograms per liter						
MW-1							
14-Apr-94	ND	ND	ND	ND	ND	ND	NA
17-Nov-94	ND	ND	ND	ND	ND	ND	1,100
13-Aug-95	ND	ND	ND	ND	ND	ND	NA
26-May-99	ND	60	0.6	ND	0.8	1.9	ND
23-Aug-99	ND	NA	ND	ND	ND	ND	NA
16-Oct-00	150	<50	<0.5	<0.5	<0.5	<0.5	NA
26-Apr-01	1,300	<50	<0.5	<0.5	<0.5	<0.5	NA
5-Sep-02	<50	NA	<0.5	<0.5	<0.5	<1	9.8
18-Aug-05	410(x)	<50	<1	<1	<1	<1	6.0
25-Jan-06*	**3,600**	<50	2.3	<0.5	<0.5	1.2	11
MW-2							
14-Apr-94	FP	FP	FP	FP	FP	FP	NA
17-Oct-94	28,000	ND	ND	ND	ND	ND	NA
13-Aug-95	180	ND	ND	ND	ND	ND	NA
26-May-99	120	ND	ND	ND	ND	ND	ND
23-Aug-99	61	NA	ND	ND	ND	ND	NA
16-Oct-00	3,400	570	<0.5	<0.5	<0.5	<0.5	NA
26-Apr-01	57,000	2,400	<0.5	<0.5	<0.5	<0.5	NA
5-Sep-02	27,100	NA	<0.5	<0.5	<0.5	<1	5.1
18-Aug-05	13,300	<50	<10	<10	<10	<10	<30
25-Jan-06*	**110,000**	**1,200**	<10	<10	<10	<20	<10

TABLE 3
ANALYTICAL RESUTLS FOR MONITORING WELL GROUNDWATER SAMPLES
4919 Tidewater Avenue
Oakland, California

Well Number Sample Date	TPH-D	TPH-G	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE
	all results in micrograms per liter						
MW-3							
14-Apr-94	7,700	250	ND	ND	ND	1.2	NA
17-Oct-94	160,000	ND	ND	ND	ND	ND	NA
13-Aug-95	1,500	ND	ND	ND	ND	ND	NA
26-May-99	1,100	160	1.6	1.1	16	54.00	ND
23-Aug-99	84	NA	ND	ND	ND	ND	NA
16-Oct-00	42,000	130	0.52	<0.5	<0.5	<0.5	NA
26-Apr-01	21,000	310	<0.5	<0.5	<0.5	<0.5	NA
5-Sep-02	1,990	NA	<0.5	<0.5	<0.5	<1	31.1
18-Aug-05	FP	FP	FP	FP	FP	FP	FP
25-Jan-06*	**21,000**	440	<2.5	<2.5	<2.5	<5.0\	29
MW-4							
13-Aug-95	ND	450	2.1	0.7	4.1	13	NA
26-May-99	100	600	0.7	ND	ND	5.8	ND
23-Aug-99	180	NA	ND	ND	ND	ND	NA
16-Oct-00	75,000	890	<0.5	<0.5	<0.5	11	NA
26-Apr-01	24,000	2,100	<0.5	<0.5	<0.5	<0.5	NA
5-Sep-02	17,000	NA	<0.5	<0.5	<0.5	<1	1.2
18-Aug-05	6,200	<50	<1	<1	<1	<1	<3
25-Jan-06	**8,200**	110	2.0	0.87	<0.5	2.3	4.5
SUMP 1							
23-Aug-99	140	NA	ND	ND	ND	ND	NA
ESL	640	500	46	130.00	290	100	8,000

NOTES
TPH-D = Total petroleum hydrocarbon quantitated as diesel.
TPH-G = Total petroleum hydrocarbon quantitated as gasoline.
MTBE = Methyl tertiary butyl ether.
FP=Floating Product, monitoring well sample not collected
NA = Not analyzed.
<50 = Analyte not detected above the laboratory method reporting limit indicated.
ND = Analyte not detected above the laboratory method reporting limit indicated.
* = Q1 06 TPH-D sample collected on 2-Feb-06
(x) = Chromatogram does not resemble the typical diesel pattern.
ESL = Environmental Screening Levels for groundwater that is not potentioal groundwater

Appendix A

SOIL BORING PERMITS

ALAMEDA COUNTY PUBLIC WORKS AGENCY
Water Resources Section, Attn: James Yoo
399 Elmhurst Street, Hayward, CA 94544-1395
Phone: (510) 670-6633 Fax: (510) 782-1939
General Info: www.acgov.org/pwa/wells or email at wells@acpwa.org

DRILLING PERMIT APPLICATION

Applicants: Please attach a site map for all drilling permit applications.

Location of Project: 4919 Tidewater Avenue

City: Oakland

Project start date: February 23, 2006 Project completion date: February 24, 2006

PROPERTY OWNER

Name: Bob Lawlor
Address: 4919 Tidewater Avenue
City, State, Zip: Oakland, CA 94601
Phone: (510) 434-0176
E-mail Address: bobldwlr@sbcglobal.net

APPLICANT

Name: David Siegel
Address: EKAS Environmental, Inc.
City, State, Zip: 1533 B Street, Hayward, CA 94541
Phone: (510) 247-9885
E-mail Address: dave@ekas.biz
cc E-mail Address

WORK CATEGORIES

Type of Project

Well Construction		Geotechnical Investigation	
Cathodic Protection	☐	General	☒
Water Supply	☐	Contamination	☒
Monitoring	☐	Well Destruction	☐

Proposed Water Supply Well Use

New Domestic	☐	Industrial	☐	Replacement Domestic	☐
Municipal	☐	Irrigation	☐	Other	☐

Drilling Method

Mud Rotary	☐	Air Rotary	☐	Auger	☒
Cable	☐	Other	☐		

Driller's Name: HEW Drilling Co., Inc. Driller's License No.: 604987

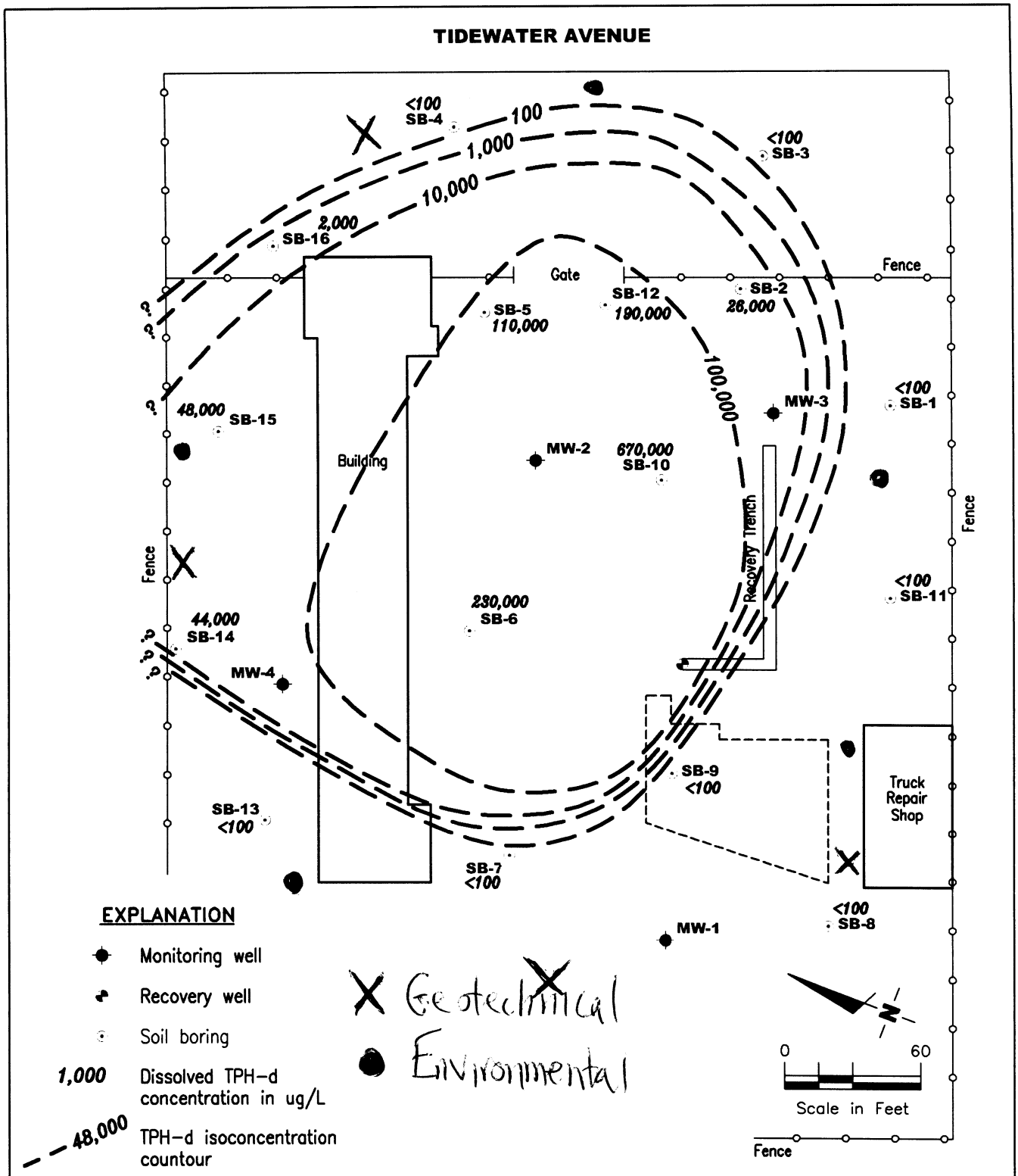
WELL PROJECTS

Owner Well ID	Drill Hole Diameter (in.)	Casing Diameter (in.)	Surface Seal Depth (ft.)	Max. Depth (ft.)	Latitude	Longitude
1						
2						
3						
4						
5						
6						

GEOTECHNICAL/ENVIRONMENTAL/CONTAMINATION PROJECTS

	Number of Boreholes	Hole Diameter (in.)	Max. Depth (ft.)
1	4	8"	40
2	5	8"	15

Applicant's Signature David Siegel Approved by:



DATE
08-05

REVIEWED BY
GJ

HEITZ TRUCKING
4919 Tidewater
Oakland , California

JOB NUMBER
05-001-02

FIGURE
7

ERAS Environmental Inc.

ERAS 08-01-05 THKD-GW.dwg

Alameda County Public Works Agency - Water Resources Well Permit

399 Elmhurst Street
Hayward, CA 94544-1395
Telephone: (510)670-6633 Fax:(510)782-1939

Application Approved on: 02/21/2006 By jamesy **Receipt Number: WR2006-0083**
Permits Issued: W2006-0136 to W2006-0137 **Permits Valid from 02/23/2006 to 02/24/2006**

Application Id: 1140042516038 **City of Project Site:** Oakland
Site Location: 4919 Tidewater Avenue, Oakland, CA 94601
Project Start Date: 02/23/2006 **Completion Date:** 02/24/2006

Applicant: ERAS Environmental - David Siegel **Phone:** 510-247-9885
1533 B St., Hayward, CA 94541
Property Owner: Robert Lawlor **Phone:** 510-434-0176
4919 Tidewater Avenue, Oakland, CA 94601
Client: ** same as Property Owner **

Total Due: $400.00
Total Amount Paid: $400.00
Payer Name : Eras Environmental Inc. Paid By: CHECK **PAID IN FULL**

Works Requesting Permits:

Borehole(s) for Investigation-Geotechnical Study/CPT's - 4 Boreholes
Driller: HEW Drilling Co. Inc. - Lic #: 604987 - Method: auger **Work Total: $200.00**

Specifications

Permit Number	Issued Dt	Expire Dt	# Boreholes	Hole Diam	Max Depth
W2006-0136	02/21/2006	05/24/2006	4	8.00 in.	40.00 ft

Specific Work Permit Conditions

1. Backfill bore hole by tremie with cement grout or cement grout/sand mixture. Upper two-three feet replaced in kind or with compacted cuttings. All cuttings remaining or unused shall be containerized and hauled off site.

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. 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.

4. 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 statutes 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.

5. Cuttings may also be left on site or spread out as long as the applicants has approval from the property owner and the cuttings will not violate the State and County Clean Water laws (NPDES).

6. Copy of approved drilling permit must be on site at all times. Failure to present or show proof of the approved permit

application on site shall result in a fine of $500.00.

7. Permit is valid only for the purpose specified herein. No changes in construction procedures, as described on this permit application. Boreholes shall not be converted to monitoring wells, without a permit application process.

8. Spot Check Only
Inspector does not have to be present for grout Inspection.

Borehole(s) for Investigation-Environmental/Monitorinig Study - 5 Boreholes
Driller: HEW Drilling Co. Inc. - Lic #: 604987 - Method: auger **Work Total: $200.00**

Specifications

Permit Number	Issued Dt	Expire Dt	# Boreholes	Hole Diam	Max Depth
W2006-0137	02/21/2006	05/24/2006	5	8.00 in.	15.00 ft

Specific Work Permit Conditions

1. Backfill bore hole by tremie with cement grout or cement grout/sand mixture. Upper two-three feet replaced in kind or with compacted cuttings. All cuttings remaining or unused shall be containerized and hauled off site.

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. 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.

4. Copy of approved drilling permit must be on site at all times. Failure to present or show proof of the approved permit application on site shall result in a fine of $500.00.

5. Permit is valid only for the purpose specified herein. No changes in construction procedures, as described on this permit application. Boreholes shall not be converted to monitoring wells, without a permit application process.

6. Spot Check Only
Inspector does not have to be present for grout Inspection.

Alameda County Public Works Agency - Water Resources Well Permit

399 Elmhurst Street
Hayward, CA 94544-1395
Telephone: (510)670-6633 Fax:(510)782-1939

Application Approved on: 03/31/2006 By jamesy
Permits Issued: W2006-0236 to W2006-0238

Receipt Number: WR2006-0147
Permits Valid from 04/07/2006 to 04/07/2006

Application Id: 1143835597527
Site Location: 4919 Tidewater Avenue
Project Start Date: 04/07/2006

City of Project Site: Oakland

Completion Date: 04/07/2006

Applicant: ERAS Environmental, Inc. - Andrew Savage
1533 B Street, Hayward, CA 94541
Phone: 510-247-9885

Property Owner: Bob Lawlor
4919 Tidewater Avenue, Oakland, CA 94601
Phone: 510-434-0176

Client: ** same as Property Owner **

Total Due: $900.00
Total Amount Paid: $900.00
Payer Name : Andrew Savage Paid By: MC **PAID IN FULL**

Works Requesting Permits:

Well Construction-Monitoring-Monitoring - 3 Wells
Driller: BC2 Drilling - Lic #: 686255 - Method: hstem

Work Total: $900.00

Specifications

Permit #	Issued Date	Expire Date	Owner Well Id	Hole Diam.	Casing Diam.	Seal Depth	Max. Depth
W2006-0236	03/31/2006	07/06/2006	MW-5	8.00 in.	2.00 in.	3.00 ft	10.00 ft
W2006-0237	03/31/2006	07/06/2006	MW-6	8.00 in.	2.00 in.	3.00 ft	10.00 ft
W2006-0238	03/31/2006	07/06/2006	MW-7	8.00 in.	2.00 in.	10.00 ft	15.00 ft

Specific Work Permit Conditions

1. 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.

2. 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 statutes 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.

3. Prior to any drilling activities, it shall be the applicant's responsibility to contact and coordinate an Underground Service Alert (USA), obtain encroachment permit(s), excavation permit(s) or any other permits or agreements required for that Federal, State, County or City, and follow all City or County Ordinances. No work shall begin until all the permits and requirements have been approved or obtained.

4. Compliance with the well-sealing specifications shall not exempt the well-sealing contractor from complying with appropriate State reporting-requirements related to well destruction (Sections 13750 through 13755 (Division 7, Chapter 10, Article 3) of the California Water Code). Contractor must complete State DWR Form 188 and mail original to the

Alameda County Public Works Agency, Water Resources Section, within 60 days. Including permit number and site map.

5. Applicant shall contact James Yoo for an inspection time at 510-670-6633 at least five (5) working days prior to starting, once the permit has been approved. Confirm the scheduled date(s) at least 24 hours prior to drilling.

6. Wells shall have a Christy box or similar structure with a locking cap or cover. Well(s) shall be kept locked at all times. Well(s) that become damaged by traffic or construction shall be repaired in a timely manner or destroyed immediately (through permit process). No well(s) shall be left in a manner to act as a conduit at any time.

7. Minimum surface seal thickness is two inches of cement grout placed by tremie

8. Minimum seal depth for monitoring wells is 5 feet below ground surface(BGS) or the maximum depth practicable or 20 feet.

9. Copy of approved drilling permit must be on site at all times. Failure to present or show proof of the approved permit application on site shall result in a fine of $500.00.

Alameda County Public Works Agency - Water Resources Well Permit

399 Elmhurst Street
Hayward, CA 94544-1395
Telephone: (510)670-6633 Fax:(510)782-1939

Application Approved on: 04/05/2006 By suel **Receipt Number: WR2006-0156**
Permits Issued: W2006-0247 **Permits Valid from 04/12/2006 to 04/12/2006**

Application Id: 1144174349062 **City of Project Site:**Oakland
Site Location: 4919 Tidewater Avenue
Project Start Date: 04/12/2006 **Completion Date:**04/12/2006

Applicant: ERAS Environmental, Inc. - Andrew Savage **Phone:** 510-247-9885
1533 B Street, Hayward, CA 94541
Property Owner: Bob Lawlor **Phone:** --
4919 Tidewater Avenue, Oakland, CA 94601
Client: ** same as Property Owner **

Total Due: $200.00
Total Amount Paid: $200.00
Payer Name : Andrew Savage Paid By: MC **PAID IN FULL**

Works Requesting Permits:

Borehole(s) for Investigation-Environmental/Monitorinig Study - 7 Boreholes
Driller: Vironex Inc. - Lic #: 705927 - Method: DP **Work Total: $200.00**

Specifications

Permit Number	Issued Dt	Expire Dt	# Boreholes	Hole Diam	Max Depth
W2006-0247	04/05/2006	07/11/2006	7	2.00 in.	15.00 ft

Specific Work Permit Conditions

1. Backfill bore hole by tremie with cement grout or cement grout/sand mixture. Upper two-three feet replaced in kind or with compacted cuttings. All cuttings remaining or unused shall be containerized and hauled off site.

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. 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.

4. Copy of approved drilling permit must be on site at all times. Failure to present or show proof of the approved permit application on site shall result in a fine of $500.00.

5. Permit is valid only for the purpose specified herein. No changes in construction procedures, as described on this permit application. Boreholes shall not be converted to monitoring wells, without a permit application process.

6. Spot check only. Inspector does not need to be present for grout inspection.

Appendix B

STANDARD OPERATING PROCEDURES

STANDARD OPERATING PROCEDURE –
HOLLOW-STEM AUGER DRILLING AND SOIL SAMPLING

Borings to be drilled with a hollow-stem auger shall be hand dug to a depth of 4 feet below ground surface. Soil samples shall be collected by driving a modified California-type split-spoon sampler at the base of the boring ahead of the augers. No fluids other than water will be used in drilling.

Undisturbed (intact) soil samples shall be recovered from soil borings without introducing liquids into the borings. Soil samples as core or cuttings shall be taken continuously from ground surface to termination depth (TD), or through the aquifer zone of interest for lithologic logging.

Soils from all borings shall be described in detail using the Unified Soil Classification System and shall be logged by a professional geologist, civil engineer, or engineering geologist who is registered or certified by the State of California and who is experienced in the use of the Unified Soil Classification System. A technician, non-registered geologist, or civil engineer trained and experienced in the use of the Unified Soil Classification System who is working under the direct supervision of one of the aforementioned professionals shall be qualified to log borings, provided the aforementioned professional reviews the logs and assumes responsibility for the accuracy and completeness of the logs.

All drilling tools shall be thoroughly decontaminated with non-phosphate detergent or steam cleaned immediately before starting each boring.

Soil samples shall be taken in decontaminated brass sampling tubes in the split-spoon. The brass sleeves will be separated using a clean knife. The ends of the tubes will be covered tightly with teflon wrap, capped with tight-fitting plastic caps, and properly labeled.

If the borings are not converted to wells, they are filled to the surface with neat cement. If two feet or more of water is in the boring, the backfill grout shall be pumped through a pipe to the base of the boring to insure a proper seal.

STANDARD OPERATING PROCEDURE ---

GROUNDWATER MONITORING WELL CONSTRUCTION

The boreholes for monitor wells are usually drilled using a truck-mounted hollow-stem auger drill rig. The hollow-stem auger drilling method allows the well screen, casing and filter pack to be installed through the auger, thereby limiting boring cave-in during well installation. The borehole is logged by a geologist during drilling. Soil samples are collected for logging in a split spoon sampler lined with brass tubes at a maximum interval of five feet. Soil samples selected for chemical analyses are sealed at each end with Teflon sheets and plastic end caps, labeled and stored in a cooler with ice.

