

September 30, 2016

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Ms. Karel Detterman
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

I, Stephanie Kochan, hereby authorize ERAS Environmental, Inc. to submit the Limited Phase II Subsurface Investigation for 729 45th Avenue, Oakland, California, dated September 30, 2016 to the Alameda County Health Care Services Agency.

I declare, under penalty of perjury, that the information and/or recommendations contained in the attached document or report is true and correct to the best of my knowledge.

Signature: Stephanie Kochan

Printed Name: Stephanie Kochan

Ms. Stephanie Kochan
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LIMITED PHASE II SUBSURFACE INVESTIGATION

AT

**729 45th AVENUE
OAKLAND, CALIFORNIA**

**ERAS PROJECT NUMBER: 14-001-3
GLOBAL ID: T0000005808**

Prepared for

Ms. Stephanie Kochan
Equipment Fabricating Corporation
729 45th Avenue
Oakland, CA 94601

September 30, 2016

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CERTIFICATION

This **Limited Phase II Subsurface Investigation** at 729 45th Avenue in Oakland, California, has been prepared by ERAS Environmental, Inc. (ERAS) under the professional supervision of the Registered Professional 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.

Our firm has prepared this report for the Client's exclusive use for this particular project and in accordance with generally accepted professional practices within the area at the time of our investigation. No other representations, expressed or implied, and no warranty or guarantee is included or intended.

This report may be used only by the client and only for the purposes stated within a reasonable time from its issuance. Land use, site conditions (both on-site and off-site) or other factors may change over time, and additional work may be required with the passage of time. Any party other than the client who wishes to use this report shall notify ERAS of such intended use. Based on the intended use of report, ERAS may require that additional work be performed and that an updated report be issued. Non-compliance with any of these requirements by the client or anyone else will release ERAS from any liability resulting from the use of this report by any unauthorized party.

Sincerely,
ERAS Environmental, Inc.



Andrew Savage
Project Geologist



Curtis Payton
California Registered Professional Geologist 5608



September 30, 2016

1.0 INTRODUCTION

The following report presents the results of the collection of soil and groundwater samples at a commercial site located at 729 45th Avenue in Oakland, California (the "Property"). The Property is an open fuel leak case and a subsurface investigation previously conducted at the site has identified contamination originating from a gasoline underground storage tank (UST). The work conducted as part of this investigation was proposed by ERAS in a work plan dated June 26, 2014 which was approved by the Alameda County Health Care Services Agency (ACHCSA) in correspondence dated December 23, 2014.

1.1 BACKGROUND

The location of the Property is shown on **Figure 1**. The locations of the former USTs and AST on the Property are shown on **Figure 2**.

Phase 1 Investigation

A Phase 1 Environmental Site Assessment (ESA) was conducted by Tom Edwards & Associates (TEA) and the results were presented in a report dated August 27, 2013. TEA identified the following potential environmental issues at the Property.

- The former uses of the Property as an oil refining, storage and sales company from 1928-1964.
- Three aboveground storage tanks (ASTs) including a 20,000 gallon and two 15,000-gallon gasoline ASTs were present from at least 1928 to 1949 (ERAS has since identified that the ASTs were actually present to at least 1952) which were operated by Norwalk Oil Sales Company. The three ASTs were shown on a 1952 Sanborn Fire Insurance map to be mounted on two concrete pads that were each an estimated 35 feet long. The tanks and pads were located in the area that is now beneath the current rectangular manufacturing building located along the southwest side of the Property.
- The possible former use of hazardous materials on the Property by past occupants United Freight Ways and Arrow Steel Company
- The former use of three 500-gallon underground storage tanks (USTs) on the Property by Equipment Fabrication Company (the current tenant). The USTs were removed in approximately 1991. TEA indicated there were three USTs present in 1986, the two in use at that time were used to store gasoline and paint thinner.

The locations of the former ASTs and USTs are shown on **Figure 2**.

Former occupants of the Property were determined to have been the following:

- | | |
|-------|----------------------|
| -1912 | undeveloped |
| -1928 | Panama Refining Co. |
| -1929 | Mileage Gasoline Co. |

| | |
|------------------|---|
| -1946-1949 | Golden Gate Oil Co. |
| -1951-1952 | Norwalk Oil Sales Co. |
| -1964 | McClaren Oil Co. |
| -1967 | United Freight Ways |
| -1969-1972 | Arrow Steel Co. (Sign Company). Building constructed in 1969. |
| -1972 to present | Equipment Fabrication |

Soil and Groundwater Investigation

TEA performed a Phase 2 soil and groundwater investigation at the Property in October of 2013. Six soil borings were drilled in the yard area and along the southeast edge of the Property. The locations of the borings are shown on **Figure 2**. Soil samples were collected for laboratory analysis from all six borings. Groundwater was only sampled from two of the borings. The results of this investigation are discussed in **Section 4.2**.

Results of the laboratory analyses are tabulated on **Tables 1 through 7**.

File Review Information

On January 28, 2014 ERAS reviewed file information at the City of Oakland Fire Department. The only hazardous materials permit information was issued to the current tenant Equipment Fabricating Corporation dated in 2001. Inspections for the facility for hazardous materials were dated in 1999 and 2003. There were no records that were old enough to have listed or documented the proper permitting or removal of the former USTs.

An ACHCSA hazardous waste inspection report dated June 20, 1986 indicated the presence of three USTs, two of which were in use for gasoline and one for paint thinner dispensing. A certified letter dated September 25, 1989 requested that the USTs be removed or permits be applied for to operate the USTs. A receipt for \$855 dated July 31, 1991 appeared to be for payment for oversight for the UST removal/closure.

It appears that the USTs were operated by the current owner of the Property from approximately 1972 until they were removed in 1991.

Note that naphthalene was detected in groundwater samples located down-gradient of the former UST which may indicate a leak of a non-petroleum fuel. It is considered likely that the large ASTs operated by Norwalk Oil Sales Company were used to store oils but may have also been used to store diesel fuel.

Historical information indicates that certain metals and other constituents of explosives may have been scattered on the Property and nearby area by the 1898 explosive demolition of the Western Fuse and Explosive Company and 40 nearby buildings.

Circumstantial evidence indicates the underground tanks were removed in 1991 with the knowledge of and with permits from the Alameda County Health Care Services Agency. All available sources of historical information including the City of Oakland Fire Department and ACHCSA files were searched and no UST removal report or other additional information could be found.

2.0 REGIONAL GEOLOGY/HYDROLOGY

The Property is in the southern part of the City of Oakland in the San Francisco Bay area. The San Francisco Bay area occupies a broad alluvial valley that slopes gently northward toward Oakland 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. Surface topography in the immediate vicinity of the Property is gently sloping down to the south west towards tidally influenced Brooklyn Basin Tidal Canal.

The Property is at an elevation of approximately 15 feet above Mean Sea Level according to the United States Geological Survey (USGS) Oakland East Quadrangle California 7.5 Minute Series topographic map.

Materials underlying the site are unconsolidated deposits of near shore and beach sediments, deposited in Oakland Bay at higher sea level stands. At shallow depths beneath these sediments are chert, greywacke, serpentine and shale bedrock that are a part of the Cretaceous to Jurassic-aged Franciscan Formation. Bedrock is exposed to the west and north on the upland surfaces.

The subject site is located on the San Francisco Bay Plain in the northernmost part of the Santa Clara Valley Groundwater Basin, (DWR, 1967), the surface of which slopes gently down toward the Brooklyn Basin Tidal Canal.

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 toward the southwest toward the Brooklyn Basin Tidal Canal. Groundwater monitoring at nearby leak sites (720 High Street, approximately 200 feet west-northwest and 833 47th Avenue, approximately 700 feet east), indicated that the flow direction has been determined to be to the southwest.

3.0 WORK PERFORMED

3.1 SCOPE OF INVESTIGATION

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

- Obtained a permit for drilling from the Alameda County Public Works Department (ACPWD).
- Cleared the boring location for the presence of utilities by notifying Underground Service Alert and employed a private underground locating/clearance service.
- Advanced three borings using a direct push sample rig in the vicinity of the former AST's (B-3, B-4, and B-5). Advanced one boring in the vicinity of the oil warehouse (B-6). Advance two borings (B-1, and B-2) in the vicinity of the former gas/paint thinner USTs. Six borings in total. These borings were continuously logged.
- Collected soil samples from the borings for laboratory analysis from depths of 0-5 feet and 5-10 feet.
- Groundwater samples were collected from each boring.
- Analyzed the soil and groundwater samples from the vicinity of the former USTs for TPH-gro and TPH-dro by EPA Method 8015C, MTBE and oxygenates by EPA Method 8260, VOCs by EPA 8260, semi-volatile organic compounds (SVOCs) by EPA Method 8270, and total lead by EPA Method E200.8.
- Analyzed the soil and groundwater samples collected from the vicinity of the oil warehouse and ASTs for TPH-gro, TPH-dro, and total petroleum hydrocarbons quantified as oil (TPH-oro) by EPA Method 8015C, MTBE and oxygenates by EPA Method 8260, VOCs by EPA 8260, polychlorinated biphenyls (PCBs) by EPA Method 8082, SVOCs by EPA Method 8270, and CAM 17 metals.
- Conducted a well survey for all active, inactive, standby, decommissioned (sealed with concrete), unrecorded, and abandoned (improperly decommissioned or lost) wells including monitoring, remediation, irrigation, water supply, industrial, livestock, dewatering, and cathodic protection wells within a ¼-mile wells using data from both the ACPWD and the California Department of Water Resources (DWR).

3.2 BORING LOCATIONS AND SAMPLING

The locations of the borings are shown on **Figure 2**. The Standard Operating Procedures for direct-push sampling are included in **Appendix B**.

Three borings were advanced using a direct push sample rig inside the current manufacturing building in the vicinity of the former AST's (borings B-3, B-4, and B-5). One boring was advanced near the down-gradient corner of the former oil warehouse (boring B-6). Two borings were

advanced adjacent to the down-gradient side of the gas/paint thinner USTs (boring B-1 and B-2). These borings were continuously logged.

Refusal was encountered in borings B-3 and B-4 due to large pieces of concrete and brick rubble along with what may be a concrete footing for the former ASTs. Numerous attempts were made to advance these borings in the areas surrounding the previously proposed borings. This rubble may be associated with the historic 1898 explosive demolition of the Western Fuse and Explosive Company and 40 nearby buildings.

Soil samples from the borings were collected for laboratory analysis from depths of 0-5 feet and 5-10 feet with the exception of the borings which encountered refusal and borings B-1 and B-2 which encountered groundwater at 5 feet bgs. In borings B-1 and B-2 only the 5-foot soil sample was submitted for analysis.

Groundwater samples were collected from each boring. The groundwater samples were kept refrigerated pending transport under chain-of-custody procedures to a California certified environmental analytical laboratory.

The soil and groundwater samples collected from the vicinity of the former USTs were analyzed for TPH-gro and TPH-dro by EPA Method 8015C, MTBE and oxygenates by EPA Method 8260, VOCs by EPA 8260, SVOCs by EPA Method 8270, and total lead by EPA Method E200.8.

The soil and groundwater samples collected from the vicinity of the oil warehouse and ASTs were analyzed for TPH-gro, TPH-dro, and TPH-oro by EPA Method 8015C, MTBE and oxygenates by EPA Method 8260, VOCs by EPA 8260, PCBs by EPA Method 8082, SVOCs by EPA Method 8270, and CAM 17 metals.

The subsurface vadose zone lithology encountered consisted of silty clay. The groundwater bearing zone observed during drilling activities did not appear to be continuous. The encountered conditions are discussed below for each boring.