Well casing typically consists of flush-threaded schedule 40 PVC; however, schedule 80 PVC, Teflon, or stainless steel may be used depending on site conditions. The screened interval usually consists of machined slots for PVC and Teflon casing and continuous wire-wrap for stainless steel screen. The slot or screen size is selected by the geologist according to filter pack grain size and

hydrogeologic formation characteristics. The most commonly used slot sizes are 0.010 inch and 0.020 inch. Either a threaded end cap or a PVC slip cap fastened with stainless steel screws is placed at the bottom of the casing. No solvents or cements are used to join casing sections.

The casing is set inside the hollow-stem auger and sand or gravel filter pack material is slowly poured into the annular space from the bottom of the boring to about 2 ft above the top of the well screen while withdrawing the auger. The filter pack grain size is selected by the geologist to conform to the formation grain size and estimated hydraulic conductivity. A 1-ft to 2-ft thick seal composed of hydrated bentonite pellets is placed above the filter pack to prevent grout from infiltrating into the filter pack. Portland cement grout used to seal the annular space form the top of the bentonite seal to about 6 inches below the surface. The grout is pumped under pressure through a pipe if the bentonite seal is below water. A lockable plastic expansion cap is placed at the top of the casing. Traffic-rated vault boxes are set in concrete around well heads in paved areas. Locking steel monument covers are usually installed over wellheads in unpaved areas.

STANDARD OPERATING PROCEDURE – DIRECT PUSH BORINGS

SOIL CORING AND SAMPLING PROCEDURES

Prior to drilling, all boreholes will be hand dug to a depth of 4 feet below ground surface (bgs) to check for underground utility lines.

Soil and groundwater samples are collected for lithologic and chemical analyses using a direct driven soil coring system. A hydraulic hammer drives sampling rods into the ground to collect continuous soil cores. As the rods are advanced, soil is driven into an approximately 1.5-inch-diamter sample barrel that is attached to the end of the rods. Soil samples are collected in sleeves inside the sample barrel as the rods are advanced. After being driven 3 to 4 feet into the ground, the rods are removed from the borehole. The sleeve containing the soil core is removed from the sample barrel, and can then be preserved for chemical analyses, or used for lithologic description. This process is repeated until the desired depth is reached.

A soil core interval selected for analyses is cut from the sleeve using a hacksaw. The ends of the tube are covered with aluminum foil or Teflon liner and sealed with plastic caps. The soil-filled liner is labeled with the bore number, sample depth, site location, date, and time. The samples are placed in bags and stored in a cooler containing ice. Soil from the core adjacent to the interval selected for analyses is placed in a plastic zip-top bag. The soil is allowed to volatilize for a period of time, depending on the ambient temperature. The soil is scanned with a flame-ionization detector (FID) or photo-ionization detector (PID).

All sample barrels, rods, and tools are cleaned with Alconox or equivalent detergent and de-ionized water. All rinsate from the cleaning is contained in 55-gallon drums at the project site.

GROUNDWATER SAMPLING FROM DIRECT PUSH BORINGS

After the targeted water-bearing zone has been penetrated, the soil-sample barrel is removed from the borehole. Small-diameter well casing with 0.010-inch slotted well screen may be installed in the borehole to facilitate the collection of groundwater samples. Threaded sections of PVC are lowered into the borehole. Groundwater samples may then be collected with a

bailer, peristaltic pump, or WaTerra pump until adequate sample volume is obtained.

Groundwater samples are preserved, stored in an ice-filled cooler, and are delivered, under chain-of-custody, to a laboratory certified by the California Department of Health Services (DHS) for hazardous materials analysis.

BOREHOLE GROUTING FOR DIRECT PUSH BORINGS

Upon completion of soil and water sampling, boreholes will be abandoned with neat cement grout to the surface. If the borehole was advanced into groundwater, the grout is pumped through a grouting tube positioned at the bottom of the borehole.

Appendix C

SOIL BORING LOGS

MAJOR DIVISIONS					TYPICAL NAMES
COARSE-GRAINED SOILS (MORE THAN HALF IS COARSER THAN NO. 200 SIEVE)	GRAVELS (MORE THAN HALF COARSE FRACTION IS LARGER THAN NO. 4 SIEVE SIZE)	CLEAN GRAVELS WITH LITTLE OR NO FINES	GW		WELL GRADED GRAVELS WITH OR WITHOUT SAND, LITTLE OR NO FINES
			GP		POORLY GRADED GRAVELS WITH OR WITHOUT SAND, LITTLE OR NO FINES.
		GRAVELS WITH OVER 15% FINES	GM		SILTY GRAVELS, SILTY GRAVELS WITH SAND
			GC		CLAYEY GRAVELS, CLAYEY GRAVELS WITH SAND
	SANDS (MORE THAN HALF COARSE FRACTION IS SMALLER THAN NO. 4 SIEVE SIZE)	CLEAN SANDS WITH LITTLE OR NO FINES	SW		WELL GRADED SANDS WITH OR WITHOUT GRAVEL, LITTLE OR NO FINES
			SP		POORLY GRADED SANDS WITH OR WITHOUT GRAVEL, LITTLE OR NO FINES
		SANDS WITH OVER 15% FINES	SM		SILTY SANDS WITH OR WITHOUT GRAVEL
			SC		CLAYEY SANDS WITH OR WITHOUT GRAVEL
FINE-GRAINED SOILS (MORE THAN HALF IS FINER THAN NO. 200 SIEVE)	SILTS AND CLAYS (LIQUID LIMIT 50% OR LESS)		ML		INORGANIC SILTS AND VERY FINE SANDS, ROCK FLOOR, SILTS WITH SANDS AND GRAVELS
			CL		INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY CLAYS WITH SANDS AND GRAVEL, LEAN CLAYS
			OL		ORGANIC SILTS OR CLAYS OF LOW PLASTICITY
	SILTS AND CLAYS (LIQUID LIMIT GREATER THAN 50%)		MH		INORGANIC SILTS, MICACEOUS OR DIATOMACIOUS, FINE SAND OR SILTY SOILS, ELASTIC SILTS
			CH		INORGANIC CLAYS OF HIGH PLASTICITY, FAT CLAYS
			OH		ORGANIC SILTS OR CLAYS OF MEDIUM TO HIGH PLASTICITY
HIGHLY ORGANIC SOILS			PT		PEAT AND OTHER HIGHLY ORGANIC SOILS

PID	Photoionization Detector
ppm	Parts per million in air
———	Observed contact
– – –	Uncertain contact
⁄ ⁄ ⁄	Gradational contact
< K	Less than thousand
HC	Hydrocarbon
FeOx	Iron oxide

▼	Stabilized water level as of date indicated
▽	Observed top of saturated soil interval
□	Sample interval
■	Undisturbed sample
⊠	No recovery

Blows – Sample drive hammer weight 140 pounds falling 30 inches. Blows required to drive sampler 1/2 foot are indicated on the log.

ABBREVIATIONS, SYMBOLS and SOIL CLASSIFICATION USED in BORING LOGS

ERAS Environmental Inc.

ERAS Environmental

Log of Boring B-1

PROJECT: 05-001-06	ADDRESS: 4919 Tidewater
JOB NUMBER: 05-001-06	LOCATION: Front NE
DATE STARTED: 2-24-06	First Water (ft. bgs.): 2.5' DATE: 2-24-06
DATE FINISHED: 2-24-06	TOTAL DEPTH: 11 feet
DRILLING METHOD: Hollow Stem Auger 8¼" OD	GEOLOGIST: Andrew Savage
DRILLING COMPANY: Hew Drilling	Reviewed By: Gail Jones

DEPTH ft.	PID (ppm)	SAMPLE NO.	RECOVERY	GRAPHIC LOG	WATER LEVEL	GEOLOGIC DESCRIPTION
						Asphalt + Base rock
			NR	GP	▽	Sandy Gravel, dark yellowish brown (10YR 4/6), damp, dense, ~30% sand, fine to coarse well graded sand, ~70% gravel, ¼" - 1½" subrounded, no product odor, Fill
	@3' 0	B1, 2.5'-3'				
			NR	SM		Silty Sand, dark gray (10YR 4/1), wet, medium dense, ~15% silt, ~85% fine to medium grain poorly graded sand, slight hydrocarbon odor
5			NR			
	@7' 0	B1, 6.75'-7'				
				CH		Clay w/ Organics, Black (10YR 2/1), wet, soft, high plasticity, no product odor, wood debris
10			NR			
						Bottom of boring 11 feet bgs 2-24-06
15						
20						

ERAS Environmental

Log of Boring B-2

PROJECT: 05-001-06	ADDRESS: 4919 Tidewater
JOB NUMBER: 05-001-06	LOCATION: NE Diesel Tank
DATE STARTED: 2-24-06	First Water (ft. bgs.): 3'3" DATE: 2-24-06
DATE FINISHED: 2-24-06	TOTAL DEPTH: 10 feet
DRILLING METHOD: Hollow Stem Auger 8 1/4"	GEOLOGIST: Andrew Savage
DRILLING COMPANY: Hew Drilling	Reviewed By: Gail Jones

DEPTH ft.	PID (ppm)	SAMPLE NO.	RECOVERY	GRAPHIC LOG	WATER LEVEL	GEOLOGIC DESCRIPTION
						Asphalt + Base Rock
				CL		Silty Clay, black (10YR 2/1), stiff, damp, medium plasticity, diesel odor
	@3'9" 20	B2 3.5-3.75		SW	▽	Gravely Sand, very dark brown (10YR 2/2) wet, ~5% silt, ~70% fine to coarse well graded sand, ~25% 1/8" - 1/2" subrounded gravel, heavy staining and diesel odor
5				Clt		Clay w/ Organics, Black (10YR 2/1), wet, soft, high plasticity, slight hydrocarbon odor, wood debris
	@7'3" 0	B2 7'-7.25'	NR			
	@8'6" 0					
10						Bottom of boring 9.5 feet bgs 10-24-06
15						
20						

ERAS Environmental

Log of Boring B-3

PROJECT: 05-001-06	ADDRESS: 4919 Tidewater
JOB NUMBER: 05-001-06	LOCATION: NE along fense
DATE STARTED: 2-24-06	First Water (ft. bgs.): 2½ DATE: 2-24-06
DATE FINISHED: 2-24-06	TOTAL DEPTH: 8.5
DRILLING METHOD: Hollow Stem Auger 8¼"	GEOLOGIST: Andrew Savage
DRILLING COMPANY: Hex Drilling	Reviewed By: Gail Jones

DEPTH ft.	PID (ppm)	SAMPLE NO.	RECOVERY	GRAPHIC LOG	WATER LEVEL	GEOLOGIC DESCRIPTION
						Asphalt + Base Rock
						Auger to 1 foot
			NR	SW		Gravely Sand, dark yellowish brown, (10YR4/6), damp dense, ~75% sand, fine to coarse well graded sand, ~25% gravel ⅛" - 2" subrounded gravel, no product odor,
	@3' 0	B-3, 2.75-3'	NR			PID=11
			NR			wet @ 2½ feet slight hydrocarbon odor
						from 4-4.5' black aparent burnt material, consolodated
5				CH		Clay w/ Organics, Black, (10YR2/1), wet, soft, high plasticity, no product odor, wood debris
	@7' 0	B-3 7'-7.25'	NR			
			NR			
			NR			
						Bottom of boring 8.5 feet bgs 2-24-06
10						
15						
20						

ERAS Environmental

Log of Boring B-4

PROJECT: 05-001-06	ADDRESS: 4199 Tidewater
JOB NUMBER: 05-001-06	LOCATION: SW corner of main bldg
DATE STARTED: 2-24-06	First Water (ft. bgs.): 3.5 DATE: 2-24-06
DATE FINISHED: 2-24-06	TOTAL DEPTH: 8 feet
DRILLING METHOD: Hollow Stem Auger 8"	GEOLOGIST: Andrew Savage
DRILLING COMPANY: Hew Drilling	Reviewed By: Gail Jones

DEPTH ft.	PID (ppm)	SAMPLE NO.	RECOVERY	GRAPHIC LOG	WATER LEVEL	GEOLOGIC DESCRIPTION
	@3'= 0	@ 3'=		GW		Asphalt + Base Rock Auger to 1 foot Sandy Gravel, dark yellowish brown (10YR4/6), damp, dense, ~30% sand fine to coarse, well graded sand, ~70%. ⅛"-½" subrounded gravel, no product odor, Fill
					▽	Wet @ 3.5 feet
5		B-4 5'-5.25'		CH		Clay w/ Organics, Black (10YR2/1), wet, soft, high plasticity, no product odor, wood debris
						Bottom of boring 8 feet bgs 2-24-06
10						
15						
20						

ERAS Environmental

Log of Boring B-S

PROJECT: OS-001-06	ADDRESS: 4919 Tidewater
JOB NUMBER: OS-001-06	LOCATION: N of Truck Scale
DATE STARTED: 2-24-06	First Water (ft. bgs.): 4'9" DATE: 2-24-06
DATE FINISHED: 2-24-06	TOTAL DEPTH: 8.5
DRILLING METHOD: Hollow Stem Auger 8"	GEOLOGIST: Andrew Savage
DRILLING COMPANY: Itew Drilling	Reviewed By: Gail Jaes

DEPTH ft.	PID (ppm)	SAMPLE NO.	RECOVERY	GRAPHIC LOG	WATER LEVEL	GEOLOGIC DESCRIPTION
						Asphalt + Base Rock
				SP		Auger to float Silty Sand, dark yellowish brown (10YR4/6), damp, dense, ~15% silt, ~85% fine to medium grain sand, poorly graded, no product odor
			NR			
5	@5'3" 0	B-S 5'-5.25'			▽	@4'9" color change to dark gray (10YR4/1), wet slight hydrocarbon odor
	@7' 0	B-S 6.75'-7'		CH		Clay w/ organics, black (10YR2/1), wet soft, high plasticity, no product odor, wood debris
						Bottom of boring 8.5 feet bgs 2-24-06
10						
15						
20						

ERAS Environmental

Log of Boring B-6 (Murray B-1)

PROJECT:	ADDRESS: 4919 Tidewater Avenue Oak
JOB NUMBER: OS-001-07	LOCATION: Gravel Area off Tidewater
DATE STARTED: 2/27/06	First Water (ft. bgs.): 2.5 DATE: 2/27/06
DATE FINISHED: 2/27/06	TOTAL DEPTH: 30 feet
DRILLING METHOD: Hollow stem 8"/4" OD	GEOLOGIST: Dave Siegel
DRILLING COMPANY: Exploration Geoservices	Reviewed By:

DEPTH ft.	PID (ppm)	SAMPLE NO.	RECOVERY	GRAPHIC LOG	WATER LEVEL	GEOLOGIC DESCRIPTION
				SW	▽	SANDY GRAVEL fill, dark yellowish brown (10YR 4/6) ~ 35% fine to coarse gravel up to 1½" long, subangular to subrounded, dense, no petroleum odor
				SM		SILTY SAND, dark gray (Gley 1 4/N), fine to medium sand, medium dense, wet, no petroleum odor
	0	B-6-4 -4.5				
5				CH		CLAY, dark greenish gray (Gley 2 4/5BG), high plasticity, soft, damp, no petroleum odor
	0	B-6-6 -6.5				
10						Note Bottom of boring 30 feet Boring below 10 feet logged by Will Carter, Murray Engineers. Boring sealed to surface with cement grout
15						
20						

ERAS Environmental — **Log of Boring** B-7 (Murray B-2)

PROJECT:	ADDRESS: 4419 Tidewater Avenue, Oakland
JOB NUMBER: 05-0001-07	LOCATION: NW Prop line near truck scale
DATE STARTED: 2/27/06	First Water (ft. bgs.): 3.5 DATE: 2/27/06
DATE FINISHED: 2/27/06	TOTAL DEPTH: 30 feet
DRILLING METHOD: Hollow Stem auger 8¼" OD	GEOLOGIST: Dave Siegel
DRILLING COMPANY: Exploration GeoServices	Reviewed By:

DEPTH ft.	PID (ppm)	SAMPLE NO.	RECOVERY	GRAPHIC LOG	WATER LEVEL	GEOLOGIC DESCRIPTION
				GW		Asphalt 1-2", very worn GRAVELLY SAND fill, dark yellowish brown (10YR 4/6) gravel up to 1½" subangular, dense, damp, no petroleum odor
				CL		GRAVELLY CLAY, very dk greenish gray (5GY 2, 4/1-10BG) medium plasticity, stiff, damp, no petroleum odor
	0	B-7-3 -3.5			▽	
	60			SM		SILTY SAND, dark greenish gray (5GY 1 4/1, 5GY) fine to medium sand, medium dense, wet, slight petroleum odor
5						
	0	B-7-6 -6.5		CH		CLAY, very dark greenish gray (5GY 1, 3/1, 5GY), soft, high plasticity, no petroleum odor
						Bottom of boring 30 feet. Boring below 10 feet logged by Will Carter of Murray Engineers. Boring sealed with cement grout to surface
10						
15						
20						

ERAS Environmental

Log of Boring B-8 (Murray B-3)

PROJECT:	ADDRESS: 419 Tidewater Avenue, Oakland
JOB NUMBER: 05-001-07	LOCATION: near SW property line
DATE STARTED: 2/27/06	First Water (ft. bgs.): 2.75 DATE: 2/27/06
DATE FINISHED: 2/27/06	TOTAL DEPTH: 30 feet
DRILLING METHOD: Hollow stem auger 8¼" OD	GEOLOGIST: Dave Siegel
DRILLING COMPANY: ?	Reviewed By:

DEPTH ft.	PID (ppm)	SAMPLE NO.	RECOVERY	GRAPHIC LOG	WATER LEVEL	GEOLOGIC DESCRIPTION
						Asphalt 1-2", very worn
				SW	▽	GRAVELLY SAND fill dark yellowish brown (10YR 4/6), subangular up to 1½", dense, damp, no petroleum odor
		B-8-3 -3.5		SP		SAND, very dark greenish gray (GLEY 2, 4/1, 10BG), fine to medium, medium dense, wet, no petroleum odor
5		B-8-4.5 -4.5		CH		CLAY, greenish black (GLEY 2, 2.5/10G), soft, high plasticity, damp, no petroleum odor
						Bottom of boring 30 feet. Boring below 10 feet logged by Will Carter of Murray Engineers. Boring sealed to surface with cement grout
10						
15						
20						

ERAS Environmental — **Log of Boring** B-9 (Murray B-4)

PROJECT:	ADDRESS: 4919 Tidewater Avenue, Oakland
JOB NUMBER: 05-004-07	LOCATION: near W corner of repair building
DATE STARTED: 2/27/06	First Water (ft. bgs.): 2.75 DATE: 2/27/06
DATE FINISHED: 2/27/06	TOTAL DEPTH: 30 feet
DRILLING METHOD: Hollow stem auger 8"/4" OD	GEOLOGIST: Dave Siegel
DRILLING COMPANY:	Reviewed By:

DEPTH ft.	PID (ppm)	SAMPLE NO.	RECOVERY	GRAPHIC LOG	WATER LEVEL	GEOLOGIC DESCRIPTION
						Asphalt 1-2", very worn
				GW	▽	GRAVELLY CLAY, very dark greenish gray (Gley 3/5GY) subangular up to 1½", dense, damp, slight petroleum odor, 35% gravel
				SW		SAND, very dark gray (Gley 2 4/10BG), fine to medium sand, 15% gravel, medium dense, wet, very strong petroleum odor
5		B-9-4.5 -5		CH		CLAY, greenish black (Gley 2 2.5/10G), soft high plasticity, damp, slight petroleum odor
10		B-9-10 -10.5				
						Bottom of boring 30 feet. Boring below 10.5 feet logged by Will Carter of Murray Engineers. Boring sealed to surface with cement grout
15						
20						

ERAS Environmental

Log of Boring B-10

PROJECT: 05-001-09	ADDRESS: 4919 Tidewater
JOB NUMBER: 05-001-09	LOCATION: Front by tidewater
DATE STARTED: 4-12-06	First Water (ft. bgs.): DATE: 4-12-06
DATE FINISHED: 4-12-06	TOTAL DEPTH: 10 feet
DRILLING METHOD: Direct Push	GEOLOGIST: Andrew Savage
DRILLING COMPANY: Vironex	Reviewed By: Gail Jones

DEPTH ft.	PID (ppm)	SAMPLE NO.	RECOVERY	GRAPHIC LOG	WATER LEVEL	GEOLOGIC DESCRIPTION
						Gravel & weeds
				GW	▽	Sandy Gravel, brown (10YR 4/3), damp, dense, ~30% fine to coarse well graded sand, ~70% gravel ⅛" - 1½" subrounded gravel, no odor, fill - hand auger to 2 feet
				SM		Silty Sand, dark grey (10YR 4/1), wet, medium dense, ~15% silt, ~85% fine to coarse grain well sorted sand, no odor, fill
5	@5' 0	B-10 4.5-5' 8:00				
				CH		Clay, very dark greenish gray (Gley 2 3/1 10 GB), damp, soft, high plasticity, No odor
10	@10' 0	B-10 9.5-10' 8:45				Bottom of boring 10 feet bgs 4-12-06
15						
20						

ERAS Environmental — **Log of Boring B-11**

PROJECT: 05-001-09	ADDRESS: 4919 Tidewater
JOB NUMBER: 05-001-09	LOCATION: northeast of tank pit
DATE STARTED: 4-12-06	First Water (ft. bgs.): 2 DATE: 4-12-06
DATE FINISHED: 4-12-06	TOTAL DEPTH: 10 feet
DRILLING METHOD: Direct Push	GEOLOGIST: Andrew Savage
DRILLING COMPANY: Vironex	Reviewed By: Gail Jones