The groundwater bearing zone in borings B-1 and B-2 consisted of silt and small stingers in the silty clay. Abundant rotting organics were observed in borings B-1 and B-2 typical of an old tidal slew. Borings B-1 and B-2 were advanced to 12 feet bgs.

Boring B-3 and B-4 encountered refusal.

Boring B-5 was advanced to a depth of 18 feet bgs. The groundwater bearing zone was encountered at a depth of 14 feet bgs and consisted of a gravelly sand.

Boring B-6 was advanced to a depth of 26 feet bgs and no groundwater bearing zone was identified. Silty clay extended to the base of the boring.

Signs of contamination such as odor and elevated OVM readings were observed during the drilling of borings B-1, B-2, and B5. No odor, discoloration, or elevated OVM readings were observed in boring B-6.

3.3 ANALYTICAL RESULTS

3.3.1 Results in Soil

The laboratory report and chain of custody form are included as **Appendix D**. The results of the analyses are included on **Tables 1** through **3**.

No concentrations of TPH-gro, TPH-dro, or TPH-oro were detected above their respective ESLs in the soil samples collected as part of this investigation. The concentrations of hydrocarbons detected are compiled on **Table 1**.

VOCs detected above their respective ESLs included the following.

- 1,2-dibromo-3-chloropropane, 0.030 mg/Kg (ESL 0.0045 mg/Kg)
- ethylbenzene, 3.0 mg/Kg (ESL 1.4 mg/Kg)
- naphthalene, 0.15 mg/Kg (ESL 0.033 mg/Kg)
- xylenes, 6.5 mg/Kg (ESL 2.3 mg/Kg)

All concentrations detected which exceeded the ESL were collected from a depth of 4 feet bgs in boring B-2. All other samples collected contained concentrations below their respective ESLs. The concentrations of VOCs detected are compiled on **Table 2**. All VOCs not listed on the table were either below the method detection limit (MDL) or the ESL.

Metals detected above their respective ESLs included arsenic and nickel in borings B-5 and B-6. No concentrations of lead were detected above the ESL in borings B-1 and B-2.

Arsenic was detected above the ESL of 0.067 mg/Kg in all samples collected from borings B-5 and B-6 and ranged from 2.7 to 6.6 mg/Kg.

Concentrations of nickel were detected in the deeper sample (9.5-10') from boring B-5 and both the shallower and deeper depth from boring B-6. Nickel was detected at concentrations ranging from 63 to 150 mg/Kg where the ESL is 86 mg/Kg.

The concentrations of metals detected are compiled on **Table 3**. All metals not listed on the table were either below the MDL or the ESL.

No concentrations of PCBs or SVOCs were detected in the soil samples collected above the MDLs.

3.3.2 Results in Groundwater

The laboratory report and chain of custody form are included as **Appendix D**. The results of the analyses are included on **Tables 4** through **7**.

TPH-gro was detected at concentrations ranging from 2,800 to 22,000 µg/L in borings B-1 and B-2 which exceed the ESL of 100 µg/L.

TPH-dro was detected at concentrations ranging from 3,800 µg/L to 18,000 µg/L which exceeded the ESL of 100 µg/L.

TPH-oro was detected at concentrations of 3,600 to 6,600 µg/L which exceeded the ESL of 100 mg/Kg. The concentrations of hydrocarbons detected are compiled on **Table 4**.

VOCs detected above their respective ESLs in Borings B-1 and B-2 included the following.

- benzene, 5.7 µg/L (ESL 1.0 µg/L)
- bromomethane, 47 µg/L (ESL 7.5 µg/L)
- tert butyl alcohol (TBA), 33 µg/L (ESL 12 µg/L)
- ethylbenzene, 85 and 1,900 µg/L (ESL 13 µg/L)
- hexachloroethane, 28 µg/L (ESL 0.33 µg/L)
- naphthalene, 6.0 and 82 µg/L (ESL 0.17 µg/L)
- styrene, 0.59 µg/L and 14 µg/L (ESL 10 µg/L)
- 1,1,2-trichloroethane (1,1,2-TCA), 30 µg/L (ESL 5 µg/L)
- xylenes, 73 and 3,400 µg/L (ESL 20 µg/L)

The concentrations of VOCs detected are compiled on **Table 5**. All VOCs not listed on the table were either below the MDL or the ESL.

SVOCs detected above their respective ESLs in Borings B-1 and B-2 included the following.

- bis(2-chloroisopropyl) ether, 3.1 µg/L (ESL 0.36 µg/L)
- 2-methylnaphthalene, 5.2 to 7.7 µg/L (ESL 2.1 µg/L)
- naphthalene, 4.9 to 58 µg/L (ESL 0.17 µg/L)

The concentrations of SVOCs detected are compiled on **Table 6**. All SVOCs not listed on the table were either below the MDL or the ESL.

No concentrations of lead were detected above the ESL in borings B-1 and B-2. Metals detected above their respective ESLs in Boring B-5 included the following.

- arsenic, 13 µg/L (ESL 010 µg/L)
- cobalt, 3.0 µg/L (ESL 3.0 µg/L)
- nickel, 10 µg/L (ESL 10 µg/L)

The concentrations of metals detected are compiled on **Table 7**. All metals not listed on the table were either below the MDL or the ESL.

No concentrations of PCBs were detected in the groundwater above the MDLs.

4.0 UPDATED SITE CONCEPTUAL MODEL

A Site Conceptual Model Table and Data Gap Summary are included in **Tables 8 and 9**, respectively.

4.1 HYDROGEOLOGIC SETTING

Shallow groundwater is variable at the Property and is found at depths of approximately 5-16 feet bgs but is not present in some locations. No groundwater monitoring has been conducted on the Property but based on nearby leak cases with active groundwater monitoring the groundwater in the vicinity has been determined to flow toward the southwest at a gradient of about 0.015 foot/foot. The groundwater bearing zone does not appear to be continuous.

The shallow water-bearing zone is found in silty/sandy units (clayey silt, sandy silty gravel, clayey silt with gravel, gravelly sand, and sandy gravel) interbedded with clay. Groundwater is generally under water-table conditions, but may be locally confined by clay in the upper portion of the water-bearing zone.

The base of the shallow water bearing zone has not been determined.

4.2 EXTENT OF CONTAMINATION

4.2.1 Results in Soil

Concentrations of petroleum hydrocarbons above their respective ESLs were detected in soil sampled from boring EFC04 at 5 feet and EFC05 at 1.75 feet. These borings were drilled in low areas in asphalt at the edge of the 45th Avenue roadway and it is possible these hydrocarbons are the result of surface runoff from the outside storage yard or the next door topographically higher lumber storage yard.

Concentrations of VOCs were detected above their respective ESLs in borings EFC03 at 3 feet, EFC05 at 1.75 feet, EFC05 at 10 feet, and B-2 at 4 feet. VOCs detected included benzene, 1,2-dibromo-3-chloropropane, ethylbenzene, naphthalene, and xylenes. These three borings were located adjacent to the former USTs on the Property and in a low spot adjacent to the edge of the Property. These concentrations may be related to a release from the former USTs, runoff from the outside storage yard, or the next door topographically higher, up-gradient lumber storage yard.

Concentration of arsenic, nickel, and lead were detected in the soil samples collected from the Property above their respective ESLs. Arsenic was detected above the ESL in all samples collected since concentrations of arsenic in the San Francisco Bay Area are naturally elevated and these concentrations are considered to be within background the background range for Oakland of 4 to 17 mg/Kg. It is possible that the presence of other metals detected may be the result of surface runoff from metals released into the air by the galvanizing plant directly across the street from the Property or are a remnant of the 1898 explosion.

No concentrations of PCBs or SVOCs were detected in the soil samples collected above the MDLs.

4.2.2 Results in Groundwater

Concentrations of petroleum hydrocarbons were detected in the groundwater samples from borings EFC04, EFC05, B-1, B-2, and B-5, located down-gradient from the former USTs. Boring B-5 was located 160 feet the west of the former USTs in a cross-gradient direction. These concentrations may be related to a release from the former USTs and/or the former oil warehouse and/or the adjacent up-gradient leak site, Southern Pacific Transportation Company at 744 High Street.

The original samples collected by TEA (EFC04 and EFC05) do not appear to have had the laboratory run silica gel cleanup on the samples prior to analysis to remove biogenic hydrocarbon interferences. The samples collected by TEA contained concentrations up to 105,000 µg/L of TPH-dro. Samples collected in the vicinity by ERAS when analyzed with silica gel cleanup contained a concentration of 15,000 µg/L. Note that during drilling activities, substantial amounts of degrading organics were observed in the borings.

The concentrations of petroleum hydrocarbons in the groundwater beneath the Property in the vicinity of the former USTs and cross gradient on the other end of the Property contained concentrations within the same order of magnitude suggesting a regional plume possibly originating from the northeast.

Concentrations of VOCs detected above their respective ESLs were found to be present and included benzene up to 5.7 µg/L, bromomethane up to 47 µg/L, TBA up to 33 µg/L, ethylbenzene up to 2,400 µg/L, hexachloroethane up to 28 µg/L, naphthalene up to 878 µg/L, styrene up to 14 µg/L, 1,1,2-trichloroethane up to 30 µg/L, and xylenes up to 3,400 µg/L.

All detected VOCs above the ESLs were in borings EF04, EP05, B-1, and B-2 located down-gradient of the former USTs. No concentrations above their respective ESLs were detected in boring B-5. These contaminants appear to be related to a release from the former USTs on the Property but may also be related to the up-gradient site located at 744 High Street. Some of the contaminants found are not typical for a release from the known uses of the former USTs which were for storing gasoline and paint thinner.

SVOCs detected in the borings above their respective ESLs included bis(2-chloroisopropyl) ether, 2-methylnaphthalene, and naphthalene. Bis(2-chloroisopropyl) ether was detected at a concentrations of 3.1 µg/L in boring B-1, 2-methylnaphthalene was detected at concentrations of 5.2 and 7.7 µg/L in borings B-1, and B-2 respectively, and naphthalene was detected at concentrations of 4.9 and 58 µg/L in borings B-1 and B-2 respectively. No concentrations of SVOCs were detected above their ESLs in boring B-5. These contaminants appear to be related to a release from the former USTs on the Property but may also be related to the up-gradient site located at 744 High Street.

Metals detected in the borings above their respective ESLs included arsenic, cobalt, nickel, lead, and zinc. All elevated metals were detected in borings EFC04, EFC05, and B-5. The concentrations in EFC04 and EFC05 appear to be the result of the previous consultant placing sediment laden groundwater into nitric acid preserved sample containers without field filtering. When field filtering was properly conducted arsenic was detected at a concentration of 13 µg/L, cobalt at 3.0 µg/L, and nickel at 10 µg/L. The concentrations of lead and zinc were found to be below their respective ESLs when properly field filtered. No concentrations of lead were detected in the vicinity of the former

USTs. The concentrations of metals detected in the groundwater may be from an unknown on site source and/or the former oil warehouse and/or the up-gradient site located at 744 High Street which has documented metals in the groundwater.

No concentrations of PCBs were detected in the groundwater samples collected.

4.3 WELL SURVEY

ERAS requested all well data for a $\frac{1}{4}$ mile radius from the Alameda County Public Works Department and the California Department of Water Resources. Three sites were identified which contained a well for commercial or residential water supply. These sites were 499 High Street, 500 High Street, and 1100 29th Avenue in Oakland. These sites were located 1,000 feet or more from the Property in an area with low topography. Contamination in this setting is unlikely to migrate a great distance from the source area. Based on the distance contamination associated with the Property is unlikely to impact these wells.

A table of identified wells within the $\frac{1}{4}$ mile radius and a map displaying the location of 499 High Street, 500 High Street, and 1100 29th Avenue in relation to the Property is included in **Appendix E**.