DEPTH ft.	PID (ppm)	SAMPLE NO.	RECOVERY	GRAPHIC LOG	WATER LEVEL	GEOLOGIC DESCRIPTION
					▽	Asphalt & Baserock ¼" - 2" angular hand auger 1 foot
				SW		Gravely Sand w/ silt, dark greenish grey (~~mark~~ Gley2 4/1 10G), wet, dense, ~10% silt ~70% fine to coarse well graded sand, ~20% gravel ⅛" - 1" sub rounded gravel, heavy hydrocarbon odor
5	@5 127	B-11, 4.5'-5' 9:40				
				ML CH		Silt, very dark greenish gray (Gley2 3/1 10GB), wet, stiff, hydrocarbon odor
	@9 0	B-11, 8.5'-9'	NR			Clay w/ Organics, very dark greenish gray (Gley2 3/1 10GB), damp, soft, high plasticity ~95% clay, ~5% wood organics, very slight hydrocarbon odor
10		9:46	NR			Bottom of boring 10 feet bgs 4-12-06
15						
20						

ERAS Environmental	Log of Boring B-12
PROJECT: 05-001-09	ADDRESS: 4919 Tidewater
JOB NUMBER: 05-001-09	LOCATION: northwest of tank pit
DATE STARTED: 4-12-06	First Water (ft. bgs.): DATE:
DATE FINISHED: 4-12-06	TOTAL DEPTH: 10 feet
DRILLING METHOD: Direct Push	GEOLOGIST: Andrew Savage
DRILLING COMPANY: Vironex	Reviewed By: Gail Jones

DEPTH ft.	PID (ppm)	SAMPLE NO.	RECOVERY	GRAPHIC LOG	WATER LEVEL	GEOLOGIC DESCRIPTION
						Asphalt and base rock $\frac{1}{4}$"- 2" angular - hand auger 1 foot
	@3' 178	B-12 2.5'-2.75'		CH		Clay w/organics, very dark greenish gray (Gley 2 3/1 10GB), damp, soft, high plasticity, ~95% clay, ~5% wood organics, heavy hydrocarbon odor,
		B-12 2.75'-3'	NR			
			NR			
			NR			
5			NR			
						- at 7 feet very slight odor
	@8' 0	B-12 7.5'-8'				
			NR			
			NR			
			NR			
10			NR			Bottom of boring 10 feet bgs 4-12-06
15						
20						

ERAS Environmental	Log of Boring B-13
PROJECT: 05-001-09	ADDRESS: 4919 Tidewater
JOB NUMBER: 05-001-09	LOCATION: Back fence closest to B-8
DATE STARTED: 4-12-06	First Water (ft. bgs.): 1 DATE: 4-12-06
DATE FINISHED: 4-12-06	TOTAL DEPTH: 10 feet
DRILLING METHOD: Direct Push	GEOLOGIST: Andrew Savage
DRILLING COMPANY: Vironex	Reviewed By: Gail Jones

DEPTH ft.	PID (ppm)	SAMPLE NO.	RECOVERY	GRAPHIC LOG	WATER LEVEL	GEOLOGIC DESCRIPTION
					▽	Asphalt and base rock ¼" - 2" angular
				CH		Clay w/ organics, very dark greenish gray (Gley 2 3/1 10GB), wet, soft, high plasticity, ~90% clay, ~10% wood organics, no odor
						hand auger to 2½ feet
5	@5' 0	B-13 4-4.5' 10:49				
	@9' 0		NR NR			
10		10:53				Bottom of boring 10 feet bgs 4-12-06
15						
20						

ERAS Environmental

Log of Boring B-14

PROJECT: 05-001-09	ADDRESS: 4919 Tidewater
JOB NUMBER: 05-001-09	LOCATION: east of truck repair shop
DATE STARTED: 4-12-06	First Water (ft. bgs.): 1 DATE: 4-12-06
DATE FINISHED: 4-12-06	TOTAL DEPTH: 10 feet
DRILLING METHOD: Direct Push	GEOLOGIST: Andrew Savage
DRILLING COMPANY: Vironex	Reviewed By: Gail Jones

DEPTH ft.	PID (ppm)	SAMPLE NO.	RECOVERY	GRAPHIC LOG	WATER LEVEL	GEOLOGIC DESCRIPTION
					▽	Concrete and base rock $\frac{1}{4}$"-2" angular
				CH		Clay w/ organics, very dark greenish gray (GLey 2 3/1 10 G 8), wet, soft, high plasticity, ~90% clay, ~10% organics wood, no odor, hand auger to 2.5 feet
5	@5' 0	B-14 4-4.5'				
		12:15				
	@8' 0	B-14 7.5'-8'	NR			
			NR			
			NR			
10		12:20	NR			Bottom of borng 10 feet bgs 4-12-06
15						
20						

ERAS Environmental	Log of Boring B-1S
PROJECT: 05-001-09	ADDRESS: 4919 Tidewater
JOB NUMBER: 05-001-09	LOCATION: west of truck repair shop
DATE STARTED: 4-12-06	First Water (ft. bgs.): DATE:
DATE FINISHED: 4-12-06	TOTAL DEPTH: 10 feet
DRILLING METHOD: Direct Push	GEOLOGIST: Andrew Savage
DRILLING COMPANY: Vironex	Reviewed By: Gail Jones

DEPTH ft.	PID (ppm)	SAMPLE NO.	RECOVERY	GRAPHIC LOG	WATER LEVEL	GEOLOGIC DESCRIPTION
					▽	Asphalt and Base rock ¼" - 2" angular
				CH		Clay w/ organics, very dark greenish grey (Gley 2 3/1 10GB), wet, soft, high plasticity, no odor
	@3.5' 0		X			
			NR			
			NR			
5			NR			
			X			
			X			
			X			
			X			
	@9' 0	B-1S 8-8.5'				
			NR			
10			NR			Bottom of boring 10 feet bgs 4-12-06
15						
20						

ERAS Environmental

Log of Well EW-1

PROJECT: 05-001-10	ADDRESS: 4919 Tidewater
JOB NUMBER: 05-001-10	LOCATION: near MW-2
DATE STARTED: 4-14-06	First Water (ft. bgs.): 1.5' DATE: 4-14-06
DATE FINISHED: 4-14-06	TOTAL DEPTH: 11.5 feet
DRILLING METHOD: Bucket Auger-36"	GEOLOGIST: Andrew Savage
DRILLING COMPANY: Viking	Reviewed By: Gail Jones

DEPTH ft.	PID (ppm)	BLOWS/ 1/2'	SAMPLE NO.	RECOVERY	GRAPHIC LOG	WATER LEVEL	GEOLOGIC DESCRIPTION
							Asphalt + base
					GW		Sandy Gravel, brown (10YR4/3) damp, dense, ~30% fine to coarse well graded sand, ~70% gravel 1/8"-1 1/2" subrounded gravel, No odor
							diesel oder starts at 1 1/2' and color changes to dark greenish gray (Gley2 4/1 10G)
5					SW		Sand, dark greenish gray (Gley2 4/1 10G) wet, dense, well graded fine to coarse sand, maybe silt, diesel oder
					CH		Clay w/ organics, very dark greenish gray (Gley2 3/1 10GB) damp, soft, high plasticity, Diesel odor
10							
							Bottom of boring 11.5 feet bgs 4-14-06
15							
20							

WELL DIAGRAM

steel plate cover
slip cap
2/12 sand - 4" gravel mix
8 inch sch40 PVC .032 slot
2/12 sand - 1/4" gravel mix

ERAS Environmental

Log of Well OB-3

PROJECT: OS-001-09	ADDRESS: 4919 Tidewater
JOB NUMBER: OS-001-09	LOCATION: 6 feet from Dewatering Well
DATE STARTED: 4-7-06	First Water (ft. bgs.): 3 DATE: 4-7-06
DATE FINISHED: 4-7-06	TOTAL DEPTH: 8 feet
DRILLING METHOD: Hollow Stem Auger 8"	GEOLOGIST: Andrew Savage
DRILLING COMPANY: BC2	Reviewed By: Gail Jones

DEPTH ft.	PID (ppm)	BLOWS/ 1/2'	SAMPLE NO.	RECOVERY	GRAPHIC LOG	WATER LEVEL	GEOLOGIC DESCRIPTION	WELL DIAGRAM 10-inch vault + locked well cap
							Asphalt + Base	Grout / Bent / 2/12 sand / Sch 40 PVC 2 inch PVC 0.020 Slot / 2/12 Sand / Grout / Bent
					GW		Sandy Gravel, brown (10YR4/3), damp, dense, ~30% fine to coarse well graded sand, ~70% gravel $\frac{1}{8}$"-1$\frac{1}{2}$" subrounded gravel, no odor, large chunks of concrete present, Fill	
					SW		diesel odor starts at 1$\frac{1}{2}$' and color changes to dark greenish gray (Gley 2 4/1 10G)	
5	@5' 0						Sand dark greenish gray (Gley 2 4/1 10G) wet, dense, well graded fine to coarse sand, diesel odor	
	@6.5' 0							
	@8' 0				CH		Clay w/ Organics (wood debris), very dark greenish gray (Gley 2 3/1 10GB) damp, soft, high plasticity, Diesel Odor	Bentonite
10							Bottom of boring 8 feet bgs 4-7-06	
15								
20								

ERAS Environmental

Log of Well OB-4

PROJECT: OS-001-09	ADDRESS: 4919 Tidewater
JOB NUMBER: OS-001-09	LOCATION: 12 feet from dewatering well
DATE STARTED: 4-7-06	First Water (ft. bgs.): 3 DATE: 4-7-06
DATE FINISHED: 4-7-06	TOTAL DEPTH: 10 feet
DRILLING METHOD: Hollow Stem Auger 8"	GEOLOGIST: Andrew Savage
DRILLING COMPANY: BC2	Reviewed By: Gail Jones

DEPTH ft.	PID (ppm)	BLOWS/ 1/2'	SAMPLE NO.	RECOVERY	GRAPHIC LOG	WATER LEVEL	GEOLOGIC DESCRIPTION
							Asphalt + Base
					GW		Sandy Gravel, brown (10YR4/3) damp, dense, ~30% fine to coarse well graded sand, ~70% gravel $\frac{1}{8}$"-1$\frac{1}{2}$" subrounded gravel, no oder, large chunks of concrete, Fill
	@3.5' 38.1					▽	diesel odor starts at 1$\frac{1}{2}$ and color changes to dark greenish gray (Gley 2 4/1 10G)
5	@5' 23.2				SW		Sand dark greenish gray, (Gley 2 4/1 10G), wet, dense, well graded fine to coarse sand diesel odor
	@6.5' 0						
	@7.5' 0						
					CH		Clay w/ organics, very dark greenish gray (Gley 2 3/1 10GB) damp, soft, high plasticity, diesel odor
				NR			
10				NR			
15							
20							

WELL DIAGRAM: 10 inch vault, locked well cap; Grout; Bent.; Sch 40 2" PVC; 2" PVC 0.020 Slott; 2/12 Sand; Grout; Bent.; 2/12 Sand

ERAS Environmental

Log of Well OB-5

PROJECT: 05-001-09	ADDRESS: 4919 Tidewater
JOB NUMBER: 05-001-09	LOCATION: 6 feet from dewatering well
DATE STARTED: 4-7-06	First Water (ft. bgs.): 2 DATE: 4-7-06
DATE FINISHED: 4-7-06	TOTAL DEPTH: 15 feet
DRILLING METHOD: Hollow Stem Auger	GEOLOGIST: Andrew Savage
DRILLING COMPANY: BC 2	Reviewed By: Gail Jones

DEPTH ft.	PID (ppm)	BLOWS/ 1/2'	SAMPLE NO.	RECOVERY	GRAPHIC LOG	WATER LEVEL	GEOLOGIC DESCRIPTION
							Asphalt + Base
					GW	▽	Sandy Gravel, brown (10YR 4/3) damp, dense, ~30% fine to coarse well graded sand, ~70% gravel ⅜"- 1½" subrounded gravel, no odor, large chunks of concrete and wood debris, fill
							diesel odor starts at 1½' and color changes to dark greenish gray Gley 2 4/1 10G)
5	@5' 0				SM		Silty Sand w/ clay, dark greenish gray (Gley 2 4/1 10G), wet, dense, wet ~40% fines, ~60% sand fine to coarse sand, well graded, diesel odor
	@6.5' 0			NR			
				NR			
				NR			
							Clay w/ organics (wood debris), very dark greenish gray (Gley 2 3/1 10GB), damp, soft, high plasticity, Diesel odor
10	@10' 2.0				CH		
	@11.5' 9.7		OB-5 11-11.5'				
	@12.5' 3.1			NR			
15	@15' 3.5						
20							

WELL DIAGRAM
10 inch vault
locked well cap
Grout
Bentonite
2 inch Sch 40 PVC
0.020 slot
2/12 Sand

ERAS Environmental

Log of Well OB-6

PROJECT: 05-001-09	ADDRESS: 4919 Tidewater
JOB NUMBER: 05-001-09	LOCATION: 14 feet from dewatering well
DATE STARTED: 4-7-06	First Water (ft. bgs.): 2.5 DATE: 4-7-06
DATE FINISHED: 4-7-06	TOTAL DEPTH: 7.5 feet
DRILLING METHOD: Hollow Stem Auger 8"	GEOLOGIST: Andrew Savage
DRILLING COMPANY: BC2	Reviewed By: Gail Jones

DEPTH ft.	PID (ppm)	BLOWS/ 1/2'	SAMPLE NO.	RECOVERY	GRAPHIC LOG	WATER LEVEL	GEOLOGIC DESCRIPTION
							Asphalt + Base
	@3.5' 0				GW	▽	Sandy Gravel, brown (10YR4/3) damp, dense, ~30% fine to coarse well graded sand, ~70% gravel ⅜" - 1½" subrounded gravel, no odor, large chunks of concrete present Fill
	@5' 0				SM		diesel odor starts at 1½' and color changes to dark greenish gray (5Gley 2 4/1 10G)
5	@6.5' 0						Silty Sand w/ clay, dark greenish gray (5Gley2 4/1 10G) wet, dense, ~40% fines ~60% fine to coarse well graded sand, diesel odor
					CH		Clay w/ organics (wood debris) very dark greenish gray (5Gley2 3/1 10GB), damp, soft, high plasticity, Diesel odor
10							
15							
20							

WELL DIAGRAM
10 inch vault
locked well cap

Grout
Bent
Sch 40 PVC
2" PVC .020 Slot
Grout
Bent
#2/12 Sand
#3/8 Sand
Bentonite

Appendix D

LABORATORY REPORT AND CHAIN-OF-CUSTODY

ANALYTICAL REPORT

Job Number: 720-2313-1

Job Description: 4919 Tidewater

For:
ERAS Environmental, Inc.
1533 B Street
Hayward, CA 94541

Attention: Mr. Dave Siegel

Melissa Brewer
Project Manager I
mbrewer@stl-inc.com
03/17/2006

cc: Mr. Kasey Cordoza

Project Manager: Melissa Brewer

METHOD SUMMARY

Client: ERAS Environmental, Inc. Job Number: 720-2313-1

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)	STL-SF	SW846 8015B	
Ultrasonic Extraction	STL-SF		SW846 3550B
Matrix: Water			
Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)	STL-SF	SW846 8015B	
Separatory Funnel Liquid-Liquid Extraction	STL-SF		SW846 3510C

LAB REFERENCES:

STL-SF = STL-San Francisco

METHOD REFERENCES:

SW846 - "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

SAMPLE SUMMARY

Client: ERAS Environmental, Inc. Job Number: 720-2313-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
720-2313-1	B-1	Water	02/24/2006 1026	03/01/2006 1025
720-2313-2	B-2	Water	02/24/2006 1216	03/01/2006 1025
720-2313-3	B-3	Water	02/24/2006 1332	03/01/2006 1025
720-2313-4	B-4	Water	02/24/2006 1454	03/01/2006 1025
720-2313-5	B-5	Water	02/24/2006 1715	03/01/2006 1025
720-2313-6	B-6	Water	02/27/2006 1050	03/01/2006 1025
720-2313-7	B-7	Water	02/27/2006 1315	03/01/2006 1025
720-2313-8	B-8	Water	02/27/2006 1255	03/01/2006 1025
720-2313-9	B-9	Water	02/27/2006 1400	03/01/2006 1025
720-2313-10	B-1,2.75-3	Solid	02/24/2006 0928	03/01/2006 1025
720-2313-11	B-2,3.5-3.75	Solid	02/24/2006 1203	03/01/2006 1025
720-2313-12	B-2,7-7.25	Solid	02/24/2006 1245	03/01/2006 1025
720-2313-13	B-3,2.75-3	Solid	02/24/2006 1336	03/01/2006 1025
720-2313-14	B-3,7-7.25	Solid	02/24/2006 1344	03/01/2006 1025
720-2313-15	B-4,5-5.25	Solid	02/24/2006 1458	03/01/2006 1025
720-2313-16	B-5,5-5.25	Solid	02/24/2006 1549	03/01/2006 1025
720-2313-17	B-5,6.75-7	Solid	02/24/2006 1623	03/01/2006 1025
720-2313-18	B-6,4-4.5	Solid	02/27/2006 0755	03/01/2006 1025
720-2313-19	B-6,6-6.25	Solid	02/27/2006 0800	03/01/2006 1025
720-2313-20	B-7,4-4.5	Solid	02/27/2006 0935	03/01/2006 1025
720-2313-21	B-7,6-6.25	Solid	02/27/2006 0945	03/01/2006 1025
720-2313-22	B-8,3-3.5	Solid	02/27/2006 1115	03/01/2006 1025
720-2313-23	B-8,4.5-5	Solid	02/27/2006 1120	03/01/2006 1025
720-2313-24	B-9,4.5-5	Solid	02/27/2006 1235	03/01/2006 1025
720-2313-25	B-9,10-10.25	Solid	02/27/2006 1240	03/01/2006 1025

Client: ERAS Environmental, Inc. Job Number: 720-2313-1

Client Sample ID: **B-1**

Lab Sample ID: 720-2313-1
Client Matrix: Water

Date Sampled: 02/24/2006 1026
Date Received: 03/01/2006 1025

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Method: 8015B
Preparation: 3510C
Dilution: 1.0
Date Analyzed: 03/02/2006 2257
Date Prepared: 03/02/2006 1215

Analysis Batch: 720-6413
Prep Batch: 720-6110

Instrument ID: HP DRO3
Lab File ID: N/A
Initial Weight/Volume: 250 mL
Final Weight/Volume: 1 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C10-C28]	2000		50

Surrogate	%Rec	Acceptance Limits
o-Terphenyl	72	60 - 130

Client: ERAS Environmental, Inc. Job Number: 720-2313-1

Client Sample ID: B-2

Lab Sample ID: 720-2313-2
Client Matrix: Water

Date Sampled: 02/24/2006 1216
Date Received: 03/01/2006 1025

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Method: 8015B
Preparation: 3510C
Dilution: 2.0
Date Analyzed: 03/07/2006 1350
Date Prepared: 03/02/2006 1215

Analysis Batch: 720-6413
Prep Batch: 720-6110

Instrument ID: HP DRO3
Lab File ID: N/A
Initial Weight/Volume: 250 mL
Final Weight/Volume: 1 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C10-C28]	12000		100

Surrogate	%Rec	Acceptance Limits
o-Terphenyl	79	60 - 130

Client: ERAS Environmental, Inc. Job Number: 720-2313-1

Client Sample ID: B-3

Lab Sample ID: 720-2313-3
Client Matrix: Water

Date Sampled: 02/24/2006 1332
Date Received: 03/01/2006 1025

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Method: 8015B
Preparation: 3510C
Dilution: 1.0
Date Analyzed: 03/02/2006 2352
Date Prepared: 03/02/2006 1215

Analysis Batch: 720-6413
Prep Batch: 720-6110

Instrument ID: HP DRO3
Lab File ID: N/A
Initial Weight/Volume: 250 mL
Final Weight/Volume: 1 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C10-C28]	2400		50

Surrogate	%Rec	Acceptance Limits
o-Terphenyl	71	60 - 130

Client: ERAS Environmental, Inc. Job Number: 720-2313-1

Client Sample ID: B-4

Lab Sample ID: 720-2313-4
Client Matrix: Water

Date Sampled: 02/24/2006 1454
Date Received: 03/01/2006 1025

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Method: 8015B
Preparation: 3510C
Dilution: 1.0
Date Analyzed: 03/03/2006 0019
Date Prepared: 03/02/2006 1215

Analysis Batch: 720-6413
Prep Batch: 720-6110

Instrument ID: HP DRO3
Lab File ID: N/A
Initial Weight/Volume: 250 mL
Final Weight/Volume: 1 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C10-C28]	910		50

Surrogate	%Rec	Acceptance Limits
o-Terphenyl	94	60 - 130

Client: ERAS Environmental, Inc. Job Number: 720-2313-1

Client Sample ID: B-5

Lab Sample ID: 720-2313-5
Client Matrix: Water

Date Sampled: 02/24/2006 1715
Date Received: 03/01/2006 1025

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Method: 8015B
Preparation: 3510C
Dilution: 1.0
Date Analyzed: 03/03/2006 0046
Date Prepared: 03/02/2006 1215

Analysis Batch: 720-6413
Prep Batch: 720-6110

Instrument ID: HP DRO3
Lab File ID: N/A
Initial Weight/Volume: 250 mL
Final Weight/Volume: 1 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C10-C28]	490		50

Surrogate	%Rec	Acceptance Limits
o-Terphenyl	88	60 - 130

Client: ERAS Environmental, Inc. Job Number: 720-2313-1

Client Sample ID: B-6

Lab Sample ID: 720-2313-6
Client Matrix: Water

Date Sampled: 02/27/2006 1050
Date Received: 03/01/2006 1025

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Method: 8015B
Preparation: 3510C
Dilution: 1.0
Date Analyzed: 03/03/2006 0113
Date Prepared: 03/02/2006 1215

Analysis Batch: 720-6413
Prep Batch: 720-6110

Instrument ID: HP DRO3
Lab File ID: N/A
Initial Weight/Volume: 250 mL
Final Weight/Volume: 1 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C10-C28]	190		50

Surrogate	%Rec	Acceptance Limits
o-Terphenyl	93	60 - 130

Client: ERAS Environmental, Inc. Job Number: 720-2313-1

Client Sample ID: B-7

Lab Sample ID: 720-2313-7
Client Matrix: Water

Date Sampled: 02/27/2006 1315
Date Received: 03/01/2006 1025

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Method: 8015B
Preparation: 3510C
Dilution: 1.0
Date Analyzed: 03/03/2006 0140
Date Prepared: 03/02/2006 1215

Analysis Batch: 720-6413
Prep Batch: 720-6110

Instrument ID: HP DRO3
Lab File ID: N/A
Initial Weight/Volume: 250 mL
Final Weight/Volume: 1 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C10-C28]	4100		50

Surrogate	%Rec	Acceptance Limits
o-Terphenyl	74	60 - 130

Client: ERAS Environmental, Inc. Job Number: 720-2313-1

Client Sample ID: B-8

Lab Sample ID: 720-2313-8
Client Matrix: Water

Date Sampled: 02/27/2006 1255
Date Received: 03/01/2006 1025

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Method: 8015B
Preparation: 3510C
Dilution: 1.0
Date Analyzed: 03/06/2006 1556
Date Prepared: 03/02/2006 1215

Analysis Batch: 720-6413
Prep Batch: 720-6110

Instrument ID: HP DRO3
Lab File ID: N/A
Initial Weight/Volume: 250 mL
Final Weight/Volume: 1 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C10-C28]	1300		50

Surrogate	%Rec	Acceptance Limits
o-Terphenyl	97	60 - 130

Client: ERAS Environmental, Inc. Job Number: 720-2313-1

Client Sample ID: B-9

Lab Sample ID: 720-2313-9
Client Matrix: Water

Date Sampled: 02/27/2006 1400
Date Received: 03/01/2006 1025

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Method: 8015B
Preparation: 3510C
Dilution: 5.0
Date Analyzed: 03/06/2006 1242
Date Prepared: 03/02/2006 1215

Analysis Batch: 720-6413
Prep Batch: 720-6110

Instrument ID: HP DRO3
Lab File ID: N/A
Initial Weight/Volume: 250 mL
Final Weight/Volume: 1 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C10-C28]	13000		250

Surrogate	%Rec		Acceptance Limits
o-Terphenyl	0	D	60 - 130

Client: ERAS Environmental, Inc. Job Number: 720-2313-1

Client Sample ID: **B-1,2.75-3**

Lab Sample ID: 720-2313-10
Client Matrix: Solid

Date Sampled: 02/24/2006 0928
Date Received: 03/01/2006 1025

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Method: 8015B
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 03/08/2006 1820
Date Prepared: 03/08/2006 0757

Analysis Batch: 720-6427
Prep Batch: 720-6257

Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 30.12 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		1.9		1.0

Surrogate	%Rec	Acceptance Limits
o-Terphenyl	84	60 - 130

Client: ERAS Environmental, Inc. Job Number: 720-2313-1

Client Sample ID: **B-2,3.5-3.75**

Lab Sample ID: 720-2313-11
Client Matrix: Solid

Date Sampled: 02/24/2006 1203
Date Received: 03/01/2006 1025

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Method: 8015B
Preparation: 3550B
Dilution: 50
Date Analyzed: 03/09/2006 1541
Date Prepared: 03/08/2006 0757

Analysis Batch: 720-6427
Prep Batch: 720-6257

Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 30.07 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		4700		50

Surrogate	%Rec		Acceptance Limits
o-Terphenyl	0	D	60 - 130

Client: ERAS Environmental, Inc. Job Number: 720-2313-1

Client Sample ID: **B-2,7-7.25**

Lab Sample ID: 720-2313-12
Client Matrix: Solid

Date Sampled: 02/24/2006 1245
Date Received: 03/01/2006 1025

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Method: 8015B
Preparation: 3550B
Dilution: 10
Date Analyzed: 03/08/2006 2009
Date Prepared: 03/08/2006 0757

Analysis Batch: 720-6427
Prep Batch: 720-6257

Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 30.07 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		1100		10

Surrogate	%Rec		Acceptance Limits
o-Terphenyl	0	D	60 - 130

Client: ERAS Environmental, Inc. Job Number: 720-2313-1

Client Sample ID: **B-3,2.75-3**

Lab Sample ID: 720-2313-13 Date Sampled: 02/24/2006 1336
Client Matrix: Solid Date Received: 03/01/2006 1025

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Method: 8015B
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 03/08/2006 2132
Date Prepared: 03/08/2006 0757
Analysis Batch: 720-6427
Prep Batch: 720-6257
Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 30.37 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		74		0.99

Surrogate	%Rec	Acceptance Limits
o-Terphenyl	76	60 - 130

Client: ERAS Environmental, Inc. Job Number: 720-2313-1

Client Sample ID: B-3,7-7.25

Lab Sample ID: 720-2313-14
Client Matrix: Solid

Date Sampled: 02/24/2006 1344
Date Received: 03/01/2006 1025

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Method: 8015B
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 03/08/2006 1820
Date Prepared: 03/08/2006 0757

Analysis Batch: 720-6427
Prep Batch: 720-6257

Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 30.11 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		6.0		1.0

Surrogate	%Rec	Acceptance Limits
o-Terphenyl	75	60 - 130

Client: ERAS Environmental, Inc. Job Number: 720-2313-1

Client Sample ID: B-4,5-5.25

Lab Sample ID: 720-2313-15
Client Matrix: Solid

Date Sampled: 02/24/2006 1458
Date Received: 03/01/2006 1025

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Method: 8015B
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 03/08/2006 2009
Date Prepared: 03/08/2006 0757

Analysis Batch: 720-6427
Prep Batch: 720-6257

Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 30.29 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		ND		0.99

Surrogate	%Rec	Acceptance Limits
o-Terphenyl	79	60 - 130

Client: ERAS Environmental, Inc. Job Number: 720-2313-1

Client Sample ID: B-5,5-5.25

Lab Sample ID: 720-2313-16 Date Sampled: 02/24/2006 1549
Client Matrix: Solid Date Received: 03/01/2006 1025

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Method: 8015B
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 03/09/2006 1609
Date Prepared: 03/08/2006 0757
Analysis Batch: 720-6427
Prep Batch: 720-6257
Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 30.39 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		ND		0.99

Surrogate	%Rec	Acceptance Limits
o-Terphenyl	78	60 - 130

Client: ERAS Environmental, Inc. Job Number: 720-2313-1

Client Sample ID: B-5,6.75-7

Lab Sample ID: 720-2313-17
Client Matrix: Solid

Date Sampled: 02/24/2006 1623
Date Received: 03/01/2006 1025

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Method: 8015B
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 03/08/2006 1942
Date Prepared: 03/08/2006 0757

Analysis Batch: 720-6427
Prep Batch: 720-6257

Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 30.42 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		ND		0.99

Surrogate	%Rec	Acceptance Limits
o-Terphenyl	61	60 - 130

Client: ERAS Environmental, Inc. Job Number: 720-2313-1

Client Sample ID: B-6,4-4.5

Lab Sample ID: 720-2313-18
Client Matrix: Solid

Date Sampled: 02/27/2006 0755
Date Received: 03/01/2006 1025

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Method: 8015B
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 03/09/2006 1541
Date Prepared: 03/08/2006 0757

Analysis Batch: 720-6427
Prep Batch: 720-6257

Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 30.05 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		3.6		1.0

Surrogate	%Rec	Acceptance Limits
o-Terphenyl	84	60 - 130

Client: ERAS Environmental, Inc. Job Number: 720-2313-1

Client Sample ID: B-6,6-6.25

Lab Sample ID: 720-2313-19
Client Matrix: Solid

Date Sampled: 02/27/2006 0800
Date Received: 03/01/2006 1025

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Method: 8015B
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 03/09/2006 0230
Date Prepared: 03/08/2006 0757

Analysis Batch: 720-6427
Prep Batch: 720-6257

Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 30.31 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		4.8		0.99

Surrogate	%Rec	Acceptance Limits
o-Terphenyl	85	60 - 130

Client: ERAS Environmental, Inc. Job Number: 720-2313-1

Client Sample ID: B-7,4-4.5

Lab Sample ID: 720-2313-20
Client Matrix: Solid

Date Sampled: 02/27/2006 0935
Date Received: 03/01/2006 1025

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Method: 8015B
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 03/09/2006 0203
Date Prepared: 03/08/2006 0757

Analysis Batch: 720-6427
Prep Batch: 720-6257

Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 30.24 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		ND		0.99

Surrogate	%Rec	Acceptance Limits
o-Terphenyl	93	60 - 130

Client: ERAS Environmental, Inc. Job Number: 720-2313-1

Client Sample ID: B-7,6-6.25

Lab Sample ID: 720-2313-21
Client Matrix: Solid

Date Sampled: 02/27/2006 0945
Date Received: 03/01/2006 1025

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Method: 8015B
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 03/09/2006 0109
Date Prepared: 03/08/2006 0757

Analysis Batch: 720-6427
Prep Batch: 720-6257

Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 30.10 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		14		1.0

Surrogate	%Rec	Acceptance Limits
o-Terphenyl	79	60 - 130

Client: ERAS Environmental, Inc. Job Number: 720-2313-1

Client Sample ID: **B-8,3-3.5**

Lab Sample ID: 720-2313-22
Client Matrix: Solid

Date Sampled: 02/27/2006 1115
Date Received: 03/01/2006 1025

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Method: 8015B
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 03/09/2006 0015
Date Prepared: 03/08/2006 0757

Analysis Batch: 720-6427
Prep Batch: 720-6257

Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 30.03 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		ND		1.0

Surrogate	%Rec	Acceptance Limits
o-Terphenyl	81	60 - 130

Client: ERAS Environmental, Inc. Job Number: 720-2313-1

Client Sample ID: B-8,4.5-5

Lab Sample ID: 720-2313-23 Date Sampled: 02/27/2006 1120
Client Matrix: Solid Date Received: 03/01/2006 1025

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Method: 8015B
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 03/09/2006 1609
Date Prepared: 03/08/2006 0757
Analysis Batch: 720-6427
Prep Batch: 720-6257
Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 30.34 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		1.6		0.99

Surrogate	%Rec	Acceptance Limits
o-Terphenyl	71	60 - 130

Client: ERAS Environmental, Inc. Job Number: 720-2313-1

Client Sample ID: **B-9,4.5-5**

Lab Sample ID: 720-2313-24
Client Matrix: Solid

Date Sampled: 02/27/2006 1235
Date Received: 03/01/2006 1025

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Method: 8015B
Preparation: 3550B
Dilution: 50
Date Analyzed: 03/09/2006 1636
Date Prepared: 03/08/2006 0757

Analysis Batch: 720-6427
Prep Batch: 720-6257

Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 30.45 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		5400		49

Surrogate	%Rec		Acceptance Limits
o-Terphenyl	0	D	60 - 130

Client: ERAS Environmental, Inc. Job Number: 720-2313-1

Client Sample ID: B-9,10-10.25

Lab Sample ID: 720-2313-25
Client Matrix: Solid

Date Sampled: 02/27/2006 1240
Date Received: 03/01/2006 1025

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Method: 8015B
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 03/09/2006 1636
Date Prepared: 03/08/2006 0757

Analysis Batch: 720-6427
Prep Batch: 720-6257

Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 30.36 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		4.7		0.99

Surrogate	%Rec	Acceptance Limits
o-Terphenyl	85	60 - 130

DATA REPORTING QUALIFIERS

Client: ERAS Environmental, Inc. Job Number: 720-2313-1

Lab Section	Qualifier	Description
GC Semi VOA		
	D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution will be flagged with a D.

Client: ERAS Environmental, Inc. Job Number: 720-2313-1

QC Association Summary

Lab Sample ID	Client Sample ID	Client Matrix	Method	Prep Batch
GC Semi VOA				
Prep Batch: 720-6110				
LCS 720-6110/2-A	Lab Control Spike	Water	3510C	
LCSD 720-6110/3-A	Lab Control Spike Duplicate	Water	3510C	
MB 720-6110/1-A	Method Blank	Water	3510C	
720-2313-1	B-1	Water	3510C	
720-2313-2	B-2	Water	3510C	
720-2313-3	B-3	Water	3510C	
720-2313-4	B-4	Water	3510C	
720-2313-5	B-5	Water	3510C	
720-2313-6	B-6	Water	3510C	
720-2313-7	B-7	Water	3510C	
720-2313-8	B-8	Water	3510C	
720-2313-9	B-9	Water	3510C	
Prep Batch: 720-6257				
LCS 720-6257/2-A	Lab Control Spike	Solid	3550B	
LCSD 720-6257/3-A	Lab Control Spike Duplicate	Solid	3550B	
MB 720-6257/1-A	Method Blank	Solid	3550B	
720-2313-10	B-1,2.75-3	Solid	3550B	
720-2313-11	B-2,3.5-3.75	Solid	3550B	
720-2313-12	B-2,7-7.25	Solid	3550B	
720-2313-13	B-3,2.75-3	Solid	3550B	
720-2313-14	B-3,7-7.25	Solid	3550B	
720-2313-15	B-4,5-5.25	Solid	3550B	
720-2313-16	B-5,5-5.25	Solid	3550B	
720-2313-17	B-5,6.75-7	Solid	3550B	
720-2313-18	B-6,4-4.5	Solid	3550B	
720-2313-19	B-6,6-6.25	Solid	3550B	
720-2313-20	B-7,4-4.5	Solid	3550B	
720-2313-21	B-7,6-6.25	Solid	3550B	
720-2313-22	B-8,3-3.5	Solid	3550B	
720-2313-23	B-8,4.5-5	Solid	3550B	
720-2313-24	B-9,4.5-5	Solid	3550B	
720-2313-25	B-9,10-10.25	Solid	3550B	

Client: ERAS Environmental, Inc. Job Number: 720-2313-1

QC Association Summary

Lab Sample ID	Client Sample ID	Client Matrix	Method	Prep Batch
GC Semi VOA				
Analysis Batch:720-6413				
LCS 720-6110/2-A	Lab Control Spike	Water	8015B	720-6110
LCSD 720-6110/3-A	Lab Control Spike Duplicate	Water	8015B	720-6110
MB 720-6110/1-A	Method Blank	Water	8015B	720-6110
720-2313-1	B-1	Water	8015B	720-6110
720-2313-2	B-2	Water	8015B	720-6110
720-2313-3	B-3	Water	8015B	720-6110
720-2313-4	B-4	Water	8015B	720-6110
720-2313-5	B-5	Water	8015B	720-6110
720-2313-6	B-6	Water	8015B	720-6110
720-2313-7	B-7	Water	8015B	720-6110
720-2313-8	B-8	Water	8015B	720-6110
720-2313-9	B-9	Water	8015B	720-6110
Analysis Batch:720-6427				
LCS 720-6257/2-A	Lab Control Spike	Solid	8015B	720-6257
LCSD 720-6257/3-A	Lab Control Spike Duplicate	Solid	8015B	720-6257
MB 720-6257/1-A	Method Blank	Solid	8015B	720-6257
720-2313-10	B-1,2.75-3	Solid	8015B	720-6257
720-2313-11	B-2,3.5-3.75	Solid	8015B	720-6257
720-2313-12	B-2,7-7.25	Solid	8015B	720-6257
720-2313-13	B-3,2.75-3	Solid	8015B	720-6257
720-2313-14	B-3,7-7.25	Solid	8015B	720-6257
720-2313-15	B-4,5-5.25	Solid	8015B	720-6257
720-2313-16	B-5,5-5.25	Solid	8015B	720-6257
720-2313-17	B-5,6.75-7	Solid	8015B	720-6257
720-2313-18	B-6,4-4.5	Solid	8015B	720-6257
720-2313-19	B-6,6-6.25	Solid	8015B	720-6257
720-2313-20	B-7,4-4.5	Solid	8015B	720-6257
720-2313-21	B-7,6-6.25	Solid	8015B	720-6257
720-2313-22	B-8,3-3.5	Solid	8015B	720-6257
720-2313-23	B-8,4.5-5	Solid	8015B	720-6257
720-2313-24	B-9,4.5-5	Solid	8015B	720-6257
720-2313-25	B-9,10-10.25	Solid	8015B	720-6257

Client: ERAS Environmental, Inc. Job Number: 720-2313-1

Surrogate Recovery Report

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Client Matrix: Solid

Lab Sample ID	Client Sample	(OTPH) (%Rec)
720-2313-10	B-1,2.75-3	84
720-2313-11	B-2,3.5-3.75	0 D
720-2313-12	B-2,7-7.25	0 D
720-2313-13	B-3,2.75-3	76
720-2313-14	B-3,7-7.25	75
720-2313-15	B-4,5-5.25	79
720-2313-16	B-5,5-5.25	78
720-2313-17	B-5,6.75-7	61
720-2313-18	B-6,4-4.5	84
720-2313-19	B-6,6-6.25	85
720-2313-20	B-7,4-4.5	93
720-2313-21	B-7,6-6.25	79
720-2313-22	B-8,3-3.5	81
720-2313-23	B-8,4.5-5	71
720-2313-24	B-9,4.5-5	0 D
720-2313-25	B-9,10-10.25	85
LCS 720-6257/2-A	LCS	87
LCSD 720-6257/3-A	LCSD	91
MB 720-6257/1-A	MB	89

Surrogate		Acceptance Limits
(OTPH)	o-Terphenyl	60 - 130

Client: ERAS Environmental, Inc. Job Number: 720-2313-1

Surrogate Recovery Report

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Client Matrix: Water

Lab Sample ID	Client Sample	(OTPH) (%Rec)
720-2313-1	B-1	72
720-2313-2	B-2	79
720-2313-3	B-3	71
720-2313-4	B-4	94
720-2313-5	B-5	88
720-2313-6	B-6	93
720-2313-7	B-7	74
720-2313-8	B-8	97
720-2313-9	B-9	0 D
LCS 720-6110/2-A	LCS	97
LCSD 720-6110/3-A	LCSD	93
MB 720-6110/1-A	MB	83

Surrogate		Acceptance Limits
(OTPH)	o-Terphenyl	60 - 130

Method Blank - Batch: 720-6110

Method: 8015B
Preparation: 3510C

Lab Sample ID: MB 720-6110/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/02/2006 2134
Date Prepared: 03/02/2006 1215

Analysis Batch: 720-6413
Prep Batch: 720-6110
Units: ug/L

Instrument ID: HP DRO3
Lab File ID: N/A
Initial Weight/Volume: 250 mL
Final Weight/Volume: 1 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result	Qual	RL
Diesel Range Organics [C10-C28]	ND		50

Surrogate	% Rec	Acceptance Limits
o-Terphenyl	83	60 - 130

Laboratory Control/
Laboratory Control Duplicate Recovery Report - Batch: 720-6110

Method: 8015B
Preparation: 3510C

LCS Lab Sample ID: LCS 720-6110/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/02/2006 2202
Date Prepared: 03/02/2006 1215

Analysis Batch: 720-6413
Prep Batch: 720-6110
Units: ug/L

Instrument ID: HP DRO3
Lab File ID: N/A
Initial Weight/Volume: 250 mL
Final Weight/Volume: 1 mL
Injection Volume:
Column ID: PRIMARY

LCSD Lab Sample ID: LCSD 720-6110/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/02/2006 2230
Date Prepared: 03/02/2006 1215

Analysis Batch: 720-6413
Prep Batch: 720-6110
Units: ug/L

Instrument ID: HP DRO3
Lab File ID: N/A
Initial Weight/Volume: 250 mL
Final Weight/Volume: 1 mL
Injection Volume:
Column ID: PRIMARY

Analyte	% Rec. LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Diesel Range Organics [C10-C28]	80	76	60 - 130	5	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
o-Terphenyl	97	93	60 - 130

Calculations are performed before rounding to avoid round-off errors in calculated results.