4.4 RECOMMENDATIONS

An updated Site Conceptual Model is presented in **Table 8**. Based on the findings of this investigation, some of the data gaps have been completed as summarized in **Table 9**. Additional borings are recommended to complete the data gap analyses.

5.0 REFERENCES

California Department of Water Resources, Evaluation of Ground Water Resources South Bay, Appendix A: Geology, Bulletin 118-1, August 1967.

California Regional Water Quality Control Board, Water Quality Control Plan, San Francisco Bay Basin Region (2), December 1986.

ERAS Environmental Inc., Work Plan For Limited Phase II Subsurface Investigation, 729 45th Avenue, Oakland, California, June 26, 2014.

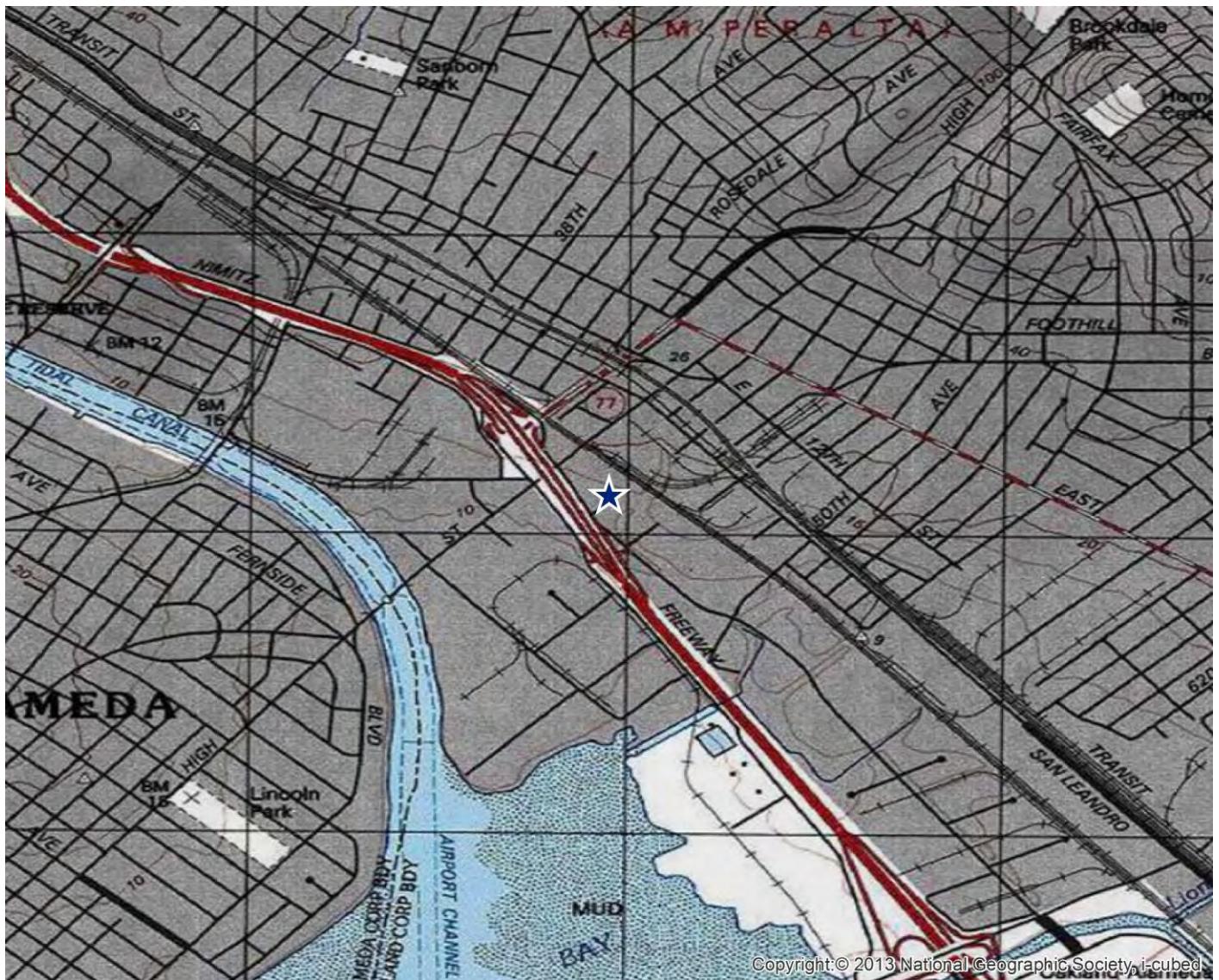
Goldman, Harold B., Geology of San Francisco Bay prepared for San Francisco Bay Conservation and Development Commission, February 1967.

Holley, E.J., La Joie, K.R., Spangle, W.E., and Blair, M.L., Flatland Deposits of the San Francisco Bay Region, California - their geology and engineering properties and their importance to comprehensive planning, U.S. Geological Survey Professional Paper 943, 1974.

Tom Edwards & Associates LLC, Limited Phase II Investigation, 729 45th Avenue, Oakland, California, November 13, 2013.

Tom Edwards & Associates LLC, Phase I Environmental Site Assessment, 729 45th Avenue, Oakland, California, August 27, 2013.

FIGURES



SITE LOCATION TOPOGRAPHIC MAP

U.S. Geological Survey. Oakland East Quadrangle, 7.5 Minute Series



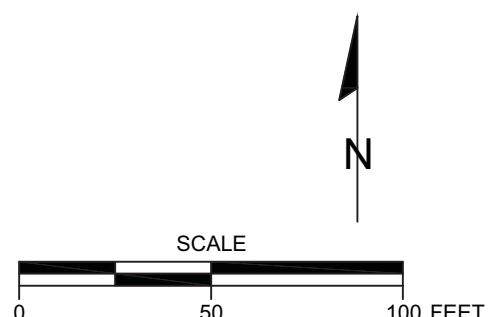
729 45Th Ave,
Oakland, CA

FIGURE: 1



LEGEND

- BOREHOLES BY TEA
- [Dashed Box] BUILDINGS (FORMER) - APPROXIMATE BASED ON OLD FIRE INSURANCE MAP AND AERIAL PHOTOGRAPHS
- BORING LOCATIONS



Project Number: 14-001-02
 Project Address: 729 45th Avenue, Oakland, CA

Figure 2
 Boring Location
 Map

TABLES

TABLE 1. ANALYTICAL RESULTS - SOIL - HYDROCARBONS**729 45th Avenue, Oakland**

| Sample ID | Date | TPH-gro | TPH-dro | TPH-dro* | TPH-oro | TPH-oro* |
|---------------|-----------|------------|---------|--------------|---------|--------------|
| | | (mg/Kg) | | | | |
| EFC02-1' | 4-Oct-13 | <1.0 | NA | <10 | NA | <50 |
| EFC03-3' | 4-Oct-13 | 2.2 | NA | 110 | NA | 75 |
| EFC03-8' | 4-Oct-13 | <1.0 | NA | <10 | NA | <50 |
| EFC04-1.5' | 4-Oct-13 | <1.0 | NA | <10 | NA | 150 |
| EFC04-5' | 4-Oct-13 | 4.3 | NA | 1,500 | NA | 2,700 |
| EFC05-1.75' | 4-Oct-13 | 156 | NA | <10 | NA | 165 |
| EFC05-10' | 4-Oct-13 | <1.0 | NA | <10 | NA | <50 |
| B-1, 3.5'-4' | 30-Aug-16 | 0.75 J | 46 | NA | 490 | NA |
| B-2, 3.5'-4' | 30-Aug-16 | 70 J | 4.3 | NA | 22 | NA |
| B-5, 3.5'-4' | 30-Aug-16 | NA | 0.85 J | NA | <2.1 | NA |
| B-5, 9.5'-10' | 30-Aug-16 | NA | 0.77 | NA | 4.4 | NA |
| B-6, 4.5'-5' | 30-Aug-16 | NA | <0.74 | NA | 2.9 J | NA |
| B-6, 7.5'-8' | 30-Aug-16 | NA | <0.74 | NA | 4.9 J | NA |
| ESL | | 100 | 230 | 230 | 5,100 | 5,100 |

Notes

NA = Not Analyzed

(mg/Kg) = Milligrams per Kilogram

TPH-gro = Total petroleum hydrocarbons quantified as gasoline range organics

TPH-dro = Total petroleum hydrocarbons quantified as diesel range organics

TPH-oro = Total petroleum hydrocarbons quantified as oil range organics

TPH-dro* = Total petroleum hydrocarbons quantified as diesel range organics run without silica gel cleanup

TPH-oro* = Total petroleum hydrocarbons quantified as oil range organics run without silica gel cleanup

ESL = environmental screening limits set forth by the RWOCQ for soil on a commercial Property where
groundwater is considered a potential source of drinking water

Bold Type Indicates Reported Value Above the ESL.

J indicates an estimated value between the reporting limit and the method detection limit

TABLE 2. ANALYTICAL RESULTS - SOIL - VOC

729 45th Avenue, Oakland

| Sample ID | Date | Benzene | 1,2-Dibromo-3-chloropropane | Ethylbenzene | Naphthalene | Xylenes |
|-------------|-----------|------------|-----------------------------|--------------|-------------|------------|
| | | (mg/Kg) | | | | |
| EFC02-1' | 4-Oct-13 | <0.001 | <0.005 | <0.001 | <0.005 | <0.002 |
| EFC03-3' | 4-Oct-13 | 0.002 | <0.005 | 0.04 | 0.13 | 0.004 |
| EFC03-8' | 4-Oct-13 | <0.001 | <0.005 | <0.001 | <0.005 | <0.002 |
| EFC04-1.5' | 4-Oct-13 | <0.001 | <0.005 | <0.001 | <0.005 | <0.002 |
| EFC04-5' | 4-Oct-13 | <0.001 | <0.005 | <0.001 | <0.005 | <0.002 |
| EFC05-1.75' | 4-Oct-13 | 1.6 | <0.005 | 0.26 | 0.51 | 1.1 |
| EFC05-10' | 4-Oct-13 | <0.001 | <0.005 | 3.8 | 0.35 | 5.2 |
| B-1, 4' | 30-Aug-16 | <0.0025 | <0.0019 | 0.024 | <0.00095 | 0.089 |
| B-2, 4' | 30-Aug-16 | <0.027 | 0.030 | 3.0 | 0.15 | 6.5 |
| B-5, 4' | 30-Aug-16 | <0.0026 | <0.0019 | <0.0032 | <0.00097 | <0.0041 |
| B-5, 10' | 30-Aug-16 | <0.0025 | <0.0019 | <0.0032 | <0.00095 | <0.0039 |
| B-6, 5' | 30-Aug-16 | <0.0024 | <0.0018 | <0.0030 | <0.00091 | <0.0038 |
| B-6, 8' | 30-Aug-16 | <0.0025 | <0.0019 | <0.0031 | <0.00093 | <0.0039 |
| ESL | | 0.044 | 0.0045 | 1.4 | 0.033 | 2.3 |

Notes

NA = Not Analyzed

(mg/Kg) = Milligrams per Kilogram

ESL = environmental screening limits set forth by the RWQCC for soil on a commercial Property where
groundwater is considered a potential source of drinking water

Bold Type Indicates Reported Value Above the ESL.