Method Blank - Batch: 720-6257

Method: 8015B
Preparation: 3550B

Lab Sample ID: MB 720-6257/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/08/2006 1533
Date Prepared: 03/08/2006 0757

Analysis Batch: 720-6427
Prep Batch: 720-6257
Units: mg/Kg

Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 30.21 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result	Qual	RL
Diesel Range Organics [C10-C28]	ND		0.99

Surrogate	% Rec	Acceptance Limits
o-Terphenyl	89	60 - 130

Laboratory Control/
Laboratory Control Duplicate Recovery Report - Batch: 720-6257

Method: 8015B
Preparation: 3550B

LCS Lab Sample ID: LCS 720-6257/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/08/2006 1601
Date Prepared: 03/08/2006 0757

Analysis Batch: 720-6427
Prep Batch: 720-6257
Units: mg/Kg

Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 30.36 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

LCSD Lab Sample ID: LCSD 720-6257/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/08/2006 1628
Date Prepared: 03/08/2006 0757

Analysis Batch: 720-6427
Prep Batch: 720-6257
Units: mg/Kg

Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 30.35 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Diesel Range Organics [C10-C28]	83	83	60 - 130	0	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
o-Terphenyl	87	91	60 - 130

Calculations are performed before rounding to avoid round-off errors in calculated results.

STL San Francisco
1220 Quarry Lane

Pleasanton, CA 94566
phone 925-484-1919 fax 925-484-1096

720-2313

5915-94

Chain of Custody Record

SEVERN TRENT STL

Severn Trent Laboratories, Inc.

Client Contact	Project Manager: Gail Jones	Site Contact:	Date:	COC No:
ERAS Environmental, Inc.	Tel/Fax: 510-247-9885 x302	Lab Contact:	Carrier:	1 of 3 COCs
1533 B Street	Analysis Turnaround Time			Job No.
Hayward, CA, 94541	Calendar (C) or Work Days (W) _____			
(510) 247-9885 Phone	TAT if different from Below _____			SDG No.
(510) 886-5399 FAX	☐ 2 weeks			
Project Name: 4919 Tidewater Avenue	☒ 1 week			
4919 Tidewater Avenue	☐ 2 days			
P O # 05-001-06	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample	TPH-D	Sample Specific Notes:
B-1	2/24/06	10:26	1-Liter (6)	Water	2		x	
B-2	2/24/06	12:16	1-Liter (6)	Water	2		x	
B-3	2/24/06	13:32	1-Liter (6)	Water	2		x	
B-4	2/24/06	14:54	1-Liter (6)	Water	1		x	
B-5	2/24/06	17:15	1-Liter (6)	Water	2		x	
B-6	2/27/06	10:50	1-Liter (6)	Water	2		x	
B-7	2/27/06	13:15	1-Liter (6)	Water	1		x	
B-8	2/27/06	12:55	1-Liter (6)	Water	2		x	
B-9	2/27/06	14:00	1-Liter (6)	Water	2		x	

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other Unpreserved

Possible Hazard Identification
☐ *Non-Hazard* ☐ *Flammable* ☐ *Skin Irritant* ☐ *Poison B* ☐ *Unknown*

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For _____ Months*

Special Instructions/QC Requirements & Comments: PDF and EDF, Global ID #T0600100451

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
			Jocelyn Mulden	STL SF	3-1-06 10:25
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:

STL San Francisco
1220 Quarry Lane

Pleasanton, CA 94566
phone 925-484-1919 fax 925-484-1096

39514

720-2313
Chain of Custody Record

SEVERN TRENT STL

Severn Trent Laboratories, Inc.

Client Contact	Project Manager: Gail Jones	Site Contact:	Date:	COC No:
ERAS Environmental, Inc.	Tel/Fax: 510-247-9885 x302	Lab Contact:	Carrier:	2 of 3 COCs
1533 B Street	Analysis Turnaround Time			Job No.
Hayward, CA, 94541	Calendar (C) or Work Days (W) _____			
(510) 247-9885 Phone	TAT if different from Below _____			SDG No.
(510) 886-5399 FAX	☐ 2 weeks			
Project Name: 4919 Tidewater Avenue	☒ 1 week			
4919 Tidewater Avenue	☐ 2 days			
P O # 05-001-06	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample	TPH-D	Sample Specific Notes:
B-1, 2.75-3	2/24/06	9:28	Brass Tube (1)	Soil	1		x	Field Point ID - B-1
B-2, 3.5-3.75	2/24/06	12:03	Brass Tube (1)	Soil	1		x	Field Point ID - B-2
B-2, 7-7.25	2/24/06	12:45	Brass Tube (1)	Soil	1		x	Field Point ID - B-2
B-3, 2.75-3	2/24/06	13:36	Brass Tube (1)	Soil	1		x	Field Point ID - B-3
B-3, 7-7.25	2/24/06	13:44	Brass Tube (1)	Soil	1		x	Field Point ID - B-3
B-4,5-5.25	2/24/06	14:58	Brass Tube (1)	Soil	1		x	Field Point ID - B-4
B-5, 5-5.25	2/24/06	15:49	Brass Tube (1)	Soil	1		x	Field Point ID - B-5
B-5, 6.75-7	2/24/06	16:23	Brass Tube (1)	Soil	1		x	Field Point ID - B-5
B-6,4-4.5	2/27/06	7:55	Brass Tube (1)	Soil	1		x	Field Point ID - B-6
B-6,6-6.25	2/27/06	8:00	Brass Tube (1)	Soil	1		x	Field Point ID - B-6
B-7,4-4.5	2/27/06	9:35	Brass Tube (1)	Soil	1		x	Field Point ID - B-7
B-7,6-6.25	2/27/06	9:45	Brass Tube (1)	Soil	1		x	Field Point ID - B-7

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification
☐ *Non-Hazard* ☐ *Flammable* ☐ *Skin Irritant* ☐ *Poison B* ☐ *Unknown*

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For _____ Months*

Special Instructions/QC Requirements & Comments: PDF and EDF, Global ID #T0600100451

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
			Jason Mullen	STL SF	3-1-06 1025
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:

STL San Francisco
1220 Quarry Lane

Pleasanton, CA 94566
phone 925-484-1919 fax 925-484-1096

720-2313
Chain of Custody Record

3/15/06

SEVERN TRENT STL

Severn Trent Laboratories, Inc.

Client Contact	Project Manager: Gail Jones	Site Contact:	Date:	COC No:
ERAS Environmental, Inc.	Tel/Fax: 510-247-9885 x302	Lab Contact:	Carrier:	3 of 3 COCs
1533 B Street	Analysis Turnaround Time			Job No.
Hayward, CA, 94541	Calendar (C) or Work Days (W) _____			
(510) 247-9885 Phone	TAT if different from Below _____			SDG No.
(510) 886-5399 FAX	☐ 2 weeks			
Project Name: 4919 Tidewater Avenue	☒ 1 week			
4919 Tidewater Avenue	☐ 2 days			
P O # 05-001-06	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample	TPH-D	Sample Specific Notes:
B-8,3-3.5	2/27/06	11:15	Brass Tube (1)	Soil	1		x	Field Point ID - B-8
B-8,4.5-5	2/27/06	11:20	Brass Tube (1)	Soil	1		x	Field Point ID - B-8
B-9,4.5-5	2/27/06	12:35	Brass Tube (1)	Soil	1		x	Field Point ID - B-9
B-9,10-10.25	2/27/06	12:40	Brass Tube (1)	Soil	1		x	Field Point ID - B-9

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification
☐ *Non-Hazard* ☐ *Flammable* ☐ *Skin Irritant* ☐ *Poison B* ☐ *Unknown*

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*

Special Instructions/QC Requirements & Comments: PDF and EDF, Global ID #T0600100451

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
			Joan Mullen	STLSF	3/10 1025
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:

LOGIN SAMPLE RECEIPT CHECK LIST

Client: ERAS Environmental, Inc. Job Number: 720-2313-1

Login Number: 2313

Question	T/F/NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	NA	
The cooler's custody seal, if present, is intact.	NA	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

ANALYTICAL REPORT

Job Number: 720-3141-1

Job Description: 4919 Tidewater

For:
ERAS Environmental, Inc.
1533 B Street
Hayward, CA 94541

Attention: Ms. Gail Jones

Melissa Brewer
Project Manager I
mbrewer@stl-inc.com
05/05/2006
Revision: 1

Project Manager: Melissa Brewer

Case Narrative for job: 720-J3141-1

Client: ERAS Environmental, Inc.
Date: 05/05/2006

Semi Volatiles GC Analysis

Sample surrogate recovery out of control, matrix interference is evident.

Surrogate recovery for 3141-5 failed at 59% lower than control limits [60-130]. The raw data shows evidence of matrix interference. All other calibration and QC criteria were met.

Affected Items

720-3141-B-5-A

Batch: 720-7915
Method: 720-8015B_DRO

Semi Volatiles GC Analysis

Other Deficiency

The result of sample 3141 #19 with SG is 4.2ppm higher than non SG, ND. It has been re-extracted twice and confirmed.

Affected Items

720-3141-A-19-K

Batch: 720-8066
Method: 720-8015B_DRO

Semi Volatiles GC Analysis

Other Observation

The following batches had Silica Gel Cleanup performed:
7968
8066
8182
8241
8243
8274
8490

The following batches did not have Silica Gel Cleanup performed:
7847
7915
8251

Affected Items

720-3141

METHOD SUMMARY

Client: ERAS Environmental, Inc. Job Number: 720-3141-1

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)	STL-SF	SW846 8015B	
Organic Compounds in Water by Microextraction	STL-SF		SW846 3511
Ultrasonic Extraction	STL-SF		SW846 3550B
Silica Gel Cleanup	STL-SF		SW846 3630C
California WET Citrate Leach	STL-SF		CA-WET CA WET Citrate
Matrix: Water			
Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)	STL-SF	SW846 8015B	
Separatory Funnel Liquid-Liquid Extraction	STL-SF		SW846 3510C
Silica Gel Cleanup	STL-SF		SW846 3630C

LAB REFERENCES:

STL-SF = STL-San Francisco

METHOD REFERENCES:

SW846 - "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

SAMPLE SUMMARY

Client: ERAS Environmental, Inc. Job Number: 720-3141-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
720-3141-1	B-10	Water	04/12/2006 0902	04/13/2006 1855
720-3141-2	B-11	Water	04/12/2006 1000	04/13/2006 1855
720-3141-3	B-12	Water	04/12/2006 1251	04/13/2006 1855
720-3141-4	B-13	Water	04/12/2006 1134	04/13/2006 1855
720-3141-5	B-14	Water	04/12/2006 1225	04/13/2006 1855
720-3141-6	B-15	Water	04/12/2006 1440	04/13/2006 1855
720-3141-7	B-10, 4.5-5	Solid	04/12/2006 0855	04/13/2006 1855
720-3141-8	B-10, 9.5-10	Solid	04/12/2006 0850	04/13/2006 1855
720-3141-9	B-11, 4.5-5	Solid	04/12/2006 0950	04/13/2006 1855
720-3141-10	B-11, 8.5-8.75	Solid	04/12/2006 0955	04/13/2006 1855
720-3141-11	B-11, 8.75-9	Solid	04/12/2006 0955	04/13/2006 1855
720-3141-12	B-12, 2.5-2.75	Solid	04/12/2006 1021	04/13/2006 1855
720-3141-13	B-12, 2.75-3	Solid	04/12/2006 1021	04/13/2006 1855
720-3141-14	B-12, 7.5-8	Solid	04/12/2006 1030	04/13/2006 1855
720-3141-15	B-13, 4-4.5	Solid	04/12/2006 1051	04/13/2006 1855
720-3141-16	B-14, 4-4.5	Solid	04/12/2006 1016	04/13/2006 1855
720-3141-17	B-14, 7.5-8	Solid	04/12/2006 1221	04/13/2006 1855
720-3141-18	B-15, 8-8.5	Solid	04/12/2006 1431	04/13/2006 1855
720-3141-19	OB-5, 11-11.5	Solid	04/12/2006 1120	04/13/2006 1855

Client: ERAS Environmental, Inc. Job Number: 720-3141-1

Client Sample ID: **B-10**

Lab Sample ID: 720-3141-1
Client Matrix: Water

Date Sampled: 04/12/2006 0902
Date Received: 04/13/2006 1855

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Method: 8015B
Preparation: 3510C
Dilution: 1.0
Date Analyzed: 04/15/2006 1304
Date Prepared: 04/14/2006 0545

Analysis Batch: 720-7915
Prep Batch: 720-7693

Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 250 mL
Final Weight/Volume: 1 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C10-C28]	290		50

Surrogate	%Rec	Acceptance Limits
o-Terphenyl	79	60 - 130

Client: ERAS Environmental, Inc. Job Number: 720-3141-1

Client Sample ID: **B-10**

Lab Sample ID: 720-3141-1
Client Matrix: Water

Date Sampled: 04/12/2006 0902
Date Received: 04/13/2006 1855

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Method: 8015B
Preparation: 3510C
Dilution: 1.0
Date Analyzed: 04/27/2006 1038
Date Prepared: 04/26/2006 1705

Analysis Batch: 720-8292
Prep Batch: 720-8212

Instrument ID: HP DRO3
Lab File ID: N/A
Initial Weight/Volume: 250 mL
Final Weight/Volume: 1 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C10-C28]	ND		50

Surrogate	%Rec	Acceptance Limits
o-Terphenyl	83	60 - 130

Client: ERAS Environmental, Inc. Job Number: 720-3141-1

Client Sample ID: **B-11**

Lab Sample ID: 720-3141-2
Client Matrix: Water

Date Sampled: 04/12/2006 1000
Date Received: 04/13/2006 1855

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Method: 8015B
Preparation: 3510C
Dilution: 200
Date Analyzed: 04/17/2006 1112
Date Prepared: 04/14/2006 0545

Analysis Batch: 720-7915
Prep Batch: 720-7693

Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 250 mL
Final Weight/Volume: 1 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C10-C28]	1800000		10000

Surrogate	%Rec		Acceptance Limits
o-Terphenyl	0	D	60 - 130

Client: ERAS Environmental, Inc. Job Number: 720-3141-1

Client Sample ID: **B-11**

Lab Sample ID: 720-3141-2
Client Matrix: Water

Date Sampled: 04/12/2006 1000
Date Received: 04/13/2006 1855

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Method: 8015B
Preparation: 3510C
Dilution: 200
Date Analyzed: 04/20/2006 1418
Date Prepared: 04/18/2006 0614

Analysis Batch: 720-7968
Prep Batch: 720-7816

Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 250 mL
Final Weight/Volume: 1 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C10-C28]	660000		10000

Surrogate	%Rec		Acceptance Limits
o-Terphenyl	0	D	60 - 130

Client: ERAS Environmental, Inc. Job Number: 720-3141-1

Client Sample ID: **B-12**

Lab Sample ID: 720-3141-3
Client Matrix: Water

Date Sampled: 04/12/2006 1251
Date Received: 04/13/2006 1855

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Method: 8015B
Preparation: 3510C
Dilution: 500
Date Analyzed: 04/19/2006 1304
Date Prepared: 04/14/2006 0545

Analysis Batch: 720-7915
Prep Batch: 720-7693

Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 250 mL
Final Weight/Volume: 10 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C10-C28]	32000000		250000

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	0	D	60 - 130

Client: ERAS Environmental, Inc. Job Number: 720-3141-1

Client Sample ID: **B-12**

Lab Sample ID: 720-3141-3
Client Matrix: Water

Date Sampled: 04/12/2006 1251
Date Received: 04/13/2006 1855

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Method: 8015B
Preparation: 3510C
Dilution: 500
Date Analyzed: 04/20/2006 1446
Date Prepared: 04/18/2006 0614

Analysis Batch: 720-7968
Prep Batch: 720-7816

Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 250 mL
Final Weight/Volume: 1 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C10-C28]	2500000		25000

Surrogate	%Rec		Acceptance Limits
o-Terphenyl	0	D	60 - 130

Client: ERAS Environmental, Inc. Job Number: 720-3141-1

Client Sample ID: **B-13**

Lab Sample ID: 720-3141-4
Client Matrix: Water

Date Sampled: 04/12/2006 1134
Date Received: 04/13/2006 1855

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Method: 8015B
Preparation: 3510C
Dilution: 1.0
Date Analyzed: 04/15/2006 1453
Date Prepared: 04/14/2006 0545

Analysis Batch: 720-7915
Prep Batch: 720-7693

Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 250 mL
Final Weight/Volume: 1 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C10-C28]	1100		50

Surrogate	%Rec	Acceptance Limits
o-Terphenyl	92	60 - 130

Client: ERAS Environmental, Inc. Job Number: 720-3141-1

Client Sample ID: **B-13**

Lab Sample ID: 720-3141-4
Client Matrix: Water

Date Sampled: 04/12/2006 1134
Date Received: 04/13/2006 1855

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Method: 8015B
Preparation: 3510C
Dilution: 1.0
Date Analyzed: 04/20/2006 0904
Date Prepared: 04/18/2006 0614

Analysis Batch: 720-7968
Prep Batch: 720-7816

Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 250 mL
Final Weight/Volume: 1 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C10-C28]	130		50

Surrogate	%Rec	Acceptance Limits
o-Terphenyl	81	60 - 130

Client: ERAS Environmental, Inc. Job Number: 720-3141-1

Client Sample ID: **B-14**

Lab Sample ID: 720-3141-5
Client Matrix: Water

Date Sampled: 04/12/2006 1225
Date Received: 04/13/2006 1855

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Method: 8015B
Preparation: 3510C
Dilution: 1.0
Date Analyzed: 04/15/2006 1521
Date Prepared: 04/14/2006 0545

Analysis Batch: 720-7915
Prep Batch: 720-7693

Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 250 mL
Final Weight/Volume: 1 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C10-C28]	4700		50

Surrogate	%Rec		Acceptance Limits
o-Terphenyl	59	*	60 - 130

Client: ERAS Environmental, Inc. Job Number: 720-3141-1

Client Sample ID: **B-14**

Lab Sample ID: 720-3141-5
Client Matrix: Water

Date Sampled: 04/12/2006 1225
Date Received: 04/13/2006 1855

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Method: 8015B
Preparation: 3510C
Dilution: 1.0
Date Analyzed: 04/20/2006 0931
Date Prepared: 04/18/2006 0614

Analysis Batch: 720-7968
Prep Batch: 720-7816

Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 250 mL
Final Weight/Volume: 1 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C10-C28]	560		50

Surrogate	%Rec	Acceptance Limits
o-Terphenyl	94	60 - 130

Client: ERAS Environmental, Inc. Job Number: 720-3141-1

Client Sample ID: **B-15**

Lab Sample ID: 720-3141-6
Client Matrix: Water

Date Sampled: 04/12/2006 1440
Date Received: 04/13/2006 1855

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Method: 8015B
Preparation: 3510C
Dilution: 1.0
Date Analyzed: 04/15/2006 1548
Date Prepared: 04/14/2006 0545

Analysis Batch: 720-7915
Prep Batch: 720-7693

Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 250 mL
Final Weight/Volume: 1 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C10-C28]	1400		50

Surrogate	%Rec	Acceptance Limits
o-Terphenyl	102	60 - 130

Client: ERAS Environmental, Inc. Job Number: 720-3141-1

Client Sample ID: B-15

Lab Sample ID: 720-3141-6
Client Matrix: Water

Date Sampled: 04/12/2006 1440
Date Received: 04/13/2006 1855

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Method: 8015B
Preparation: 3510C
Dilution: 1.0
Date Analyzed: 04/20/2006 0959
Date Prepared: 04/18/2006 0614

Analysis Batch: 720-7968
Prep Batch: 720-7816

Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 250 mL
Final Weight/Volume: 1 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C10-C28]	320		50

Surrogate	%Rec	Acceptance Limits
o-Terphenyl	80	60 - 130

Client: ERAS Environmental, Inc. Job Number: 720-3141-1

Client Sample ID: **B-10, 4.5-5**

Lab Sample ID: 720-3141-7
Client Matrix: Solid

Date Sampled: 04/12/2006 0855
Date Received: 04/13/2006 1855

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Method: 8015B
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 04/15/2006 1901
Date Prepared: 04/14/2006 0740

Analysis Batch: 720-7847
Prep Batch: 720-7697

Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 30.13 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		ND		1.0

Surrogate	%Rec	Acceptance Limits
o-Terphenyl	85	60 - 130

Client: ERAS Environmental, Inc. Job Number: 720-3141-1

Client Sample ID: **B-10, 4.5-5**

Lab Sample ID: 720-3141-7
Client Matrix: Solid

Date Sampled: 04/12/2006 0855
Date Received: 04/13/2006 1855

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Method: 8015B
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 04/20/2006 0647
Date Prepared: 04/18/2006 1719

Analysis Batch: 720-8182
Prep Batch: 720-7866

Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 30.13 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		ND		1.0

Surrogate	%Rec	Acceptance Limits
o-Terphenyl	88	60 - 130

Client: ERAS Environmental, Inc. Job Number: 720-3141-1

Client Sample ID: **B-10, 9.5-10**

Lab Sample ID: 720-3141-8
Client Matrix: Solid

Date Sampled: 04/12/2006 0850
Date Received: 04/13/2006 1855

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Method: 8015B
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 04/15/2006 1928
Date Prepared: 04/14/2006 0740

Analysis Batch: 720-7847
Prep Batch: 720-7697

Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 30.30 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		ND		0.99

Surrogate	%Rec	Acceptance Limits
o-Terphenyl	87	60 - 130

Client: ERAS Environmental, Inc. Job Number: 720-3141-1

Client Sample ID: **B-10, 9.5-10**

Lab Sample ID: 720-3141-8
Client Matrix: Solid

Date Sampled: 04/12/2006 0850
Date Received: 04/13/2006 1855

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Method: 8015B
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 04/20/2006 0313
Date Prepared: 04/18/2006 1719

Analysis Batch: 720-8182
Prep Batch: 720-7866

Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 30.30 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		ND		0.99

Surrogate	%Rec	Acceptance Limits
o-Terphenyl	84	60 - 130

Client: ERAS Environmental, Inc. Job Number: 720-3141-1

Client Sample ID: **B-11, 4.5-5**

Lab Sample ID: 720-3141-9
Client Matrix: Solid

Date Sampled: 04/12/2006 0950
Date Received: 04/13/2006 1855

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Method: 8015B
Preparation: 3550B
Dilution: 10
Date Analyzed: 04/17/2006 1502
Date Prepared: 04/14/2006 0740

Analysis Batch: 720-7847
Prep Batch: 720-7697

Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 30.14 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		2900		10

Surrogate	%Rec		Acceptance Limits
o-Terphenyl	0	D	60 - 130

Client: ERAS Environmental, Inc. Job Number: 720-3141-1

Client Sample ID: B-11, 4.5-5

Lab Sample ID: 720-3141-9
Client Matrix: Solid

Date Sampled: 04/12/2006 0950
Date Received: 04/13/2006 1855

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Method: 8015B
Preparation: 3550B
Dilution: 10
Date Analyzed: 04/20/2006 1541
Date Prepared: 04/18/2006 1719

Analysis Batch: 720-8182
Prep Batch: 720-7866

Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 30.14 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		3000		10

Surrogate	%Rec		Acceptance Limits
o-Terphenyl	0	D	60 - 130

Client: ERAS Environmental, Inc. Job Number: 720-3141-1

Client Sample ID: B-11, 8.5-8.75

Lab Sample ID: 720-3141-10
Client Matrix: Solid

Date Sampled: 04/12/2006 0955
Date Received: 04/13/2006 1855

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics) -STLC Citrate

Method:	8015B	Analysis Batch: 720-8251		Instrument ID:	Varian DRO4
Preparation:	3511	Prep Batch: 720-8050		Lab File ID:	N/A
Dilution:	1.0	Leachate Batch: 720-8053		Initial Weight/Volume:	35 mL
Date Analyzed:	04/25/2006 2144			Final Weight/Volume:	2 mL
Date Prepared:	04/24/2006 0919			Injection Volume:	
Date Leached:	04/19/2006 1457			Column ID:	PRIMARY

Analyte	DryWt Corrected: N	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C10-C28]		690		2.9

Surrogate	%Rec	Acceptance Limits
o-Terphenyl	95	60 - 130

Client: ERAS Environmental, Inc. Job Number: 720-3141-1

Client Sample ID: **B-11, 8.5-8.75**

Lab Sample ID: 720-3141-10
Client Matrix: Solid

Date Sampled: 04/12/2006 0955
Date Received: 04/13/2006 1855

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics) -STLC Citrate

Method:	8015B	Analysis Batch: 720-8490		Instrument ID:	Varian DRO4
Preparation:	3511	Prep Batch: 720-8035		Lab File ID:	N/A
Dilution:	1.0	Leachate Batch: 720-8054		Initial Weight/Volume:	35 mL
Date Analyzed:	04/25/2006 1646			Final Weight/Volume:	2 mL
Date Prepared:	04/21/2006 1836			Injection Volume:	
Date Leached:	04/19/2006 1458			Column ID:	PRIMARY

Analyte	DryWt Corrected: N	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C10-C28]		890		2.9

Surrogate	%Rec	Acceptance Limits
o-Terphenyl	100	60 - 130

Client: ERAS Environmental, Inc. Job Number: 720-3141-1

Client Sample ID: **B-11, 8.75-9**

Lab Sample ID: 720-3141-11
Client Matrix: Solid

Date Sampled: 04/12/2006 0955
Date Received: 04/13/2006 1855

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Method: 8015B
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 04/15/2006 2050
Date Prepared: 04/14/2006 0740

Analysis Batch: 720-7847
Prep Batch: 720-7697

Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 30.20 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		ND		0.99

Surrogate	%Rec	Acceptance Limits
o-Terphenyl	63	60 - 130

Client: ERAS Environmental, Inc. Job Number: 720-3141-1

Client Sample ID: **B-11, 8.75-9**

Lab Sample ID: 720-3141-11
Client Matrix: Solid

Date Sampled: 04/12/2006 0955
Date Received: 04/13/2006 1855

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Method: 8015B
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 04/20/2006 1608
Date Prepared: 04/18/2006 1719

Analysis Batch: 720-8182
Prep Batch: 720-7866

Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 30.20 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		ND		0.99

Surrogate	%Rec	Acceptance Limits
o-Terphenyl	61	60 - 130

Client: ERAS Environmental, Inc. Job Number: 720-3141-1

Client Sample ID: B-12, 2.5-2.75

Lab Sample ID: 720-3141-12
Client Matrix: Solid

Date Sampled: 04/12/2006 1021
Date Received: 04/13/2006 1855

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics) -STLC Citrate

Method:	8015B	Analysis Batch: 720-8251		Instrument ID:	Varian DRO4
Preparation:	3511	Prep Batch: 720-8050		Lab File ID:	N/A
Dilution:	1.0	Leachate Batch: 720-8053		Initial Weight/Volume:	35 mL
Date Analyzed:	04/24/2006 2349			Final Weight/Volume:	2 mL
Date Prepared:	04/24/2006 0919			Injection Volume:	
Date Leached:	04/19/2006 1457			Column ID:	PRIMARY

Analyte	DryWt Corrected: N	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C10-C28]		5100		2.8

Surrogate	%Rec	Acceptance Limits
o-Terphenyl	101	60 - 130

Client: ERAS Environmental, Inc. Job Number: 720-3141-1

Client Sample ID: **B-12, 2.5-2.75**

Lab Sample ID: 720-3141-12
Client Matrix: Solid

Date Sampled: 04/12/2006 1021
Date Received: 04/13/2006 1855

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics) -STLC Citrate

Method:	8015B	Analysis Batch: 720-8490		Instrument ID:	Varian DRO4
Preparation:	3511	Prep Batch: 720-8035		Lab File ID:	N/A
Dilution:	1.0	Leachate Batch: 720-8054		Initial Weight/Volume:	35 mL
Date Analyzed:	04/25/2006 1713			Final Weight/Volume:	2 mL
Date Prepared:	04/21/2006 1836			Injection Volume:	
Date Leached:	04/19/2006 1458			Column ID:	PRIMARY

Analyte	DryWt Corrected: N	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C10-C28]		2800		2.8

Surrogate	%Rec	Acceptance Limits
o-Terphenyl	97	60 - 130

Client: ERAS Environmental, Inc. Job Number: 720-3141-1

Client Sample ID: **B-12, 2.75-3**

Lab Sample ID: 720-3141-13
Client Matrix: Solid

Date Sampled: 04/12/2006 1021
Date Received: 04/13/2006 1855

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Method: 8015B
Preparation: 3550B
Dilution: 10
Date Analyzed: 04/17/2006 1557
Date Prepared: 04/14/2006 0740

Analysis Batch: 720-7847
Prep Batch: 720-7697

Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 30.21 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		1100		9.9

Surrogate	%Rec		Acceptance Limits
o-Terphenyl	0	D	60 - 130

Client: ERAS Environmental, Inc. Job Number: 720-3141-1

Client Sample ID: **B-12, 2.75-3**

Lab Sample ID: 720-3141-13
Client Matrix: Solid

Date Sampled: 04/12/2006 1021
Date Received: 04/13/2006 1855

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Method: 8015B
Preparation: 3550B
Dilution: 10
Date Analyzed: 04/20/2006 1636
Date Prepared: 04/18/2006 1719

Analysis Batch: 720-8182
Prep Batch: 720-7866

Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 30.21 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		1300		9.9

Surrogate	%Rec		Acceptance Limits
o-Terphenyl	0	D	60 - 130

Client: ERAS Environmental, Inc. Job Number: 720-3141-1

Client Sample ID: **B-12, 7.5-8**

Lab Sample ID: 720-3141-14
Client Matrix: Solid

Date Sampled: 04/12/2006 1030
Date Received: 04/13/2006 1855

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Method: 8015B
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 04/15/2006 2335
Date Prepared: 04/14/2006 0740

Analysis Batch: 720-7847
Prep Batch: 720-7697

Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 30.42 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		ND		0.99

Surrogate	%Rec	Acceptance Limits
o-Terphenyl	60	60 - 130

Client: ERAS Environmental, Inc. Job Number: 720-3141-1

Client Sample ID: **B-12, 7.5-8**

Lab Sample ID: 720-3141-14
Client Matrix: Solid

Date Sampled: 04/12/2006 1030
Date Received: 04/13/2006 1855

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Method: 8015B
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 04/26/2006 1145
Date Prepared: 04/24/2006 1205

Analysis Batch: 720-8241
Prep Batch: 720-8058

Instrument ID: HP DRO3
Lab File ID: N/A
Initial Weight/Volume: 30.11 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		ND		1.0

Surrogate	%Rec	Acceptance Limits
o-Terphenyl	60	60 - 130

Client: ERAS Environmental, Inc. Job Number: 720-3141-1

Client Sample ID: **B-13, 4-4.5**

Lab Sample ID: 720-3141-15
Client Matrix: Solid

Date Sampled: 04/12/2006 1051
Date Received: 04/13/2006 1855

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Method: 8015B
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 04/16/2006 0002
Date Prepared: 04/14/2006 0740

Analysis Batch: 720-7847
Prep Batch: 720-7697

Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 30.19 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		ND		0.99

Surrogate	%Rec	Acceptance Limits
o-Terphenyl	67	60 - 130

Client: ERAS Environmental, Inc. Job Number: 720-3141-1

Client Sample ID: **B-13, 4-4.5**

Lab Sample ID: 720-3141-15
Client Matrix: Solid

Date Sampled: 04/12/2006 1051
Date Received: 04/13/2006 1855

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Method: 8015B
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 04/20/2006 2131
Date Prepared: 04/18/2006 1719

Analysis Batch: 720-8182
Prep Batch: 720-7866

Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 30.19 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		ND		0.99

Surrogate	%Rec	Acceptance Limits
o-Terphenyl	64	60 - 130

Client: ERAS Environmental, Inc. Job Number: 720-3141-1

Client Sample ID: **B-14, 4-4.5**

Lab Sample ID: 720-3141-16
Client Matrix: Solid

Date Sampled: 04/12/2006 1016
Date Received: 04/13/2006 1855

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Method: 8015B
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 04/16/2006 0030
Date Prepared: 04/14/2006 0740

Analysis Batch: 720-7847
Prep Batch: 720-7697

Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 30.01 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		92		1.0

Surrogate	%Rec	Acceptance Limits
o-Terphenyl	86	60 - 130

Client: ERAS Environmental, Inc. Job Number: 720-3141-1

Client Sample ID: **B-14, 4-4.5**

Lab Sample ID: 720-3141-16
Client Matrix: Solid

Date Sampled: 04/12/2006 1016
Date Received: 04/13/2006 1855

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Method: 8015B
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 04/20/2006 2159
Date Prepared: 04/18/2006 1719

Analysis Batch: 720-8182
Prep Batch: 720-7866

Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 30.01 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		73		1.0

Surrogate	%Rec	Acceptance Limits
o-Terphenyl	80	60 - 130

Client: ERAS Environmental, Inc. Job Number: 720-3141-1

Client Sample ID: **B-14, 7.5-8**

Lab Sample ID: 720-3141-17
Client Matrix: Solid

Date Sampled: 04/12/2006 1221
Date Received: 04/13/2006 1855

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Method: 8015B
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 04/16/2006 0057
Date Prepared: 04/14/2006 0740

Analysis Batch: 720-7847
Prep Batch: 720-7697

Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 30.06 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		2.5		1.0

Surrogate	%Rec	Acceptance Limits
o-Terphenyl	89	60 - 130

Client: ERAS Environmental, Inc. Job Number: 720-3141-1

Client Sample ID: **B-14, 7.5-8**

Lab Sample ID: 720-3141-17
Client Matrix: Solid

Date Sampled: 04/12/2006 1221
Date Received: 04/13/2006 1855

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Method: 8015B
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 04/20/2006 0525
Date Prepared: 04/18/2006 1719

Analysis Batch: 720-8182
Prep Batch: 720-7866

Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 30.06 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		1.9		1.0

Surrogate	%Rec	Acceptance Limits
o-Terphenyl	86	60 - 130

Client: ERAS Environmental, Inc. Job Number: 720-3141-1

Client Sample ID: **B-15, 8-8.5**

Lab Sample ID: 720-3141-18
Client Matrix: Solid

Date Sampled: 04/12/2006 1431
Date Received: 04/13/2006 1855

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Method: 8015B
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 04/16/2006 0124
Date Prepared: 04/14/2006 0740

Analysis Batch: 720-7847
Prep Batch: 720-7697

Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 30.39 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		ND		0.99

Surrogate	%Rec	Acceptance Limits
o-Terphenyl	79	60 - 130

Client: ERAS Environmental, Inc. Job Number: 720-3141-1

Client Sample ID: **B-15, 8-8.5**

Lab Sample ID: 720-3141-18
Client Matrix: Solid

Date Sampled: 04/12/2006 1431
Date Received: 04/13/2006 1855

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Method: 8015B
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 04/26/2006 1748
Date Prepared: 04/26/2006 1222

Analysis Batch: 720-8243
Prep Batch: 720-8183

Instrument ID: HP DRO3
Lab File ID: N/A
Initial Weight/Volume: 30.04 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		ND		1.0

Surrogate	%Rec	Acceptance Limits
o-Terphenyl	75	60 - 130

Client: ERAS Environmental, Inc. Job Number: 720-3141-1

Client Sample ID: OB-5, 11-11.5

Lab Sample ID: 720-3141-19
Client Matrix: Solid

Date Sampled: 04/12/2006 1120
Date Received: 04/13/2006 1855

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Method: 8015B
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 04/16/2006 0151
Date Prepared: 04/14/2006 0740

Analysis Batch: 720-7847
Prep Batch: 720-7697

Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 30.14 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		1.9		1.0

Surrogate	%Rec	Acceptance Limits
o-Terphenyl	79	60 - 130

Client: ERAS Environmental, Inc. Job Number: 720-3141-1

Client Sample ID: OB-5, 11-11.5

Lab Sample ID: 720-3141-19
Client Matrix: Solid

Date Sampled: 04/12/2006 1120
Date Received: 04/13/2006 1855

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Method: 8015B
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 04/21/2006 2252
Date Prepared: 04/21/2006 0657

Analysis Batch: 720-8066
Prep Batch: 720-7981

Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 30.06 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		4.3		1.0

Surrogate	%Rec	Acceptance Limits
o-Terphenyl	64	60 - 130

DATA REPORTING QUALIFIERS

Client: ERAS Environmental, Inc. Job Number: 720-3141-1

Lab Section	Qualifier	Description
GC Semi VOA		
	*	LCS, LCSD, MS, MSD, MD, or Surrogate exceeds the control limits
	D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution will be flagged with a D.

Client: ERAS Environmental, Inc. Job Number: 720-3141-1

QC Association Summary

Lab Sample ID	Client Sample ID	Client Matrix	Method	Prep Batch
GC Semi VOA				
Prep Batch: 720-7693				
LCS 720-7693/2-A	Lab Control Spike	Water	3510C	
LCSD 720-7693/3-A	Lab Control Spike Duplicate	Water	3510C	
MB 720-7693/1-A	Method Blank	Water	3510C	
720-3141-1	B-10	Water	3510C	
720-3141-2	B-11	Water	3510C	
720-3141-3	B-12	Water	3510C	
720-3141-4	B-13	Water	3510C	
720-3141-5	B-14	Water	3510C	
720-3141-6	B-15	Water	3510C	
Prep Batch: 720-7697				
LCS 720-7697/2-A	Lab Control Spike	Solid	3550B	
LCSD 720-7697/3-A	Lab Control Spike Duplicate	Solid	3550B	
MB 720-7697/1-A	Method Blank	Solid	3550B	
720-3141-7	B-10, 4.5-5	Solid	3550B	
720-3141-8	B-10, 9.5-10	Solid	3550B	
720-3141-9	B-11, 4.5-5	Solid	3550B	
720-3141-11	B-11, 8.75-9	Solid	3550B	
720-3141-13	B-12, 2.75-3	Solid	3550B	
720-3141-14	B-12, 7.5-8	Solid	3550B	
720-3141-15	B-13, 4-4.5	Solid	3550B	
720-3141-16	B-14, 4-4.5	Solid	3550B	
720-3141-17	B-14, 7.5-8	Solid	3550B	
720-3141-18	B-15, 8-8.5	Solid	3550B	
720-3141-19	OB-5, 11-11.5	Solid	3550B	
720-3141-19MS	Matrix Spike	Solid	3550B	
720-3141-19MSD	Matrix Spike Duplicate	Solid	3550B	
Prep Batch: 720-7816				
LCS 720-7816/2-B	Lab Control Spike	Water	3510C	
LCSD 720-7816/3-B	Lab Control Spike Duplicate	Water	3510C	
MB 720-7816/1-B	Method Blank	Water	3510C	
720-3141-2	B-11	Water	3510C	
720-3141-3	B-12	Water	3510C	
720-3141-4	B-13	Water	3510C	
720-3141-5	B-14	Water	3510C	
720-3141-6	B-15	Water	3510C	

Client: ERAS Environmental, Inc. Job Number: 720-3141-1

QC Association Summary

Lab Sample ID	Client Sample ID	Client Matrix	Method	Prep Batch
GC Semi VOA				
Prep Batch: 720-7866				
LCS 720-7866/2-C	Lab Control Spike	Solid	3550B	
LCSD 720-7866/3-C	Lab Control Spike Duplicate	Solid	3550B	
MB 720-7866/1-C	Method Blank	Solid	3550B	
720-3141-7	B-10, 4.5-5	Solid	3550B	
720-3141-8	B-10, 9.5-10	Solid	3550B	
720-3141-9	B-11, 4.5-5	Solid	3550B	
720-3141-11	B-11, 8.75-9	Solid	3550B	
720-3141-13	B-12, 2.75-3	Solid	3550B	
720-3141-15	B-13, 4-4.5	Solid	3550B	
720-3141-16	B-14, 4-4.5	Solid	3550B	
720-3141-17	B-14, 7.5-8	Solid	3550B	
Prep Batch: 720-7981				
720-3141-19	OB-5, 11-11.5	Solid	3550B	
Prep Batch: 720-8058				
LCS 720-8058/2-B	Lab Control Spike	Solid	3550B	
LCSD 720-8058/3-B	Lab Control Spike Duplicate	Solid	3550B	
MB 720-8058/1-B	Method Blank	Solid	3550B	
720-3141-14	B-12, 7.5-8	Solid	3550B	
Prep Batch: 720-8183				
LCS 720-8183/2-B	Lab Control Spike	Solid	3550B	
LCSD 720-8183/3-B	Lab Control Spike Duplicate	Solid	3550B	
MB 720-8183/1-B	Method Blank	Solid	3550B	
720-3141-18	B-15, 8-8.5	Solid	3550B	
720-3141-18MS	Matrix Spike	Solid	3550B	
720-3141-18MSD	Matrix Spike Duplicate	Solid	3550B	
Prep Batch: 720-8212				
LCS 720-8212/2-B	Lab Control Spike	Water	3510C	
LCSD 720-8212/3-B	Lab Control Spike Duplicate	Water	3510C	
MB 720-8212/1-B	Method Blank	Water	3510C	
720-3141-1	B-10	Water	3510C	
Prep Batch: 720-8053				
LCS 720-8053/4-E	Lab Control Spike	Solid	CA WET Citrate	
LCSD 720-8053/5-E	Lab Control Spike Duplicate	Solid	CA WET Citrate	
MB 720-8053/1-E	Method Blank	Solid	CA WET Citrate	
720-3141-10	B-11, 8.5-8.75	Solid	CA WET Citrate	
720-3141-12	B-12, 2.5-2.75	Solid	CA WET Citrate	