J indicates an estimated value between the reporting limit and the method detection limit

TABLE 3. ANALYTICAL RESULTS - SOIL - METALS**729 45th Avenue, Oakland**

| Sample ID | Date | Arsenic | Cobalt | Nickel | Lead | Zinc |
|---------------|-----------|------------|--------|------------|------------|-------|
| | | (mg/Kg) | | | | |
| EFC02-1' | 4-Oct-13 | 2.6 | 6.3 | 41.2 | 6.8 | 46.7 |
| EFC03-3' | 4-Oct-13 | 2.5 | 6.4 | 18.8 | 25.9 | 20.4 |
| EFC03-8' | 4-Oct-13 | 1.6 | 4 | 16.9 | 4.3 | 10.2 |
| EFC04-1.5' | 4-Oct-13 | 4.5 | 7.3 | 35.8 | 116 | 828 |
| EFC04-5' | 4-Oct-13 | 2.8 | 3.9 | 20.7 | 5.5 | 34.5 |
| EFC05-1.75' | 4-Oct-13 | 1.5 | 3.5 | 20 | 210 | 237 |
| EFC05-10' | 4-Oct-13 | 8.4 | 9 | 60.6 | 848 | 1,160 |
| B-1, 3.5'-4' | 30-Aug-16 | NA | NA | NA | 48 | NA |
| B-2, 3.5'-4' | 30-Aug-16 | NA | NA | NA | 45 | NA |
| B-5, 3.5'-4' | 30-Aug-16 | 2.7 | 9.6 | 63 | 5.8 | 31 |
| B-5, 9.5'-10' | 30-Aug-16 | 3.5 | 15 | 130 | 6.5 | 48 |
| B-6, 4.5'-5' | 30-Aug-16 | 6.7 | 9.0 | 150 | 7.9 | 54 |
| B-6, 7.5'-8' | 30-Aug-16 | 6.6 | 20 | 150 | 8.9 | 53 |
| ESL | | 0.067 | 23 | 86 | 80 | 2,300 |

Notes

NA = Not Analyzed

(mg/Kg) = Milligrams per Kilogram

ESL = environmental screening limits set forth by the RWQCQ for soil on a commercial Property
where groundwater is considered a potential source of drinking water

Bold Type Indicates Reported Value Above the ESL.

J indicates an estimated value between the reporting limit and the method detection limit

TABLE 4. ANALYTICAL RESULTS - GROUNDWATER - HYDROCARBONS**739 45th Avenue, Oakland**

| Sample ID | Date | TPH-gro | TPH-dro | TPH-dro* | TPH-oro | TPH-oro* |
|-----------|-----------|----------------|---------------|----------------|--------------|----------|
| | | (µg/L) | | | | |
| EFC04 | 4-Oct-13 | 137,000 | NA | <500 | NA | <2 |
| EFC05 | 4-Oct-13 | 4,400 | NA | 105,000 | NA | <2 |
| B-1 | 30-Aug-16 | 2,800 | 18,000 | NA | 3,600 | NA |
| B-2 | 30-Aug-16 | 22,000 | 3,800 | NA | 6,600 | NA |
| B-5 | 30-Aug-16 | NA | 9,000 | NA | 4,500 | NA |
| ESL | | 100 | 100 | 100 | 100 | 100 |

Notes

NA = Not Analyzed

(µg/L) = Micrograms per liter

TPH-gro = Total petroleum hydrocarbons quantified as gasoline range organics

TPH-dro = Total petroleum hydrocarbons quantified as diesel range organics

TPH-oro = Total petroleum hydrocarbons quantified as oil range organics

TPH-dro* = Total petroleum hydrocarbons quantified as diesel range organics run without silica gel cleanup

TPH-oro* = Total petroleum hydrocarbons quantified as oil range organics run without silica gel cleanup

ESL = environmental screening limits set forth by the RWQCQ for drinking water

Bold Type Indicates Reported Value Above the ESL.

J indicates an estimated value between the reporting limit and the method detection limit

TABLE 5. ANALYTICAL RESULTS - GROUNDWATER - VOC**729 45th Avenue, Oakland**

| Sample ID | Date | Benzene | Bromomethane | TBA | Ethylbenzene | Hexachloroethane | Naphth | Styrene | 1,1,2-TCA | Xylenes | |
|-----------|-----------|------------|--------------|-----------|--------------|------------------|------------|-----------|-----------|--------------|--|
| | | (µg/L) | | | | | | | | | |
| EFC04 | 4-Oct-13 | <0.5 | <0.5 | NA | 2100 | NA | 878 | <0.5 | <0.5 | 2240 | |
| EFC05 | 4-Oct-13 | <0.5 | <0.5 | NA | 2400 | NA | 64 | <0.5 | <0.5 | 2910 | |
| B-1 | 30-Aug-16 | 5.7 | 2.1 | 33 | 85 | <0.300 | 6.0 | 0.59 | 1.2 | 73 | |
| B-2 | 30-Aug-16 | <5.01 | 47 J | <0.94 | 1,900 | 28 | 82 | 14 | 30 | 3,400 | |
| B-5 | 30-Aug-16 | 0.10 J | 0.42 J | <0.940 | 0.44 J | 0.082 J | <0.160 | <0.0600 | <0.0800 | <0.250 | |
| ESL | | 1.0 | 7.5 | 12 | 13 | 0.33 | 0.17 | 10 | 5 | 20 | |

Notes

NA = Not Analyzed

(µg/L) = Micrograms per liter

TBA = Tert butyl alcohol

Naphth = Naphthalene

1,1,2-TCA = 1,1,2-trichloroethane

ESL = environmental screening limits set forth by the RWQCQ for drinking water

Bold Type Indicates Reported Value Above the ESL.

J indicates an estimated value between the reporting limit and the method detection limit

TABLE 6. ANALYTICAL RESULTS - SVOC**729 45th Avenue, Oakland**

| Sample ID | Date | Bis (2-chloroisopropyl) Ether | 2-Methylnaphthalene | Naphthalene |
|-----------|-----------|-------------------------------|---------------------|-------------|
| | | (µg/L) | | |
| EFC04 | 4-Oct-13 | NA | NA | NA |
| EFC05 | 4-Oct-13 | NA | NA | NA |
| B-1 | 30-Aug-16 | 3.1 | 5.2 | 4.9 |
| B-2 | 30-Aug-16 | <0.28 | 7.7 | 58 |
| B-5 | 30-Aug-16 | <1.5 | <1.6 | <1.3 |
| ESL | | 0.36 | 2.1 | 0.17 |

Notes

NA = Not Analyzed

ND = Below laboratory detection limits

(µg/L) = Micrograms per liter

ESL = environmental screening limits set forth by the RWQCQ for drinking water

Bold Type Indicates Reported Value Above the ESL.

J indicates an estimated value between the reporting limit and the method detection limit

TABLE 7. ANALYTICAL RESULTS - GROUNDWATER - METALS**729 45th Avenue, Oakland**

| Sample ID | Date | Arsenic | Cobalt | Nickel | Lead | Zinc |
|-----------|-----------|-----------|------------|-------------|------------|------------|
| | | (µg/L) | | | | |
| EFC04 | 4-Oct-13 | 40 | 150 | 1300 | 200 | 870 |
| EFC05 | 4-Oct-13 | <20 | 25 | 130 | 110 | 260 |
| B-1 | 30-Aug-16 | NA | NA | NA | 0.30 | NA |
| B-2 | 30-Aug-16 | NA | NA | NA | 1.1 | NA |
| B-5 | 30-Aug-16 | 13 | 3.0 | 10 | 0.12 | <5.0 |
| ESL | | 10 | 3.0 | 8.2 | 2.5 | 81 |

Notes

NA = Not Analyzed

ND = Below laboratory detection limits

(µg/L) = Micrograms per liter

ESL = environmental screening limits set forth by the RWQCQ for drinking water

Bold Type Indicates Reported Value Above the ESL.

J indicates an estimated value between the reporting limit and the method detection limit

TABLE 8 - Site Conceptual Model

| CSM Element | CSM Sub-Element | Description | Data Gap Item # | Resolution |
|--------------------------|-----------------|---|-----------------|------------|
| Geology and Hydrogeology | Regional | <p>The Property is in the southern part of the City of Oakland in the San Francisco Bay area. The San Francisco Bay area occupies a broad alluvial valley that slopes gently northward toward Oakland 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 northern part of the valley is called the Santa Clara Valley. Surface topography in the immediate vicinity of the Property is gently sloping down to the south west towards tidally influenced Brooklyn Basin Tidal Canal.</p> <p>The Property is at an elevation of approximately 15 feet above Mean Sea Level according to the USGS Oakland East Quadrangle California 7.5 Minute Series topographic map.</p> <p>Materials underlying the site are unconsolidated deposits of near shore and beach sediments, deposited in Oakland Bay at higher sea level stands. At shallow depths beneath these sediments are chert, greywacke, serpentine and shale bedrock that are a part of the Cretaceous to Jurassic-aged Franciscan Formation. Bedrock is exposed to the west and north on the upland surfaces.</p> <p>The subject site is located on the San Francisco Bay Plain in the northernmost part of the Santa Clara Valley Groundwater Basin, (DWR, 1967), the surface of which slopes gently down toward the Brooklyn Basin Tidal Canal.</p> <p>The regional groundwater flow follows the topography, moving from areas of higher elevation to areas of lower elevation.</p> | None | NA |

TABLE 8 - Site Conceptual Model (Continued)

| CSM Element | CSM Sub-Element | Description | Data Gap Item # | Resolution |
|--------------------------|------------------------|---|--|-------------------|
| Geology and Hydrogeology | Site | <p>The regional groundwater flow direction in the area of the Property is estimated to be toward the southwest toward the Brooklyn Basin Tidal Canal. Groundwater monitoring at nearby leak sites (720 High Street, approximately 200 feet west-northwest and 833 47th Avenue, approximately 700 feet east), has reported the groundwater flow direction to be to the southwest.</p> <p>Shallow groundwater beneath the Property has been determined to be roughly 14-16 feet bgs based on lithologic logging conducted by TEA. No groundwater monitoring has been conducted on the Property but based on nearby leak cases with active groundwater monitoring the groundwater has been determined to flow toward the southwest at a gradient of about 0.015 feet/foot.</p> <p>The subsurface vadose zone lithology encountered by ERAS consisted of silty clay. The groundwater bearing zone observed during drilling activities did not appear to be continuous. The encountered conditions are discussed below for each boring.</p> <p>The groundwater bearing zone in borings B-1 and B-2 consisted of silt and small stingers in the silty clay. Abundant rotting organics were observed in borings B-1 and B-2 typical of an old tidal slew. Borings B-1 and B-2 were advanced to 12 feet bgs.</p> <p>The base of the shallow water bearing zone has not been determined</p> | 1. There are no monitoring wells on Property to establish site specific groundwater depth, flow direction, and gradient. | N/A |
| Surface Water Bodies | | The closest surface water body is Peralta Creek which his located 315 feet east and up-gradient of the Property.. | | N/A |
| Nearby Wells | | A well survey has been conducted for the Property. ERAS requested all well data for a ¼ mile radius from the Alameda County Public Works Department and the California Department of Water Resources. Three sites were identified which contained a well for commercial or residential water supply. These sites were 499 High Street, 500 High Street, and 1100 29 th Avenue in Oakland. These sites were located 1,000 feet or more from the Property in an area with low topography. Contamination in this setting is unlikely to migrate a great distance from the source area. Based on the | | N/A |

TABLE 8 - Site Conceptual Model (Continued)

| CSM Element | CSM Sub-Element | Description | Data Gap Item # | Resolution |
|---------------------------|------------------------|--|------------------------|-------------------|
| | | distance contamination associated with the Property is unlikely to impact this well. | | |
| Release Source and Volume | | <p>Three ASTs including a 20,000 gallon and two 15,000 gallon gasoline ASTs were present from at least 1928 to 1949. The three ASTs were shown on Sanborn Fire Insurance maps to be mounted on two concrete pads that were each an estimated 35 feet long. The tanks and pads were located in the area that is now beneath the current rectangular manufacturing building located along the southwest side of the Property.</p> <p>Three former 500-gallon USTs were located on the Property and used by Equipment Fabrication Company (the current tenant). The USTs were removed in approximately 1991. TEA indicated there were three USTs present in 1986, the two in use at that time were used to store gasoline and paint thinner.</p> <p>A third area was formerly indicated to have been an oil warehouse and maybe a potential source of impact to the subsurface environmental conditions beneath the Property.</p> | | N/A |
| LNAPL | | There are currently no groundwater monitoring wells located on the Property. Although light non-aqueous phase liquids were not observed during grab groundwater sampling activities, concentrations of TPH-gro were detected up to 137,000 µg/L in EFC04, and located further away from EFC05 contained TPH-dro at a concentration of 105,000 µg/L. It is likely that the TPH-dro is artificially high due to rotting organic matter since silica gel cleanup was not utilized on the sample collected from EFC05. The source of the high concentration of TPH could be from onsite sources including the oil warehouse, USTs, or an up-gradient source at 744 High Street. | | N/A |
| Source Removal Activities | | On January 28, 2014 ERAS reviewed file information at the City of Oakland Fire Department. There were no records that were old enough to have listed or documented the proper permitting or removal of the former USTs. | | N/A |

TABLE 8 - Site Conceptual Model (Continued)

| CSM Element | CSM Sub-Element | Description | Data Gap Item # | Resolution |
|--------------------------------|------------------------|---|---|--|
| | | <p>An ACHCSA hazardous waste inspection report dated June 20, 1986 indicated the presence of three USTs, two of which were in use for gasoline and one for paint thinner dispensing. A certified letter dated September 25, 1989 requested that the USTs be removed or permit be applied for to operate the USTs. A receipt for \$855 dated July 31, 1991 appeared to be for payment for oversight for the UST removal/closure. It appears that the USTs were operated by the current owner of the Property from approximately 1972 until they were removed in 1991.</p> <p>The primary sources of contamination (ASTs and USTs) have been removed. The secondary source has not been sufficiently characterized to perform removal</p> | | |
| Contaminants of Concern | | <p>Based on the historical investigations and the records reviewed ERAS has determined that the contaminants of concern are as follows:</p> <p>For soil and groundwater the contaminants of concern are TPH-gro, TPH-dro, TPH-oro, VOCs, SVOCs, PCBs, and CAM 17 Metals.</p> | | N/A |
| Petroleum Hydrocarbons in Soil | | High concentrations of petroleum hydrocarbons detected were detected in soil sampled from boring EFC05 at 1.75 feet. This boring was in a low spot in asphalt at the edge of the roadway and it is possible these hydrocarbons are the result of surface runoff from the outside storage yard or the next door topographically higher lumber storage yard. | 2. The area of the ASTs was not addressed in the sampling conducted by TEA or ERAS. ERAS encountered refusal in all proposed boring locations in the vicinity of the former ASTs. The extent of the impacted soil is unknown. | Additional soil borings are needed in the vicinity of the former ASTs for the collection of soil and/or groundwater samples. |
| VOCs in Soil | | Concentrations of VOCs where detected above their respective ESLs in borings EFC03 at 3 feet, EFC05 at 1.75 feet, EFC05 at 10 | 2. The area of the ASTs was not | Additional soil borings will be |

TABLE 8 - Site Conceptual Model (Continued)

| CSM Element | CSM Sub-Element | Description | Data Gap Item # | Resolution |
|---------------------------------------|------------------------|---|---|---|
| | | feet, and B-2 at 4 feet. VOCs detected included benzene, 1,2-dibromo-3-chloropropane, ethylbenzene, naphthalene, and xylenes. These three borings were located adjacent to the former USTs on the Property and in a low spot adjacent to the edge of the Property. These concentrations may be related to a release from the former USTs, runoff from the outside storage yard, or the next door topographically higher lumber storage yard. | addressed in the sampling conducted by TEA or ERAS. ERAS encountered refusal in all proposed boring locations in the vicinity of the former ASTs. The extent of the impacted soil is unknown. | needed to determine the extent and potential impact in the vicinity of the former ASTs. |
| SVOCs in Soil | | No concentrations of SVOCs were detected in the soil samples collected above the MDLs. | | |
| PCBs in Soil | | No concentrations of PCBs were detected in the soil samples collected above the MDLs. | | |
| CAM 17 Metals in Soil | | Concentration of arsenic, nickel, and lead were detected in the soil samples collected from the Property above their respective ESLs. Arsenic was detected above the ESL in all samples collected since concentrations of arsenic in the San Francisco Bay Area are naturally elevated and these concentrations are considered to be within background the background range for Oakland of 4 to 17 mg/Kg. Boring EFC04 and EFC05 are in a low spot adjacent to the edge of the Property. It is postulated that this metals may be the result of surface runoff from metals released into the air by the galvanizing plant directly across the street from the Property. It is also possible elevated metals are a remnant of the 1989 explosive demolition. | 2. The area of the ASTs was not addressed in the sampling conducted by TEA or ERAS. ERAS encountered refusal in all proposed boring locations in the vicinity of the former ASTs. The extent of the impacted soil is unknown. | Additional soil borings will be needed to determine the extent and potential impact in the vicinity of the former ASTs. |
| Petroleum Hydrocarbons in Groundwater | | Concentrations of petroleum hydrocarbons were detected in the groundwater samples from borings EFC04, EFC05, B-1, B-2, and B-5. Borings EFC04, EFC05, B-1, and B-2 were located down-gradient from the former USTs. Boring B-5 was located 160 feet the west of the former USTs in a cross-grading direction. These concentrations | 3. The area of the ASTs was not addressed in the sampling conducted by TEA | Additional soil borings will be needed to determine the extent and potential |

TABLE 8 - Site Conceptual Model (Continued)

| CSM Element | CSM Sub-Element | Description | Data Gap Item # | Resolution |
|----------------------|------------------------|--|--|---|
| | | <p>may be related to a release from the former USTs and/or the former oil warehouse and/or the adjacent up gradient leak site, Southern Pacific Transportation Company at 744 High Street.</p> <p>The original samples collected by TEA (EFC04 and EFC05) do not appear to have had the laboratory run silica gel cleanup on the samples prior to analysis to remove biogenic hydrocarbon interferences. The samples collected by Tea contained concentrations up to 105,000 µg/L of TPH-dro. Samples collected in the vicinity by ERAS when analyzed with silica gel cleanup contained a concentration of 15,000 µg/L. A substantial amount of degrading organics were observed in the boring at the time of sample collection.</p> <p>When run with silica gel cleanup the concentrations of petroleum hydrocarbons in the groundwater beneath the Property in the vicinity of the former USTs or cross gradient all contained concentrations with in the same order of magnitude suggesting a regional plume possibly originating from the northeast.</p> | or ERAS. ERAS encountered refusal in all proposed boring locations in the vicinity of the former ASTs. The extent of the impacted groundwater is unknown. | impact in the vicinity of the former ASTs. |
| VOCs in Groundwater | | Concentrations of VOCs detected above their respective ESLs were found to be present and included Benzene up to 5.7 µg/L, bromomethane up to 47 µg/L, TBA up to 33 µg/L, ethylbenzene up to 2,400 µg/L, hexachloroethane up to 28 µg/L, naphthalene up to 878 µg/L, styrene up to 14 µg/L, 1,1,2-trichloroethane up to 30 µg/L, and xylenes up to 3,400 µg/L. All detected concentrations of VOCs above the ESLs were in borings EF04, EP05, B-1, and B-2. No concentrations above their respective ESLs were detected in boring B-5. These contaminants appear to be related to a release from the former USTs on the Property but may also be related to the up-gradient site located at 744 High Street. Some of the contaminants found are not typical for a release from the known uses of the former USTs, gasoline and paint thinner. | 3. The area of the ASTs was not addressed in the sampling conducted by TEA or ERAS. ERAS encountered refusal in all proposed boring locations in the vicinity of the former ASTs. The extent of the impacted groundwater is unknown. | Additional soil borings will be needed to determine the extent and potential impact in the vicinity of the former ASTs. |
| SVOCs in Groundwater | | SVOCs detected in the borings above their respective ESLs included bis(2-chloroisopropyl) ether, 2-methylnaphthalene, and naphthalene. Bis(2-chloroisopropyl) ether was detected at a | 3. The area of the ASTs was not addressed in the | Additional soil borings will be needed to |

TABLE 8 - Site Conceptual Model (Continued)

| CSM Element | CSM Sub-Element | Description | Data Gap Item # | Resolution |
|------------------------------|------------------------|--|--|---|
| | | concentrations of 3.1 µg/L in boring B-1, 2-methylnaphthalene was detected at concentrations of 5.2 and 7.7 µg/L in borings B-1, and B-2 respectively, and naphthalene was detected at concentrations of 4.9 and 58 µg/L in borings B-1 and B-2 respectively. No concentrations of SVOCs were detected above their ESLs in boring B-5. These contaminants appear to be related to a release from the former USTs on the Property but may also be related to the up-gradient site located at 744 High Street. | sampling conducted by TEA or ERAS. ERAS encountered refusal in all proposed boring locations in the vicinity of the former ASTs. The extent of the impacted groundwater is unknown. | determine the extent and potential impact in the vicinity of the former ASTs. |
| PCBs in Groundwater | | No concentrations of PCBs were detected in the groundwater samples collected. | | |
| CAM 17 Metals in Groundwater | | Metals detected in the borings above their respective ESLs included arsenic, cobalt, nickel, lead, and zinc. All elevated metals were detected in borings EFC04, EFC05, and B-5. The concentrations in EFC04 and 05 appear to be the result of the previous consultant placing sediment laden groundwater into nitric acid preserved sample containers without field filtering. When field filtering was properly conducted arsenic was detected at a concentration of 13 µg/L, cobalt at 3.0 µg/L, and nickel at µg/L. The concentrations of lead and zinc were found to be below their respective ESLs when properly field filtered. No concentrations of lead were detected in the vicinity of the former USTs. The concentrations of metals detected in the groundwater may be from an unknown on site source and/or the former oil warehouse and/or the up-gradient site located at 744 High Street which has documented metals in the groundwater. | 3. The area of the ASTs was not addressed in the sampling conducted by TEA or ERAS. ERAS encountered refusal in all proposed boring locations in the vicinity of the former ASTs. The extent of the impacted groundwater is unknown. | Additional soil borings will be needed to determine the extent and potential impact in the vicinity of the former ASTs. |
| Risk Evaluation | | The Property was a former oil refining, storage, and/or sales company from at least 1928 to 1964, United Freight at least in 1967, Arrow Steel Company from 1969 to 1972, followed by Equipment Fabrication Corporation from at least 1972 to the present. The Site is zoned for commercial land use. The data available at this point is not sufficient to prepare a risk | 4. The area of the ASTs was not sampled due to encountering refusal in the proposed drilling | Additional soil borings are needed to address the former ASTs and to determine the extent of the |

TABLE 8 - Site Conceptual Model (Continued)

| CSM Element | CSM Sub-Element | Description | Data Gap Item # | Resolution |
|--------------------|------------------------|--|---|-------------------------------|
| | | <p>evaluation.</p> <p>Further evaluation of direct contact, vapor intrusion and outdoor air exposure risks will be evaluated once sufficient data is obtained.</p> | <p>locations. The samples by the USTs and oil warehouse indicated a potential impact to the subsurface however the extent is unknown.</p> | <p>detected contaminants.</p> |