Client: ERAS Environmental, Inc. Job Number: 720-3141-1

QC Association Summary

Lab Sample ID	Client Sample ID	Client Matrix	Method	Prep Batch
GC Semi VOA				
Prep Batch: 720-8054				
LCS 720-8054/4-D	Lab Control Spike	Solid	CA WET Citrate	
LCSD 720-8054/5-D	Lab Control Spike Duplicate	Solid	CA WET Citrate	
MB 720-8054/1-D	Method Blank	Solid	CA WET Citrate	
720-3141-10	B-11, 8.5-8.75	Solid	CA WET Citrate	
720-3141-12	B-12, 2.5-2.75	Solid	CA WET Citrate	
Analysis Batch:720-7915				
LCS 720-7693/2-A	Lab Control Spike	Water	8015B	720-7693
LCSD 720-7693/3-A	Lab Control Spike Duplicate	Water	8015B	720-7693
MB 720-7693/1-A	Method Blank	Water	8015B	720-7693
720-3141-1	B-10	Water	8015B	720-7693
720-3141-2	B-11	Water	8015B	720-7693
720-3141-3	B-12	Water	8015B	720-7693
720-3141-4	B-13	Water	8015B	720-7693
720-3141-5	B-14	Water	8015B	720-7693
720-3141-6	B-15	Water	8015B	720-7693
Analysis Batch:720-7847				
LCS 720-7697/2-A	Lab Control Spike	Solid	8015B	720-7697
LCSD 720-7697/3-A	Lab Control Spike Duplicate	Solid	8015B	720-7697
MB 720-7697/1-A	Method Blank	Solid	8015B	720-7697
720-3141-7	B-10, 4.5-5	Solid	8015B	720-7697
720-3141-8	B-10, 9.5-10	Solid	8015B	720-7697
720-3141-9	B-11, 4.5-5	Solid	8015B	720-7697
720-3141-11	B-11, 8.75-9	Solid	8015B	720-7697
720-3141-13	B-12, 2.75-3	Solid	8015B	720-7697
720-3141-14	B-12, 7.5-8	Solid	8015B	720-7697
720-3141-15	B-13, 4-4.5	Solid	8015B	720-7697
720-3141-16	B-14, 4-4.5	Solid	8015B	720-7697
720-3141-17	B-14, 7.5-8	Solid	8015B	720-7697
720-3141-18	B-15, 8-8.5	Solid	8015B	720-7697
720-3141-19	OB-5, 11-11.5	Solid	8015B	720-7697
720-3141-19MS	Matrix Spike	Solid	8015B	720-7697
720-3141-19MSD	Matrix Spike Duplicate	Solid	8015B	720-7697
Analysis Batch:720-7968				
LCS 720-7816/2-B	Lab Control Spike	Water	8015B	720-7816
LCSD 720-7816/3-B	Lab Control Spike Duplicate	Water	8015B	720-7816
MB 720-7816/1-B	Method Blank	Water	8015B	720-7816
720-3141-2	B-11	Water	8015B	720-7816
720-3141-3	B-12	Water	8015B	720-7816
720-3141-4	B-13	Water	8015B	720-7816
720-3141-5	B-14	Water	8015B	720-7816
720-3141-6	B-15	Water	8015B	720-7816

Client: ERAS Environmental, Inc. Job Number: 720-3141-1

QC Association Summary

Lab Sample ID	Client Sample ID	Client Matrix	Method	Prep Batch
GC Semi VOA				
Analysis Batch:720-8182				
LCS 720-7866/2-C	Lab Control Spike	Solid	8015B	720-7866
LCSD 720-7866/3-C	Lab Control Spike Duplicate	Solid	8015B	720-7866
MB 720-7866/1-C	Method Blank	Solid	8015B	720-7866
720-3141-7	B-10, 4.5-5	Solid	8015B	720-7866
720-3141-8	B-10, 9.5-10	Solid	8015B	720-7866
720-3141-9	B-11, 4.5-5	Solid	8015B	720-7866
720-3141-11	B-11, 8.75-9	Solid	8015B	720-7866
720-3141-13	B-12, 2.75-3	Solid	8015B	720-7866
720-3141-15	B-13, 4-4.5	Solid	8015B	720-7866
720-3141-16	B-14, 4-4.5	Solid	8015B	720-7866
720-3141-17	B-14, 7.5-8	Solid	8015B	720-7866
Analysis Batch:720-8066				
720-3141-19	OB-5, 11-11.5	Solid	8015B	720-7981
Analysis Batch:720-8490				
LCS 720-8054/4-D	Lab Control Spike	Solid	8015B	720-8035
LCSD 720-8054/5-D	Lab Control Spike Duplicate	Solid	8015B	720-8035
MB 720-8054/1-D	Method Blank	Solid	8015B	720-8035
720-3141-10	B-11, 8.5-8.75	Solid	8015B	720-8035
720-3141-12	B-12, 2.5-2.75	Solid	8015B	720-8035
Analysis Batch:720-8251				
LCS 720-8053/4-E	Lab Control Spike	Solid	8015B	720-8050
LCSD 720-8053/5-E	Lab Control Spike Duplicate	Solid	8015B	720-8050
MB 720-8053/1-E	Method Blank	Solid	8015B	720-8050
720-3141-10	B-11, 8.5-8.75	Solid	8015B	720-8050
720-3141-12	B-12, 2.5-2.75	Solid	8015B	720-8050
Prep Batch: 720-8050				
LCS 720-8053/4-E	Lab Control Spike	Solid	3511	720-8053
LCSD 720-8053/5-E	Lab Control Spike Duplicate	Solid	3511	720-8053
MB 720-8053/1-E	Method Blank	Solid	3511	720-8053
720-3141-10	B-11, 8.5-8.75	Solid	3511	720-8053
720-3141-12	B-12, 2.5-2.75	Solid	3511	720-8053
Prep Batch: 720-8035				
LCS 720-8054/4-D	Lab Control Spike	Solid	3511	720-8054
LCSD 720-8054/5-D	Lab Control Spike Duplicate	Solid	3511	720-8054
MB 720-8054/1-D	Method Blank	Solid	3511	720-8054
720-3141-10	B-11, 8.5-8.75	Solid	3511	720-8054
720-3141-12	B-12, 2.5-2.75	Solid	3511	720-8054

Client: ERAS Environmental, Inc. Job Number: 720-3141-1

QC Association Summary

Lab Sample ID	Client Sample ID	Client Matrix	Method	Prep Batch
GC Semi VOA				
Analysis Batch:720-8241				
LCS 720-8058/2-B	Lab Control Spike	Solid	8015B	720-8058
LCSD 720-8058/3-B	Lab Control Spike Duplicate	Solid	8015B	720-8058
MB 720-8058/1-B	Method Blank	Solid	8015B	720-8058
720-3141-14	B-12, 7.5-8	Solid	8015B	720-8058
Analysis Batch:720-8243				
LCS 720-8183/2-B	Lab Control Spike	Solid	8015B	720-8183
LCSD 720-8183/3-B	Lab Control Spike Duplicate	Solid	8015B	720-8183
MB 720-8183/1-B	Method Blank	Solid	8015B	720-8183
720-3141-18	B-15, 8-8.5	Solid	8015B	720-8183
720-3141-18MS	Matrix Spike	Solid	8015B	720-8183
720-3141-18MSD	Matrix Spike Duplicate	Solid	8015B	720-8183
Analysis Batch:720-8292				
LCS 720-8212/2-B	Lab Control Spike	Water	8015B	720-8212
LCSD 720-8212/3-B	Lab Control Spike Duplicate	Water	8015B	720-8212
MB 720-8212/1-B	Method Blank	Water	8015B	720-8212
720-3141-1	B-10	Water	8015B	720-8212

Client: ERAS Environmental, Inc. Job Number: 720-3141-1

Surrogate Recovery Report

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Client Matrix: Solid

Lab Sample ID	Client Sample	(OTPH) (%Rec)
720-3141-7	B-10, 4.5-5	88
720-3141-8	B-10, 9.5-10	87
720-3141-9	B-11, 4.5-5	0 D
720-3141-11	B-11, 8.75-9	63
720-3141-13	B-12, 2.75-3	0 D
720-3141-14	B-12, 7.5-8	60
720-3141-15	B-13, 4-4.5	67
720-3141-16	B-14, 4-4.5	86
720-3141-17	B-14, 7.5-8	89
720-3141-18	B-15, 8-8.5	79
720-3141-19	OB-5, 11-11.5	79
720-3141-18MS	B-15, 8-8.5	73
720-3141-18MSD	B-15, 8-8.5	76
720-3141-19MS	OB-5, 11-11.5	72
720-3141-19MSD	OB-5, 11-11.5	81
LCS 720-7697/2-A		90
LCS 720-7866/2-C		87
LCS 720-8058/2-B		80
LCS 720-8183/2-B		81
LCSD 720-7697/3-A		93
LCSD 720-7866/3-C		93
LCSD 720-8058/3-B		80
LCSD 720-8183/3-B		79
MB 720-7697/1-A		86
MB 720-7866/1-C		87

Client: ERAS Environmental, Inc. Job Number: 720-3141-1

	(OTPH) (%Rec)
MB 720-8058/1-B	68
MB 720-8183/1-B	72

Surrogate		Acceptance Limits
(OTPH)	o-Terphenyl	60 - 130

Client: ERAS Environmental, Inc. Job Number: 720-3141-1

Surrogate Recovery Report

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Client Matrix: Solid STLC Citrate

Lab Sample ID	Client Sample	(OTPH) (%Rec)
720-3141-10	B-11, 8.5-8.75	95
720-3141-12	B-12, 2.5-2.75	97
LCS 720-8053/4-E		108
LCS 720-8054/4-D		108
LCSD 720-8053/5-E		110
LCSD 720-8054/5-D		107
MB 720-8053/1-E		99
MB 720-8054/1-D		99

Surrogate		Acceptance Limits
(OTPH)	o-Terphenyl	60 - 130

Client: ERAS Environmental, Inc. Job Number: 720-3141-1

Surrogate Recovery Report

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Client Matrix: Water

Lab Sample ID	Client Sample	(OTPH) (%Rec)
720-3141-1	B-10	83
720-3141-2	B-11	0 D
720-3141-3	B-12	0 D
720-3141-4	B-13	92
720-3141-5	B-14	94
720-3141-6	B-15	80
LCS 720-7693/2-A		85
LCS 720-7816/2-B		83
LCS 720-8212/2-B		80
LCSD 720-7693/3-A		80
LCSD 720-7816/3-B		81
LCSD 720-8212/3-B		76
MB 720-7693/1-A		87
MB 720-7816/1-B		88
MB 720-8212/1-B		77

Surrogate		Acceptance Limits
(OTPH)	o-Terphenyl	60 - 130

Client: ERAS Environmental, Inc. Job Number: 720-3141-1

Method Blank - Batch: 720-7693

Method: 8015B
Preparation: 3510C

Lab Sample ID: MB 720-7693/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/15/2006 1142
Date Prepared: 04/14/2006 0545

Analysis Batch: 720-7915
Prep Batch: 720-7693
Units: ug/L

Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 250 mL
Final Weight/Volume: 1 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result	Qual	RL
Diesel Range Organics [C10-C28]	ND		50

Surrogate	% Rec	Acceptance Limits
o-Terphenyl	87	60 - 130

Laboratory Control/
Laboratory Control Duplicate Recovery Report - Batch: 720-7693

Method: 8015B
Preparation: 3510C

LCS Lab Sample ID: LCS 720-7693/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/15/2006 1209
Date Prepared: 04/14/2006 0545

Analysis Batch: 720-7915
Prep Batch: 720-7693
Units: ug/L

Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 250 mL
Final Weight/Volume: 1 mL
Injection Volume:
Column ID: PRIMARY

LCSD Lab Sample ID: LCSD 720-7693/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/15/2006 1236
Date Prepared: 04/14/2006 0545

Analysis Batch: 720-7915
Prep Batch: 720-7693
Units: ug/L

Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 250 mL
Final Weight/Volume: 1 mL
Injection Volume:
Column ID: PRIMARY

		% Rec.					
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Diesel Range Organics [C10-C28]	85	79	60 - 130	6	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
o-Terphenyl	85	80	60 - 130

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ERAS Environmental, Inc. Job Number: 720-3141-1

Method Blank - Batch: 720-7697

Method: 8015B
Preparation: 3550B

Lab Sample ID: MB 720-7697/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 04/15/2006 1643
Date Prepared: 04/14/2006 0740

Analysis Batch: 720-7847
Prep Batch: 720-7697
Units: mg/Kg

Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 30.10 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result	Qual	RL
Diesel Range Organics [C10-C28]	ND		1.0

Surrogate	% Rec	Acceptance Limits
o-Terphenyl	86	60 - 130

Laboratory Control/
Laboratory Control Duplicate Recovery Report - Batch: 720-7697

Method: 8015B
Preparation: 3550B

LCS Lab Sample ID: LCS 720-7697/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 04/15/2006 1711
Date Prepared: 04/14/2006 0740

Analysis Batch: 720-7847
Prep Batch: 720-7697
Units: mg/Kg

Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 30.22 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

LCSD Lab Sample ID: LCSD 720-7697/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 04/15/2006 1738
Date Prepared: 04/14/2006 0740

Analysis Batch: 720-7847
Prep Batch: 720-7697
Units: mg/Kg

Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 30.06 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Diesel Range Organics [C10-C28]	90	93	60 - 130	4	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
o-Terphenyl	90	93	60 - 130

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ERAS Environmental, Inc. Job Number: 720-3141-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-7697

Method: 8015B
Preparation: 3550B

MS Lab Sample ID:	720-3141-19	Analysis Batch:	720-7847	Instrument ID:	HP DRO5
Client Matrix:	Solid	Prep Batch:	720-7697	Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	30.23 g
Date Analyzed:	04/16/2006 0219			Final Weight/Volume:	5 mL
Date Prepared:	04/14/2006 0740			Injection Volume:	
				Column ID:	PRIMARY
MSD Lab Sample ID:	720-3141-19	Analysis Batch:	720-7847	Instrument ID:	HP DRO5
Client Matrix:	Solid	Prep Batch:	720-7697	Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	30.07 g
Date Analyzed:	04/16/2006 0246			Final Weight/Volume:	5 mL
Date Prepared:	04/14/2006 0740			Injection Volume:	
				Column ID:	PRIMARY

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Diesel Range Organics [C10-C28]	77	80	60 - 130	5	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
o-Terphenyl	72	81	60 - 130

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ERAS Environmental, Inc. Job Number: 720-3141-1

Method Blank - Batch: 720-7816

Method: 8015B
Preparation: 3510C

Lab Sample ID: MB 720-7816/1-B
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/20/2006 0119
Date Prepared: 04/18/2006 0614

Analysis Batch: 720-7968
Prep Batch: 720-7816
Units: ug/L

Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 250 mL
Final Weight/Volume: 1 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result	Qual	RL
Diesel Range Organics [C10-C28]	ND		50

Surrogate	% Rec	Acceptance Limits
o-Terphenyl	88	60 - 130

Laboratory Control/
Laboratory Control Duplicate Recovery Report - Batch: 720-7816

Method: 8015B
Preparation: 3510C

LCS Lab Sample ID: LCS 720-7816/2-B
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/19/2006 2302
Date Prepared: 04/18/2006 0614

Analysis Batch: 720-7968
Prep Batch: 720-7816
Units: ug/L

Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 250 mL
Final Weight/Volume: 1 mL
Injection Volume:
Column ID: PRIMARY

LCSD Lab Sample ID: LCSD 720-7816/3-B
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/19/2006 2330
Date Prepared: 04/18/2006 0614

Analysis Batch: 720-7968
Prep Batch: 720-7816
Units: ug/L

Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 250 mL
Final Weight/Volume: 1 mL
Injection Volume:
Column ID: PRIMARY

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Diesel Range Organics [C10-C28]	80	78	60 - 130	3	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
o-Terphenyl	83	81	60 - 130

Calculations are performed before rounding to avoid round-off errors in calculated results.

Method Blank - Batch: 720-7866

Method: 8015B
Preparation: 3550B

Lab Sample ID: MB 720-7866/1-C
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 04/20/2006 0525
Date Prepared: 04/18/2006 1719

Analysis Batch: 720-8182
Prep Batch: 720-7866
Units: mg/Kg

Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 30.10 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result	Qual	RL
Diesel Range Organics [C10-C28]	ND		1.0

Surrogate	% Rec	Acceptance Limits
o-Terphenyl	87	60 - 130

Laboratory Control/
Laboratory Control Duplicate Recovery Report - Batch: 720-7866

Method: 8015B
Preparation: 3550B

LCS Lab Sample ID: LCS 720-7866/2-C
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 04/20/2006 0552
Date Prepared: 04/18/2006 1719

Analysis Batch: 720-8182
Prep Batch: 720-7866
Units: mg/Kg

Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 30.22 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

LCSD Lab Sample ID: LCSD 720-7866/3-C
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 04/20/2006 0619
Date Prepared: 04/18/2006 1719

Analysis Batch: 720-8182
Prep Batch: 720-7866
Units: mg/Kg

Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 30.06 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Diesel Range Organics [C10-C28]	86	93	60 - 130	8	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
o-Terphenyl	87	93	60 - 130

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ERAS Environmental, Inc. Job Number: 720-3141-1

Method Blank - Batch: 720-8035

Method: 8015B
Preparation: 3511
STLC Citrate

Lab Sample ID: MB 720-8054/1-D
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 04/25/2006 1525
Date Prepared: 04/21/2006 1836
Date Leached: 04/19/2006 1458

Analysis Batch: 720-8490
Prep Batch: 720-8035
Units: ug/L

Instrument ID: Varian DRO4
Lab File ID: N/A
Initial Weight/Volume: 35 mL
Final Weight/Volume: 2 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result	Qual	RL
Diesel Range Organics [C10-C28]	ND		0.29

Surrogate	% Rec	Acceptance Limits
o-Terphenyl	99	60 - 130

Laboratory Control/
Laboratory Control Duplicate Recovery Report - Batch: 720-8035

Method: 8015B
Preparation: 3511
STLC Citrate

LCS Lab Sample ID: LCS 720-8054/4-D
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 04/25/2006 1552
Date Prepared: 04/21/2006 1836
Date Leached: 04/19/2006 1458

Analysis Batch: 720-8490
Prep Batch: 720-8035
Units: ug/L

Instrument ID: Varian DRO4
Lab File ID: N/A
Initial Weight/Volume: 35 mL
Final Weight/Volume: 2 mL
Injection Volume:
Column ID: PRIMARY

LCSD Lab Sample ID: LCSD 720-8054/5-D
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 04/25/2006 1619
Date Prepared: 04/21/2006 1836
Date Leached: 04/19/2006 1458

Analysis Batch: 720-8490
Prep Batch: 720-8035
Units: ug/L

Instrument ID: Varian DRO4
Lab File ID: N/A
Initial Weight/Volume: 35 mL
Final Weight/Volume: 2 mL
Injection Volume:
Column ID: PRIMARY

		% Rec.					
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Diesel Range Organics [C10-C28]	108	110	60 - 130	1	25		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
o-Terphenyl	108	107	60 - 130

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ERAS Environmental, Inc. Job Number: 720-3141-1

Method Blank - Batch: 720-8050

Method: 8015B
Preparation: 3511
STLC Citrate

Lab Sample ID: MB 720-8053/1-E
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 04/24/2006 2200
Date Prepared: 04/24/2006 0919
Date Leached: 04/19/2006 1457

Analysis Batch: 720-8251
Prep Batch: 720-8050
Units: ug/L

Instrument ID: Varian DRO4
Lab File ID: N/A
Initial Weight/Volume: 35 mL
Final Weight/Volume: 2 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result	Qual	RL
Diesel Range Organics [C10-C28]	ND		0.29

Surrogate	% Rec	Acceptance Limits
o-Terphenyl	99	60 - 130

Laboratory Control/
Laboratory Control Duplicate Recovery Report - Batch: 720-8050

Method: 8015B
Preparation: 3511
STLC Citrate

LCS Lab Sample ID: LCS 720-8053/4-E
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 04/24/2006 2227
Date Prepared: 04/24/2006 0919
Date Leached: 04/19/2006 1457

Analysis Batch: 720-8251
Prep Batch: 720-8050
Units: ug/L

Instrument ID: Varian DRO4
Lab File ID: N/A
Initial Weight/Volume: 35 mL
Final Weight/Volume: 2 mL
Injection Volume:
Column ID: PRIMARY

LCSD Lab Sample ID: LCSD 720-8053/5-E
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 04/24/2006 2255
Date Prepared: 04/24/2006 0919
Date Leached: 04/19/2006 1457

Analysis Batch: 720-8251
Prep Batch: 720-8050
Units: ug/L

Instrument ID: Varian DRO4
Lab File ID: N/A
Initial Weight/Volume: 35 mL
Final Weight/Volume: 2 mL
Injection Volume:
Column ID: PRIMARY

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Diesel Range Organics [C10-C28]	111	114	60 - 130	3	25		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
o-Terphenyl	108	110	60 - 130

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ERAS Environmental, Inc. Job Number: 720-3141-1

Method Blank - Batch: 720-8058

Method: 8015B
Preparation: 3550B

Lab Sample ID: MB 720-8058/1-B
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 04/24/2006 1559
Date Prepared: 04/24/2006 1205

Analysis Batch: 720-8241
Prep Batch: 720-8058
Units: mg/Kg

Instrument ID: HP DRO3
Lab File ID: N/A
Initial Weight/Volume: 30.04 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result	Qual	RL
Diesel Range Organics [C10-C28]	ND		1.0

Surrogate	% Rec	Acceptance Limits
o-Terphenyl	68	60 - 130

Laboratory Control/
Laboratory Control Duplicate Recovery Report - Batch: 720-8058

Method: 8015B
Preparation: 3550B

LCS Lab Sample ID: LCS 720-8058/2-B
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 04/24/2006 1627
Date Prepared: 04/24/2006 1205

Analysis Batch: 720-8241
Prep Batch: 720-8058
Units: mg/Kg

Instrument ID: HP DRO3
Lab File ID: N/A
Initial Weight/Volume: 30.00 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

LCSD Lab Sample ID: LCSD 720-8058/3-B
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 04/24/2006 1654
Date Prepared: 04/24/2006 1205

Analysis Batch: 720-8241
Prep Batch: 720-8058
Units: mg/Kg

Instrument ID: HP DRO3
Lab File ID: N/A
Initial Weight/Volume: 30.02 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