TABLE 9 - Data Gaps Summary and Proposed Investigation

| Item | Data Gap Item # | Proposed Investigation | Rationale | Analyses |
|-------------|--|--|--|--|
| 1 | There are no monitoring wells on Property to establish site specific groundwater depth, flow direction, and gradient. | None at this time | The local groundwater depth, flow direction, and gradient are well known based on nearby leak sites | N/A |
| 2/3 | The area of the ASTs was not addressed in the sampling conducted by TEA or ERAS. ERAS encountered refusal in all proposed boring locations in the vicinity of the proposed boring locations in the vicinity of the former ASTs. The extent of the impacted soil is unknown | Advance three borings using a direct push sample rig utilizing a dual wall sampler and a concrete coring contractor to about 20 feet in the vicinity of the former AST's. These borings will be continuously logged. Collect soil samples from the borings for laboratory analysis from depths of 0-5 feet bgs and 5-10 feet bgs. Collect groundwater samples from each boring. | These samples are needed to determine potential impact to the subsurface by the AST's. | Analyze the samples for TPH-gro, TPH-dro, and TPH-oro by EPA Method 8015C, MTBE and oxygenates by EPA Method 8260, VOCs by EPA 8260, PCBs by EPA Method 8082, SVOCs by EPA Method 8270, and CAM 17 metals. |
| 4 | The area of the ASTs was not sampled due to encountering refusal in the proposed drilling locations. The samples by the USTs and oil warehouse indicated a potential impact to the subsurface however the extent is unknown. | The area of the ASTs is discussed above as items 2/3. In an attempt to delineate the extent of the detected contamination ERAS proposes advancing four borings along the up-gradient side of the Property along with four borings along the down-gradient side of the Property (the three borings for the ASTs would be along the down-gradient side of the Property. (8 borings total). Collect soil samples from 0-5 feet bgs, 5-10 feet bgs, and a groundwater sample from each boring. | This investigation is designed to determine if an offsite source is contributing to the contaminant concentrations detected. This investigation is also designed to determine what concentrations are advancing off the down-gradient side of the Property. This will aid in determining the overall extent of impact. | Analyze the samples for TPH-gro, TPH-dro, and TPH-oro by EPA Method 8015C, MTBE and oxygenates by EPA Method 8260, VOCs by EPA 8260, PCBs by EPA Method 8082, SVOCs by EPA Method 8270, and CAM 17 metals. |

APPENDIX A

PERMIT

Alameda County Public Works Agency - Water Resources Well Permit



Public Works Agency
Alameda County

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

Application Approved on: 08/18/2016 By jamesy

Permit Numbers: W2016-0608
Permits Valid from 08/30/2016 to 08/30/2016

| | | | |
|---------------------|--|-----------------------|-------------------|
| Application Id: | 1470952400078 | City of Project Site: | Oakland |
| Site Location: | 729 45th Avenue, Oakland | | |
| Project Start Date: | Six borings to 24 feet below ground surface for the collection of soil and groundwater samples | Completion Date: | 08/30/2016 |
| Assigned Inspector: | Contact Minh Ngo at (510) 670-5759 or Minh@acpwa.org | | |
| Applicant: | ERAS Environmental, Inc. - Andrew Savage 1533 B Street, Hayward, CA 94541 | Phone: | 510-247-9885 x302 |
| Property Owner: | Stephanie Kochan 729 45th Avenue, Oakland, CA 94601 | Phone: | -- |
| Client: | Stephanie Kochan 729 45th Avenue, Oakland, CA 94601 | Phone: | -- |
| Contact: | Andrew Savage | Phone: | 510-247-9885 x302 |
| | | Cell: | 925-330-8926 |

| | | |
|-----------------------------|--------------------|--------------|
| Receipt Number: WR2016-0409 | Total Due: | \$265.00 |
| Payer Name : Andrew Savage | Total Amount Paid: | \$265.00 |
| | Paid By: MC | |
| | | PAID IN FULL |

Works Requesting Permits:

Borehole(s) for Investigation-Environmental/Monitoring Study - 6 Boreholes

Driller: Environmental Control Associates (ECA) - Lic #: 695970 - Method: DP

Work Total: \$265.00

Specifications

| Permit Number | Issued Dt | Expire Dt | # | Hole Diam | Max Depth |
|---------------|------------|------------|---|-----------|-----------|
| W2016-0608 | 08/18/2016 | 11/28/2016 | 6 | 2.75 in. | 24.00 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. The containers shall be clearly labeled to the ownership of the container and labeled hazardous or non-hazardous.
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. Applicant shall contact assigned inspector listed on the top of the permit 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.
5. 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

6. Electronic Reporting Regulations (Chapter 30, Division 3 of Title 23 & Division 3 of Title 27, CCR) require electronic submission of any report or data required by a regulatory agency from a cleanup site. Submission dates are set by a Regional Water Board or by a regulatory agency. Once a report/data is successfully uploaded, as required, you have met the reporting requirement (i.e. the compliance measure for electronic submittals is the actual upload itself). The upload date should be on or prior to the regulatory due date.

7. NOTE:

Under California laws, the owner/operator are responsible for reporting the contamination to the governmental regulatory agencies under Section 25295(a). The owner/operator is liable for civil penalties under Section 25299(a)(4) and criminal penalties under Section 25299(d) for failure to report a leak. The owner/operator is liable for civil penalties under Section 25299(b)(4) for knowing failure to ensure compliance with the law by the operator. These penalty provisions do not apply to a potential buyer.

8. Prior to any drilling activities onto any public right-of-ways, it shall be the applicants responsibilities to contact and coordinate a Underground Service Alert (USA), obtain encroachment permit(s), excavation permit(s) or any other permits required for that City or to the County and follow all City or County Ordinances. It shall also be the applicants responsibilities to provide to the Cities or to Alameda County a Traffic Safety Plan for any lane closures or detours planned. No work shall begin until all the permits and requirements have been approved or obtained.

9. 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.

APPENDIX B

STANDARD OPERATING PROCEDURES

STANDARD OPERATING PROCEDURE – DIRECT PUSH BORINGS

SOIL CORING AND SAMPLING PROCEDURES

Prior to drilling, all boreholes will be hand dug to a depth of 4-5 feet below ground surface (bgs) to check for underground utilities.

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 2.5-inch-diameter 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 4 to 5 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 or instrument refusal is reached.

A soil core interval selected for analyses is cut from the sleeve using a pre-cleaned 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 (e.g. hacksaw) 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, submersible or other appropriate pump until adequate sample volume is obtained. Peristaltic pumps are not used in applications requiring a lift of greater than 1 foot of net head.

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

LITHOLOGIC LOGS

| ERAS Environmental | | | | | | Log of Boring B-1 | | | |
|---------------------------------|-----------|-------------|---|----------|-------------|-------------------|--|--------------|--|
| PROJECT: 14-002-03 | | | ADDRESS: 729 45th Street | | | | | | |
| JOB NUMBER: 14-002-03 | | | LOCATION: At Gate | | | | | | |
| DATE STARTED: 08-30-2016 | | | First Water (ft. bgs.): 5.00 DATE: 08-30-2016 | | | | | | |
| DATE FINISHED: 08-30-2016 | | | TOTAL DEPTH: 12 feet | | | | | | |
| DRILLING METHOD: Hydraulic Push | | | GEOLOGIST: Andrew Savage | | | | | | |
| DRILLING COMPANY: ECA | | | Reviewed By: --- | | | | | | |
| DEPTH ft. | PID (ppm) | BLOWS/ 1/2' | SAMPLE NO. | RECOVERY | GRAPHIC LOG | WATER LEVEL | GEOLOGIC DESCRIPTION | WELL DIAGRAM | |
| 4' 0 | | | | | | | Concrete + Fill (rock, brick, concrete) | | |
| 5' 0 | | | | | | | Silty Clay (CL), very dark gray (10YR 3/1), damp, medium stiff, medium plasticity, no hydrocarbon (HC) odor | | |
| 6' 0 | | | | | | ▽ | Clayey Silt (ML), very dark gray (10YR 3/1), wet, medium stiff, low plasticity, 50% fines, 25% fine to coarse well graded sand, 10% organics (rocks, leaves, branches) rotting, 15% 1/8-1/2 inch rock, strong rotting organic odor | | |
| 10' 0 | | | | | | | | | |
| 15' 0 | | | | | | | | | |
| 20' 0 | | | | | | | Bottom of Boring 12 feet bgs, 08-30-2016 | | |

| ERAS Environmental | | | | | Log of Boring B-3 | | | |
|---------------------------------|-----------|-------------|------------|----------|------------------------------|------------------|---|--------------|
| PROJECT: 14-002-03 | | | | | ADDRESS: 729 45th Street | | | |
| JOB NUMBER: 14-002-03 | | | | | LOCATION: Front of Warehouse | | | |
| DATE STARTED: 08-30-2016 | | | | | First Water (ft. bgs.): NA | DATE: 08-30-2016 | | |
| DATE FINISHED: 08-30-2016 | | | | | TOTAL DEPTH: 2.5 feet | | | |
| DRILLING METHOD: Hydraulic Push | | | | | GEOLOGIST: Andrew Savage | | | |
| DRILLING COMPANY: ECA | | | | | Reviewed By: --- | | | |
| DEPTH ft. | PID (ppm) | BLOWS/ 1/2' | SAMPLE NO. | RECOVERY | GRAPHIC LOG | WATER LEVEL | GEOLOGIC DESCRIPTION | WELL DIAGRAM |
| 5 | | | | | | | Concrete + Fill (rock, brick, concrete) | |
| 10 | | | | | | | Refusal at 2.5 feet | |
| 15 | | | | | | | | |
| 20 | | | | | | | | |

| ERAS Environmental | | | | | | Log of Boring B-4 | | |
|---------------------------------|-----------|-------------|------------|----------|-------------|---|---|--------------|
| PROJECT: 14-002-03 | | | | | | ADDRESS: 729 45th Street | | |
| JOB NUMBER: 14-002-03 | | | | | | LOCATION: Middle of Warehouse | | |
| DATE STARTED: 08-30-2016 | | | | | | First Water (ft. bgs.): NA DATE: 08-30-2016 | | |
| DATE FINISHED: 08-30-2016 | | | | | | TOTAL DEPTH: 1.5 feet | | |
| DRILLING METHOD: Hydraulic Push | | | | | | GEOLOGIST: Andrew Savage | | |
| DRILLING COMPANY: ECA | | | | | | Reviewed By: --- | | |
| DEPTH ft. | PID (ppm) | BLOWS/ 1/2' | SAMPLE NO. | RECOVERY | GRAPHIC LOG | WATER LEVEL | GEOLOGIC DESCRIPTION | WELL DIAGRAM |
| 5 | | | | | | | Concrete + Fill (rock, brick, concrete) | |
| 10 | | | | | | | Refusal at 1.5 feet | |
| 15 | | | | | | | | |
| 20 | | | | | | | | |

| ERAS Environmental | | | | | | Log of Boring B-5 | | | |
|---------------------------------|-----------|-------------|--|----------|-------------|-------------------|--|--------------|--|
| PROJECT: 14-002-03 | | | ADDRESS: 729 45th Street | | | | | | |
| JOB NUMBER: 14-002-03 | | | LOCATION: Back of Warehouse | | | | | | |
| DATE STARTED: 08-30-2016 | | | First Water (ft. bgs.): 14.00 DATE: 08-30-2016 | | | | | | |
| DATE FINISHED: 08-30-2016 | | | TOTAL DEPTH: 18 feet | | | | | | |
| DRILLING METHOD: Hydraulic Push | | | GEOLOGIST: Andrew Savage | | | | | | |
| DRILLING COMPANY: ECA | | | Reviewed By: --- | | | | | | |
| DEPTH ft. | PID (ppm) | BLOWS/ 1/2' | SAMPLE NO. | RECOVERY | GRAPHIC LOG | WATER LEVEL | GEOLOGIC DESCRIPTION | WELL DIAGRAM | |
| 4' 0 | | | | | | | Concrete + Fill (rock, brick, concrete) | | |
| 5 | | | | | | | Silty Clay (CL), very dark gray (10YR 2/1), damp, medium stiff, medium plasticity, decaying organic odor | | |
| 7' 0 | | | | | | | at 5 feet, color change to dark yellowish brown (10YR 3/6, no odor) | | |
| 10' | | | | | | | | | |
| 13' 0 | | | | | | | | | |
| 15 | | | | | | ▽ | Gravely Sand (SW), dark gray (10YR 4/1), wet, dense, 70% fine to coarse well graded sand, 30% 1/8-1/2 inch gravel, HC odor present | | |
| 16' 0 | | | | | | | | | |
| 18' 0 | | | | | | | Silty Clay (CL), dark gray (10YR 4/1), damp, stiff, medium plasticity, no HC odor | | |
| 20 | | | | | | | Bottom of Boring 18 feet bgs, 08-30-2016 | | |