Analyte	% Rec. LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Diesel Range Organics [C10-C28]	70	66	60 - 130	7	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
o-Terphenyl	80	80	60 - 130

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ERAS Environmental, Inc. Job Number: 720-3141-1

Method Blank - Batch: 720-8183

Method: 8015B
Preparation: 3550B

Lab Sample ID: MB 720-8183/1-B
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 04/26/2006 1624
Date Prepared: 04/26/2006 1222

Analysis Batch: 720-8243
Prep Batch: 720-8183
Units: mg/Kg

Instrument ID: HP DRO3
Lab File ID: N/A
Initial Weight/Volume: 30.21 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result	Qual	RL
Diesel Range Organics [C10-C28]	ND		0.99

Surrogate	% Rec	Acceptance Limits
o-Terphenyl	72	60 - 130

Laboratory Control/
Laboratory Control Duplicate Recovery Report - Batch: 720-8183

Method: 8015B
Preparation: 3550B

LCS Lab Sample ID: LCS 720-8183/2-B
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 04/26/2006 1652
Date Prepared: 04/26/2006 1222

Analysis Batch: 720-8243
Prep Batch: 720-8183
Units: mg/Kg

Instrument ID: HP DRO3
Lab File ID: N/A
Initial Weight/Volume: 30.13 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

LCSD Lab Sample ID: LCSD 720-8183/3-B
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 04/26/2006 1720
Date Prepared: 04/26/2006 1222

Analysis Batch: 720-8243
Prep Batch: 720-8183
Units: mg/Kg

Instrument ID: HP DRO3
Lab File ID: N/A
Initial Weight/Volume: 30.29 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Diesel Range Organics [C10-C28]	71	68	60 - 130	6	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
o-Terphenyl	81	79	60 - 130

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ERAS Environmental, Inc. Job Number: 720-3141-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-8183

Method: 8015B
Preparation: 3550B

MS Lab Sample ID:	720-3141-18	Analysis Batch: 720-8243	Instrument ID: HP DRO3
Client Matrix:	Solid	Prep Batch: 720-8183	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 30.06 g
Date Analyzed:	04/26/2006 1843		Final Weight/Volume: 5 mL
Date Prepared:	04/26/2006 1222		Injection Volume:
			Column ID: PRIMARY
MSD Lab Sample ID:	720-3141-18	Analysis Batch: 720-8243	Instrument ID: HP DRO3
Client Matrix:	Solid	Prep Batch: 720-8183	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 30.16 g
Date Analyzed:	04/26/2006 1911		Final Weight/Volume: 5 mL
Date Prepared:	04/26/2006 1222		Injection Volume:
			Column ID: PRIMARY

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Diesel Range Organics [C10-C28]	62	66	60 - 130	6	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
o-Terphenyl	73	76	60 - 130

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ERAS Environmental, Inc. Job Number: 720-3141-1

Method Blank - Batch: 720-8212

Method: 8015B
Preparation: 3510C

Lab Sample ID: MB 720-8212/1-B
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/27/2006 1106
Date Prepared: 04/26/2006 1705

Analysis Batch: 720-8292
Prep Batch: 720-8212
Units: ug/L

Instrument ID: HP DRO3
Lab File ID: N/A
Initial Weight/Volume: 250 mL
Final Weight/Volume: 1 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result	Qual	RL
Diesel Range Organics [C10-C28]	ND		50

Surrogate	% Rec	Acceptance Limits
o-Terphenyl	77	60 - 130

Laboratory Control/
Laboratory Control Duplicate Recovery Report - Batch: 720-8212

Method: 8015B
Preparation: 3510C

LCS Lab Sample ID: LCS 720-8212/2-B
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/27/2006 1325
Date Prepared: 04/26/2006 1705

Analysis Batch: 720-8292
Prep Batch: 720-8212
Units: ug/L

Instrument ID: HP DRO3
Lab File ID: N/A
Initial Weight/Volume: 250 mL
Final Weight/Volume: 1 mL
Injection Volume:
Column ID: PRIMARY

LCSD Lab Sample ID: LCSD 720-8212/3-B
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/27/2006 1201
Date Prepared: 04/26/2006 1705

Analysis Batch: 720-8292
Prep Batch: 720-8212
Units: ug/L

Instrument ID: HP DRO3
Lab File ID: N/A
Initial Weight/Volume: 250 mL
Final Weight/Volume: 1 mL
Injection Volume:
Column ID: PRIMARY

Analyte	% Rec. LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Diesel Range Organics [C10-C28]	71	66	60 - 130	7	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
o-Terphenyl	80	76	60 - 130

Calculations are performed before rounding to avoid round-off errors in calculated results.

STL San Francisco
1220 Quarry Lane

Pleasanton, CA 94566
phone 925-484-1919 fax 925-484-1096

720-3141

Chain of Custody Record

SEVERN TRENT STL

40427

Severn Trent Laboratories, Inc.

Client Contact	Project Manager: Gail Jones	Site Contact:	Date:	COC No:
ERAS Environmental, Inc.	Tel/Fax:	Lab Contact:	Carrier:	1 of 2 COCs
1533 B Street	Analysis Turnaround Time			Job No.
Hayward, CA, 94541	Calendar (C) or Work Days (W)			
(510) 247-9885 Phone	TAT if different from Below			SDG No.
(510) 886-5399 FAX	☐ 2 weeks			
Project Name: 05-001-09	☒ 1 week			
Site: 4919 Tidewater Avenue	☐ 2 days			
P O # 05-001-09	☐ 1 day			

	Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample	TPH-d	TPH-d STLC	Sample Specific Notes:
1	B-10	4/12/06	9:02	1Liter (6)	Water	2		X		Field Point ID (B-10)
2	B-11	4/12/06	10:00	1Liter (6)	Water	2		X		Field Point ID (B-11)
3	B-12	4/12/06	12:51	1Liter (6)	Water	1		X		Field Point ID (B-12)
4	B-13	4/12/06	11:34	1Liter (6)	Water	2		X		Field Point ID (B-13)
5	B-14	4/12/06	12:25	1Liter (6)	Water	2		X		Field Point ID (B-14)
6	B-15	4/12/06	14:40	1Liter (6)	Water	2		X		Field Point ID (B-15)
7	B-10, 4.5-5	4/12/06	8:55	Tube (6)	Soil	1		X		Field Point ID (B-10)
8	B-10, 9.5-10	4/12/06	8:50	Tube (6)	Soil	1		X		Field Point ID (B-10)
9	B-11, 4.5-5	4/12/06	9:50	Tube (6)	Soil	1		X		Field Point ID (B-11)
10	B-11, 8.5-8.75	4/12/06	9:55	Tube (6)	Soil	1			X	Field Point ID (B-11)
11	B-11, 8.75-9	4/12/06	9:55	Tube (6)	Soil	1		X		Field Point ID (B-11)
12	B-12, 2.5-2.75	4/12/06	10:21	Tube (6)	Soil	1			X	Field Point ID (B-12)

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other Unpreserved

Possible Hazard Identification
☐ *Non-Hazard* ☐ *Flammable* ☐ *Skin Irritant* ☐ *Poison B* ☐ *Unknown*

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For _____ Months*

Special Instructions/QC Requirements & Comments: GLOBAL ID: T0600100451 WE will also need a EDF and PDF.

Tony · 2°C

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
	ERAS	4-13-06		STL-SF	4/13/06
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
	STL-SF	4/13/06		STL-SF	4/13/06 1855
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
	STL-SF	4/13/06			

STL San Francisco
1220 Quarry Lane

Pleasanton, CA 94566
phone 925-484-1919 fax 925-484-1096

720-3141

Chain of Custody Record

SEVERN TRENT STL
404427
Severn Trent Laboratories, Inc.

Client Contact	Project Manager: Gail Jones	Site Contact:	Date:	COC No:
ERAS Environmental, Inc.	Tel/Fax:	Lab Contact:	Carrier:	2 of 2 COCs
1533 B Street	Analysis Turnaround Time			Job No.
Hayward, CA, 94541	Calendar (C) or Work Days (W) _____			
(510) 247-9885 Phone	TAT if different from Below _____			SDG No.
(510) 886-5399 FAX	☐ 2 weeks			
Project Name: 05-001-09	☒ 1 week			
Site: 4919 Tidewater Avenue	☐ 2 days			
P O # 05-001-09	☐ 1 day			

	Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample	TPH-d	Waste Extraction Ttest	Sample Specific Notes:
13	B-12, 2.75-3	4/12/06	10:21	Tube (1)	Soil	1		X		Field Point ID (B-12)
14	B-12, 7.5-8	4/12/06	10:30	Tube (1)	Soil	1		X		Field Point ID (B-12)
15	B-13, 4-4.5	4/12/06	10:51	Tube (1)	Soil	1		X		Field Point ID (B-13)
	B-14, 4-4.5	4/12/06	10:16	Tube (1)	Soil	1		X		Field Point ID (B-14)
	B-14, 7.5-8	4/12/06	12:21	Tube (1)	Soil	1		X		Field Point ID (B-14)
	B-15, 8-8.5	4/12/06	14:31	Tube (1)	Soil	1		X		Field Point ID (B-15)
	OB-5, 11-11.5	4/7/06	11:20	Tube (1)	Soil	1		X		Field Point ID (OB-5)

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other Unpreserved

Possible Hazard Identification
☐ *Non-Hazard* ☐ *Flammable* ☐ *Skin Irritant* ☐ *Poison B* ☐ *Unknown*

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For _____ Months*

Special Instructions/QC Requirements & Comments: GLOBAL ID: T0600100451 WE will also need a EDF and PDF.

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
	ERAS	4-13-06		STL-SF	4/13/06 1035
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
	STL-SF	4/13/06		STL-SF	4/13/06 1855
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
	STL-SF	4/13/06			

LOGIN SAMPLE RECEIPT CHECK LIST

Client: ERAS Environmental, Inc. Job Number: 720-3141-1

Login Number: 3141

Question	T/F/NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	NA	
The cooler's custody seal, if present, is intact.	NA	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	False	REC'D only 1L, it is only 1/2 full
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

ANALYTICAL REPORT

Job Number: 720-3141-2

Job Description: 4919 Tidewater

For:
ERAS Environmental, Inc.
1533 B Street
Hayward, CA 94541

Attention: Ms. Gail Jones

Melissa Brewer
Project Manager I
mbrewer@stl-inc.com
05/11/2006

Project Manager: Melissa Brewer

METHOD SUMMARY

Client: ERAS Environmental, Inc. Job Number: 720-3141-2

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)	STL-SF	SW846 8015B	
Ultrasonic Extraction	STL-SF		SW846 3550B

LAB REFERENCES:

STL-SF = STL-San Francisco

METHOD REFERENCES:

SW846 - "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

SAMPLE SUMMARY

Client: ERAS Environmental, Inc. Job Number: 720-3141-2

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
720-3141-10	B-11, 8.5-8.75	Solid	04/12/2006 0955	04/13/2006 1855
720-3141-12	B-12, 2.5-2.75	Solid	04/12/2006 1021	04/13/2006 1855

Client: ERAS Environmental, Inc. Job Number: 720-3141-2

Client Sample ID: B-11, 8.5-8.75

Lab Sample ID: 720-3141-10
Client Matrix: Solid

Date Sampled: 04/12/2006 0955
Date Received: 04/13/2006 1855

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Method: 8015B
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 04/15/2006 2023
Date Prepared: 04/14/2006 0740

Analysis Batch: 720-8814
Prep Batch: 720-7697

Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 30.05 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		1.2		1.0

Surrogate	%Rec	Acceptance Limits
o-Terphenyl	75	60 - 130

Client: ERAS Environmental, Inc. Job Number: 720-3141-2

Client Sample ID: B-12, 2.5-2.75

Lab Sample ID: 720-3141-12
Client Matrix: Solid

Date Sampled: 04/12/2006 1021
Date Received: 04/13/2006 1855

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Method: 8015B
Preparation: 3550B
Dilution: 10
Date Analyzed: 04/17/2006 1530
Date Prepared: 04/14/2006 0740

Analysis Batch: 720-8814
Prep Batch: 720-7697

Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 30.40 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		990		9.9

Surrogate	%Rec		Acceptance Limits
o-Terphenyl	0	D	60 - 130

DATA REPORTING QUALIFIERS

Client: ERAS Environmental, Inc. Job Number: 720-3141-2

Lab Section	Qualifier	Description
GC Semi VOA		
	D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution will be flagged with a D.

Client: ERAS Environmental, Inc. Job Number: 720-3141-2

QC Association Summary

Lab Sample ID	Client Sample ID	Client Matrix	Method	Prep Batch
GC Semi VOA				
Prep Batch: 720-7697				
LCS 720-7697/2-A	Lab Control Spike	Solid	3550B	
LCSD 720-7697/3-A	Lab Control Spike Duplicate	Solid	3550B	
MB 720-7697/1-A	Method Blank	Solid	3550B	
720-3141-10	B-11, 8.5-8.75	Solid	3550B	
720-3141-12	B-12, 2.5-2.75	Solid	3550B	
Analysis Batch:720-8814				
LCS 720-7697/2-A	Lab Control Spike	Solid	8015B	720-7697
LCSD 720-7697/3-A	Lab Control Spike Duplicate	Solid	8015B	720-7697
MB 720-7697/1-A	Method Blank	Solid	8015B	720-7697
720-3141-10	B-11, 8.5-8.75	Solid	8015B	720-7697
720-3141-12	B-12, 2.5-2.75	Solid	8015B	720-7697

Client: ERAS Environmental, Inc. Job Number: 720-3141-2

Surrogate Recovery Report

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Client Matrix: Solid

Lab Sample ID	Client Sample	(OTPH) (%Rec)
720-3141-10	B-11, 8.5-8.75	75
720-3141-12	B-12, 2.5-2.75	0 D
LCS 720-7697/2-A		90
LCSD 720-7697/3-A		93
MB 720-7697/1-A		86

Surrogate		Acceptance Limits
(OTPH)	o-Terphenyl	60 - 130

Client: ERAS Environmental, Inc. Job Number: 720-3141-2

Method Blank - Batch: 720-7697

Method: 8015B
Preparation: 3550B

Lab Sample ID: MB 720-7697/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 04/15/2006 1643
Date Prepared: 04/14/2006 0740

Analysis Batch: 720-8814
Prep Batch: 720-7697
Units: mg/Kg

Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 30.10 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result	Qual	RL
Diesel Range Organics [C10-C28]	ND		1.0

Surrogate	% Rec	Acceptance Limits
o-Terphenyl	86	60 - 130

Laboratory Control/
Laboratory Control Duplicate Recovery Report - Batch: 720-7697

Method: 8015B
Preparation: 3550B

LCS Lab Sample ID: LCS 720-7697/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 04/15/2006 1711
Date Prepared: 04/14/2006 0740

Analysis Batch: 720-8814
Prep Batch: 720-7697
Units: mg/Kg

Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 30.22 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

LCSD Lab Sample ID: LCSD 720-7697/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 04/15/2006 1738
Date Prepared: 04/14/2006 0740

Analysis Batch: 720-8814
Prep Batch: 720-7697
Units: mg/Kg

Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 30.06 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

		% Rec.					
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Diesel Range Organics [C10-C28]	90	93	60 - 130	4	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
o-Terphenyl	90	93	60 - 130

Calculations are performed before rounding to avoid round-off errors in calculated results.

Brewer, Melissa

720-3141-2

From: David Siegel [dave@eras.biz]
Sent: Monday, May 08, 2006 3:45 PM
To: Brewer, Melissa
Subject: 4919 Tidewater

The samples we would like to have the TPH-d concentrations for (no silica gel) are the following

- 720-3141-10
- 720-3141-12

Thanks very much

David Siegel
ERAS Environmental, Inc.
1533 B Street
Hayward, CA 94541
510.247.9885 X304
510.886.5399
dave@eras.biz

STL San Francisco
1220 Quarry Lane

Pleasanton, CA 94566
phone 925-484-1919 fax 925-484-1096

720-3141

Chain of Custody Record

SEVERN TRENT STL

40427

Severn Trent Laboratories, Inc.

Client Contact	Project Manager: Gail Jones	Site Contact:	Date:	COC No:
ERAS Environmental, Inc.	Tel/Fax:	Lab Contact:	Carrier:	1 of 2 COCs
1533 B Street	Analysis Turnaround Time			Job No.
Hayward, CA, 94541	Calendar (C) or Work Days (W)			
(510) 247-9885 Phone	TAT if different from Below			SDG No.
(510) 886-5399 FAX	☐ 2 weeks			
Project Name: 05-001-09	☒ 1 week			
Site: 4919 Tidewater Avenue	☐ 2 days			
P O # 05-001-09	☐ 1 day			

	Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample	TPH-d	TPH-d STLC	Sample Specific Notes:
1	B-10	4/12/06	9:02	1Liter (6)	Water	2		X		Field Point ID (B-10)
2	B-11	4/12/06	10:00	1Liter (6)	Water	2		X		Field Point ID (B-11)
3	B-12	4/12/06	12:51	1Liter (6)	Water	1		X		Field Point ID (B-12)
4	B-13	4/12/06	11:34	1Liter (6)	Water	2		X		Field Point ID (B-13)
5	B-14	4/12/06	12:25	1Liter (6)	Water	2		X		Field Point ID (B-14)
6	B-15	4/12/06	14:40	1Liter (6)	Water	2		X		Field Point ID (B-15)
7	B-10, 4.5-5	4/12/06	8:55	Tube (6)	Soil	1		X		Field Point ID (B-10)
8	B-10, 9.5-10	4/12/06	8:50	Tube (6)	Soil	1		X		Field Point ID (B-10)
9	B-11, 4.5-5	4/12/06	9:50	Tube (6)	Soil	1		X		Field Point ID (B-11)
10	B-11, 8.5-8.75	4/12/06	9:55	Tube (6)	Soil	1			X	Field Point ID (B-11)
11	B-11, 8.75-9	4/12/06	9:55	Tube (6)	Soil	1		X		Field Point ID (B-11)
12	B-12, 2.5-2.75	4/12/06	10:21	Tube (6)	Soil	1			X	Field Point ID (B-12)

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other Unpreserved

Possible Hazard Identification
☐ *Non-Hazard* ☐ *Flammable* ☐ *Skin Irritant* ☐ *Poison B* ☐ *Unknown*

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For _____ Months*

Special Instructions/QC Requirements & Comments: GLOBAL ID: T0600100451 WE will also need a EDF and PDF.

Temp. 2°C

	Company:	Date/Time:		Company:	Date/Time:
Relinquished by:	ERAS	4-13-06	Received by:	STL-SF	4/13/06
Relinquished by:	STL-SF	4/13/06	Received by:	STL-SF	4/13/06 1855
Relinquished by:	STL-SF	4/13/06	Received by:		

STL San Francisco
1220 Quarry Lane

Pleasanton, CA 94566
phone 925-484-1919 fax 925-484-1096

720-3141

Chain of Custody Record

SEVERN TRENT STL
404427
Severn Trent Laboratories, Inc.

Client Contact	Project Manager: Gail Jones	Site Contact:	Date:	COC No:
ERAS Environmental, Inc.	Tel/Fax:	Lab Contact:	Carrier:	2 of 2 COCs
1533 B Street	Analysis Turnaround Time			Job No.
Hayward, CA, 94541	Calendar (C) or Work Days (W) _____			
(510) 247-9885 Phone	TAT if different from Below _____			SDG No.
(510) 886-5399 FAX	☐ 2 weeks			
Project Name: 05-001-09	☒ 1 week			
Site: 4919 Tidewater Avenue	☐ 2 days			
P O # 05-001-09	☐ 1 day			

	Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample	TPH-d	Waste Extraction Ttest	Sample Specific Notes:
13	B-12, 2.75-3	4/12/06	10:21	Tube (1)	Soil	1		X		Field Point ID (B-12)
14	B-12, 7.5-8	4/12/06	10:30	Tube (1)	Soil	1		X		Field Point ID (B-12)
15	B-13, 4-4.5	4/12/06	10:51	Tube (1)	Soil	1		X		Field Point ID (B-13)
16	B-14, 4-4.5	4/12/06	10:16	Tube (1)	Soil	1		X		Field Point ID (B-14)
17	B-14, 7.5-8	4/12/06	12:21	Tube (1)	Soil	1		X		Field Point ID (B-14)
18	B-15, 8-8.5	4/12/06	14:31	Tube (1)	Soil	1		X		Field Point ID (B-15)
19	OB-5, 11-11.5	4/7/06	11:20	Tube (1)	Soil	1		X		Field Point ID (OB-5)

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other Unpreserved

Possible Hazard Identification
☐ *Non-Hazard* ☐ *Flammable* ☐ *Skin Irritant* ☐ *Poison B* ☐ *Unknown*

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For _____ Months*

Special Instructions/QC Requirements & Comments: **GLOBAL ID: T0600100451 WE will also need a EDF and PDF.**

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
	ERAS	4-13-06		STL-SF	4/13/06 1035
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
	STL-SF	4/13/06		STL-SF	4/13/06 1855
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
	STL-SF	4/13/06			

LOGIN SAMPLE RECEIPT CHECK LIST

Client: ERAS Environmental, Inc. Job Number: 720-3141-2

Login Number: 3141

Question	T/F/NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	NA	
The cooler's custody seal, if present, is intact.	NA	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	False	REC'D only 1L, it is only 1/2 full
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	