| ERAS Environmental | | | | | Log of Boring B-6 | | | |
|---------------------------------|-----------|-------------|-------------------------------------|----------|-------------------|-------------|---|--------------|
| PROJECT: 14-002-03 | | | ADDRESS: 729 45th Street | | | | | |
| JOB NUMBER: 14-002-03 | | | LOCATION: Outside back of Warehouse | | | | | |
| DATE STARTED: 08-30-2016 | | | First Water (ft. bgs.): NA | | DATE: 08-30-2016 | | | |
| DATE FINISHED: 08-30-2016 | | | TOTAL DEPTH: 26 feet | | | | | |
| DRILLING METHOD: Hydraulic Push | | | GEOLOGIST: Andrew Savage | | | | | |
| DRILLING COMPANY: ECA | | | Reviewed By: --- | | | | | |
| DEPTH ft. | PID (ppm) | BLOWS/ 1/2' | SAMPLE NO. | RECOVERY | GRAPHIC LOG | WATER LEVEL | GEOLOGIC DESCRIPTION | WELL DIAGRAM |
| 5' 0 | | | | | | | Concrete + Fill (rock, brick, concrete) | |
| 8' 0 | | | | | | | Silty Clay (CL), dark yellowish brown (10YR 3/6), medium stiff, medium plasticity, no HC odor | |
| 11' 0 | | | | | | | at 5 feet, very stiff | |
| 14' 0 | | | | | | | same | |
| 17' 0 | | | | | | | same | |
| 20' 0 | | | | | | | | |

| ERAS Environmental | | | | | Log of Boring B-6 | | | |
|---------------------------------|-----------|-------------|-------------------------------------|----------|--|-------------|--|--|
| PROJECT: 14-002-03 | | | ADDRESS: 729 45th Street | | | | | |
| JOB NUMBER: 14-002-03 | | | LOCATION: Outside back of Warehouse | | | | | |
| DATE STARTED: 08-30-2016 | | | First Water (ft. bgs.): NA | | DATE: 08-30-2016 | | | |
| DATE FINISHED: 08-30-2016 | | | TOTAL DEPTH: 26 feet | | | | | |
| DRILLING METHOD: Hydraulic Push | | | GEOLOGIST: Andrew Savage | | | | | |
| DRILLING COMPANY: ECA | | | Reviewed By: --- | | | | | |
| DEPTH ft. | PID (ppm) | BLOWS/ 1/2' | SAMPLE NO. | RECOVERY | GRAPHIC LOG | WATER LEVEL | | |
| | | | | | GEOLOGIC DESCRIPTION | | | |
| 23' 0 | | | | | | | | |
| 25 | | | | | | | | |
| 26' 0 | | | | | Bottom of Boring 26 feet bgs, 08-30-2016 | | | |
| 30 | | | | | | | | |
| 35 | | | | | | | | |
| 40 | | | | | | | | |

APPENDIX D

ANALYTICAL RESULTS



McCampbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 1608F84

Report Created for: ERAS Environmental, Inc.

1533 B Street
Hayward, CA 94541

Project Contact: Andrew Savage

Project P.O.:

Project Name: 14-002-03

Project Received: 08/31/2016

Analytical Report reviewed & approved for release on 09/08/2016 by:

Angela Rydelius,
Laboratory Manager

The report shall not be reproduced except in full, without the written approval of the laboratory. The analytical results relate only to the items tested. Results reported conform to the most current NELAP standards, where applicable, unless otherwise stated in the case narrative.





Glossary of Terms & Qualifier Definitions

Client: ERAS Environmental, Inc.
Project: 14-002-03
WorkOrder: 1608F84

Glossary Abbreviation

| | |
|--------------|--|
| %D | Serial Dilution Percent Difference |
| 95% Interval | 95% Confident Interval |
| DF | Dilution Factor |
| DI WET | (DISTLC) Waste Extraction Test using DI water |
| DISS | Dissolved (direct analysis of 0.45 µm filtered and acidified water sample) |
| DLT | Dilution Test (Serial Dilution) |
| DUP | Duplicate |
| EDL | Estimated Detection Limit |
| ITEF | International Toxicity Equivalence Factor |
| LCS | Laboratory Control Sample |
| MB | Method Blank |
| MB % Rec | % Recovery of Surrogate in Method Blank, if applicable |
| MDL | Method Detection Limit |
| ML | Minimum Level of Quantitation |
| MS | Matrix Spike |
| MSD | Matrix Spike Duplicate |
| N/A | Not Applicable |
| ND | Not detected at or above the indicated MDL or RL |
| NR | Data Not Reported due to matrix interference or insufficient sample amount. |
| PDS | Post Digestion Spike |
| PDSD | Post Digestion Spike Duplicate |
| PF | Prep Factor |
| RD | Relative Difference |
| RL | Reporting Limit (The RL is the lowest calibration standard in a multipoint calibration.) |
| RPD | Relative Percent Deviation |
| RRT | Relative Retention Time |
| SPK Val | Spike Value |
| SPKRef Val | Spike Reference Value |
| SPLP | Synthetic Precipitation Leachate Procedure |
| ST | Sorbent Tube |
| TCLP | Toxicity Characteristic Leachate Procedure |
| TEQ | Toxicity Equivalents |
| WET (STLC) | Waste Extraction Test (Soluble Threshold Limit Concentration) |



Glossary of Terms & Qualifier Definitions

Client: ERAS Environmental, Inc.

Project: 14-002-03

WorkOrder: 1608F84

Analytical Qualifiers

| | |
|-----|---|
| J | Result is less than the RL/ML but greater than the MDL. The reported concentration is an estimated value. |
| S | Surrogate spike recovery outside accepted recovery limits |
| a1 | sample diluted due to matrix interference |
| a3 | sample diluted due to high organic content. |
| a4 | reporting limits raised due to the sample's matrix prohibiting a full volume extraction. |
| a9 | reporting limit near, but not identical to, our standard reporting limit due to variable Encore/Solid sample weight |
| a19 | reporting limit near, but not identical to our standard reporting limit due to variable water sample volume |
| b6 | lighter than water immiscible sheen/product is present |
| c2 | surrogate recovery outside of the control limits due to matrix interference. |
| c4 | surrogate recovery outside of the control limits due to coelution with another peak(s) / cluttered chromatogram. |
| c7 | Surrogate value diluted out of range |
| c8 | sample pH is greater than 2 |
| d1 | weakly modified or unmodified gasoline is significant |
| d2 | heavier gasoline range compounds are significant (aged gasoline?) |
| d9 | no recognizable pattern |
| d17 | Reporting limit for MTBE raised due to co-elution with non-target peaks. |
| e2 | diesel range compounds are significant; no recognizable pattern |
| e4 | gasoline range compounds are significant. |
| e7 | oil range compounds are significant |
| e8 | kerosene/kerosene range/jet fuel range |
| e11 | stoddard solvent/mineral spirit (?) |
| h4 | sulfuric acid permanganate (EPA 3665) cleanup |

Quality Control Qualifiers

| | |
|-----|---|
| F10 | MS/MSD outside control limits. Physical or chemical interferences exist due to sample matrix. |
|-----|---|



Analytical Report

Client: ERAS Environmental, Inc.
Date Received: 8/31/16 17:15
Date Prepared: 8/31/16
Project: 14-002-03

WorkOrder: 1608F84
Extraction Method: SW3550B
Analytical Method: SW8082
Unit: mg/kg

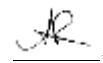
Polychlorinated Biphenyls (PCBs) Aroclors

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|-----------------------|----------------|------------|--------------------------------|------------|----------------------|
| B-5, 3.5-4' | 1608F84-002A | Soil | 08/30/2016 11:53 | GC23 | 125993 |
| <u>Analytes</u> | <u>Result</u> | <u>MDL</u> | <u>RL</u> | <u>DF</u> | <u>Date Analyzed</u> |
| Aroclor1016 | ND | 0.0051 | 0.050 | 1 | 09/01/2016 19:28 |
| Aroclor1221 | ND | 0.033 | 0.050 | 1 | 09/01/2016 19:28 |
| Aroclor1232 | ND | 0.0032 | 0.050 | 1 | 09/01/2016 19:28 |
| Aroclor1242 | ND | 0.0035 | 0.050 | 1 | 09/01/2016 19:28 |
| Aroclor1248 | ND | 0.0036 | 0.050 | 1 | 09/01/2016 19:28 |
| Aroclor1254 | ND | 0.0022 | 0.050 | 1 | 09/01/2016 19:28 |
| Aroclor1260 | ND | 0.0085 | 0.050 | 1 | 09/01/2016 19:28 |
| PCBs, total | ND | 0.033 | 0.050 | 1 | 09/01/2016 19:28 |
| <u>Surrogates</u> | <u>REC (%)</u> | | <u>Limits</u> | | |
| Decachlorobiphenyl | 98 | | 70-130 | | 09/01/2016 19:28 |
| <u>Analyst(s):</u> SS | | | <u>Analytical Comments:</u> h4 | | |

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|-----------------------|----------------|------------|------------------|------------|----------------------|
| B-5, 9.5-10' | 1608F84-003A | Soil | 08/30/2016 12:08 | GC23 | 125993 |
| <u>Analytes</u> | <u>Result</u> | <u>MDL</u> | <u>RL</u> | <u>DF</u> | <u>Date Analyzed</u> |
| Aroclor1016 | ND | 0.0051 | 0.050 | 1 | 09/01/2016 19:42 |
| Aroclor1221 | ND | 0.033 | 0.050 | 1 | 09/01/2016 19:42 |
| Aroclor1232 | ND | 0.0032 | 0.050 | 1 | 09/01/2016 19:42 |
| Aroclor1242 | ND | 0.0035 | 0.050 | 1 | 09/01/2016 19:42 |
| Aroclor1248 | ND | 0.0036 | 0.050 | 1 | 09/01/2016 19:42 |
| Aroclor1254 | ND | 0.0022 | 0.050 | 1 | 09/01/2016 19:42 |
| Aroclor1260 | ND | 0.0085 | 0.050 | 1 | 09/01/2016 19:42 |
| PCBs, total | ND | 0.033 | 0.050 | 1 | 09/01/2016 19:42 |
| <u>Surrogates</u> | <u>REC (%)</u> | | <u>Limits</u> | | |
| Decachlorobiphenyl | 86 | | 70-130 | | 09/01/2016 19:42 |
| <u>Analyst(s):</u> SS | | | | | |

(Cont.)

NELAP 4033ORELAP

 Angela Rydelius, Lab Manager



Analytical Report

Client: ERAS Environmental, Inc.
Date Received: 8/31/16 17:15
Date Prepared: 8/31/16
Project: 14-002-03

WorkOrder: 1608F84
Extraction Method: SW3550B
Analytical Method: SW8082
Unit: mg/kg

Polychlorinated Biphenyls (PCBs) Aroclors

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|--------------------|----------------|------------|------------------|------------|----------------------|
| B-6, 4.5-5' | 1608F84-004A | Soil | 08/30/2016 14:00 | GC23 | 125993 |
| <u>Analytes</u> | <u>Result</u> | <u>MDL</u> | <u>RL</u> | <u>DF</u> | <u>Date Analyzed</u> |
| Aroclor1016 | ND | 0.0051 | 0.050 | 1 | 09/01/2016 19:58 |
| Aroclor1221 | ND | 0.033 | 0.050 | 1 | 09/01/2016 19:58 |
| Aroclor1232 | ND | 0.0032 | 0.050 | 1 | 09/01/2016 19:58 |
| Aroclor1242 | ND | 0.0035 | 0.050 | 1 | 09/01/2016 19:58 |
| Aroclor1248 | ND | 0.0036 | 0.050 | 1 | 09/01/2016 19:58 |
| Aroclor1254 | ND | 0.0022 | 0.050 | 1 | 09/01/2016 19:58 |
| Aroclor1260 | ND | 0.0085 | 0.050 | 1 | 09/01/2016 19:58 |
| PCBs, total | ND | 0.033 | 0.050 | 1 | 09/01/2016 19:58 |
| <u>Surrogates</u> | <u>REC (%)</u> | | <u>Limits</u> | | |
| Decachlorobiphenyl | 89 | | 70-130 | | 09/01/2016 19:58 |
| <u>Analyst(s):</u> | SS | | | | |

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|--------------------|----------------|------------|------------------|------------|----------------------|
| B-6, 7.5-8' | 1608F84-005A | Soil | 08/30/2016 14:06 | GC23 | 125993 |
| <u>Analytes</u> | <u>Result</u> | <u>MDL</u> | <u>RL</u> | <u>DF</u> | <u>Date Analyzed</u> |
| Aroclor1016 | ND | 0.0051 | 0.050 | 1 | 09/01/2016 20:13 |
| Aroclor1221 | ND | 0.033 | 0.050 | 1 | 09/01/2016 20:13 |
| Aroclor1232 | ND | 0.0032 | 0.050 | 1 | 09/01/2016 20:13 |
| Aroclor1242 | ND | 0.0035 | 0.050 | 1 | 09/01/2016 20:13 |
| Aroclor1248 | ND | 0.0036 | 0.050 | 1 | 09/01/2016 20:13 |
| Aroclor1254 | ND | 0.0022 | 0.050 | 1 | 09/01/2016 20:13 |
| Aroclor1260 | ND | 0.0085 | 0.050 | 1 | 09/01/2016 20:13 |
| PCBs, total | ND | 0.033 | 0.050 | 1 | 09/01/2016 20:13 |
| <u>Surrogates</u> | <u>REC (%)</u> | | <u>Limits</u> | | |
| Decachlorobiphenyl | 89 | | 70-130 | | 09/01/2016 20:13 |
| <u>Analyst(s):</u> | SS | | | | |



Analytical Report

Client: ERAS Environmental, Inc.
Date Received: 8/31/16 17:15
Date Prepared: 8/31/16
Project: 14-002-03

WorkOrder: 1608F84
Extraction Method: SW3510C
Analytical Method: SW8082
Unit: µg/L

Polychlorinated Biphenyls (PCBs) Aroclors

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|--------------------|----------------|-------------------|------------------|-----------------------------|----------------------|
| B-5 | 1608F84-001D | Water | 08/30/2016 13:05 | GC20 | 125996 |
| <u>Analytes</u> | <u>Result</u> | <u>MDL</u> | <u>RL</u> | <u>DF</u> | <u>Date Analyzed</u> |
| Aroclor1016 | ND | 12 | 50 | 100 | 09/06/2016 12:49 |
| Aroclor1221 | ND | 18 | 50 | 100 | 09/06/2016 12:49 |
| Aroclor1232 | ND | 13 | 50 | 100 | 09/06/2016 12:49 |
| Aroclor1242 | ND | 8.0 | 50 | 100 | 09/06/2016 12:49 |
| Aroclor1248 | ND | 28 | 50 | 100 | 09/06/2016 12:49 |
| Aroclor1254 | ND | 16 | 50 | 100 | 09/06/2016 12:49 |
| Aroclor1260 | ND | 11 | 50 | 100 | 09/06/2016 12:49 |
| PCBs, total | ND | 50 | 50 | 100 | 09/06/2016 12:49 |
| <u>Surrogates</u> | <u>REC (%)</u> | <u>Qualifiers</u> | <u>Limits</u> | | |
| Decachlorobiphenyl | 222 | S | 70-130 | | 09/06/2016 12:49 |
| <u>Analyst(s):</u> | CK | | | <u>Analytical Comments:</u> | c7.b6 |



Analytical Report

Client: ERAS Environmental, Inc.
Date Received: 8/31/16 17:15
Date Prepared: 8/31/16
Project: 14-002-03

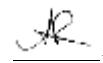
WorkOrder: 1608F84
Extraction Method: SW5035
Analytical Method: SW8260B
Unit: mg/Kg

Volatile Organics [Encore Sampling]

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|-------------------------------|---------------|-------------------|------------------|------------|-----------|
| B-5,4' | 1608F84-002B | Soil | 08/30/2016 11:53 | GC10 | 126007 |
| <u>Analytes</u> | <u>Result</u> | <u>Qualifiers</u> | <u>MDL</u> | <u>RL</u> | <u>DF</u> |
| Acetone | 0.066 | J | 0.063 | 0.16 | 1 |
| tert-Amyl methyl ether (TAME) | ND | | 0.0016 | 0.0081 | 1 |
| Benzene | ND | | 0.0026 | 0.0081 | 1 |
| Bromobenzene | ND | | 0.0028 | 0.0081 | 1 |
| Bromo(chloromethane) | ND | | 0.0024 | 0.0081 | 1 |
| Bromo(dichloromethane) | ND | | 0.0019 | 0.0081 | 1 |
| Bromoform | ND | | 0.0013 | 0.0081 | 1 |
| Bromomethane | ND | | 0.0032 | 0.0081 | 1 |
| 2-Butanone (MEK) | 0.012 | J | 0.0088 | 0.032 | 1 |
| t-Butyl alcohol (TBA) | ND | | 0.0086 | 0.081 | 1 |
| n-Butyl benzene | ND | | 0.0057 | 0.0081 | 1 |
| sec-Butyl benzene | ND | | 0.0055 | 0.0081 | 1 |
| tert-Butyl benzene | ND | | 0.0049 | 0.0081 | 1 |
| Carbon Disulfide | ND | | 0.0028 | 0.0081 | 1 |
| Carbon Tetrachloride | ND | | 0.0028 | 0.0081 | 1 |
| Chlorobenzene | ND | | 0.0029 | 0.0081 | 1 |
| Chloroethane | ND | | 0.0026 | 0.0081 | 1 |
| Chloroform | ND | | 0.0026 | 0.0081 | 1 |
| Chloromethane | ND | | 0.0028 | 0.0081 | 1 |
| 2-Chlorotoluene | ND | | 0.0036 | 0.0081 | 1 |
| 4-Chlorotoluene | ND | | 0.0034 | 0.0081 | 1 |
| Dibromo(chloromethane) | ND | | 0.0018 | 0.0081 | 1 |
| 1,2-Dibromo-3-chloropropane | ND | | 0.0019 | 0.0065 | 1 |
| 1,2-Dibromoethane (EDB) | ND | | 0.0021 | 0.0065 | 1 |
| Dibromomethane | ND | | 0.0023 | 0.0081 | 1 |
| 1,2-Dichlorobenzene | ND | | 0.0023 | 0.0081 | 1 |
| 1,3-Dichlorobenzene | ND | | 0.0029 | 0.0081 | 1 |
| 1,4-Dichlorobenzene | ND | | 0.0029 | 0.0081 | 1 |
| Dichlorodifluoromethane | ND | | 0.0018 | 0.0081 | 1 |
| 1,1-Dichloroethane | ND | | 0.0028 | 0.0081 | 1 |
| 1,2-Dichloroethane (1,2-DCA) | ND | | 0.0023 | 0.0081 | 1 |
| 1,1-Dichloroethene | ND | | 0.0028 | 0.0081 | 1 |
| cis-1,2-Dichloroethene | ND | | 0.0024 | 0.0081 | 1 |
| trans-1,2-Dichloroethene | ND | | 0.0026 | 0.0081 | 1 |
| 1,2-Dichloropropane | ND | | 0.0023 | 0.0081 | 1 |
| 1,3-Dichloropropane | ND | | 0.0026 | 0.0081 | 1 |
| 2,2-Dichloropropane | ND | | 0.0021 | 0.0081 | 1 |

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NELAP 4033ORELAP

 Angela Rydelius, Lab Manager



Analytical Report

Client: ERAS Environmental, Inc.
Date Received: 8/31/16 17:15
Date Prepared: 8/31/16
Project: 14-002-03

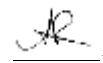
WorkOrder: 1608F84
Extraction Method: SW5035
Analytical Method: SW8260B
Unit: mg/Kg

Volatile Organics [Encore Sampling]

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|-------------------------------|---------------|-------------------|------------------|------------|-----------|
| B-5,4' | 1608F84-002B | Soil | 08/30/2016 11:53 | GC10 | 126007 |
| <u>Analytes</u> | <u>Result</u> | <u>Qualifiers</u> | <u>MDL</u> | <u>RL</u> | <u>DF</u> |
| 1,1-Dichloropropene | ND | | 0.0029 | 0.0081 | 1 |
| cis-1,3-Dichloropropene | ND | | 0.0024 | 0.0081 | 1 |
| trans-1,3-Dichloropropene | ND | | 0.0023 | 0.0081 | 1 |
| Diisopropyl ether (DIPE) | ND | | 0.0023 | 0.0081 | 1 |
| Ethylbenzene | ND | | 0.0032 | 0.0081 | 1 |
| Ethyl tert-butyl ether (ETBE) | ND | | 0.0021 | 0.0081 | 1 |
| Freon 113 | ND | | 0.0026 | 0.0081 | 1 |
| Hexachlorobutadiene | ND | | 0.0081 | 0.0081 | 1 |
| Hexachloroethane | ND | | 0.0041 | 0.0081 | 1 |
| 2-Hexanone | ND | | 0.0041 | 0.0081 | 1 |
| Isopropylbenzene | ND | | 0.0036 | 0.0081 | 1 |
| 4-Isopropyl toluene | ND | | 0.0050 | 0.0081 | 1 |
| Methyl-t-butyl ether (MTBE) | ND | | 0.0021 | 0.0081 | 1 |
| Methylene chloride | 0.0059 | J | 0.0058 | 0.0081 | 1 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 0.0013 | 0.0081 | 1 |
| Naphthalene | ND | | 0.00097 | 0.0081 | 1 |
| n-Propyl benzene | ND | | 0.0047 | 0.0081 | 1 |
| Styrene | ND | | 0.0023 | 0.0081 | 1 |
| 1,1,1,2-Tetrachloroethane | ND | | 0.0026 | 0.0081 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 0.0021 | 0.0081 | 1 |
| Tetrachloroethene | ND | | 0.0037 | 0.0081 | 1 |
| Toluene | ND | | 0.0036 | 0.0081 | 1 |
| 1,2,3-Trichlorobenzene | ND | | 0.0011 | 0.0081 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 0.0018 | 0.0081 | 1 |
| 1,1,1-Trichloroethane | ND | | 0.0029 | 0.0081 | 1 |
| 1,1,2-Trichloroethane | ND | | 0.0026 | 0.0081 | 1 |
| Trichloroethene | ND | | 0.0028 | 0.0081 | 1 |
| Trichlorofluoromethane | ND | | 0.0026 | 0.0081 | 1 |
| 1,2,3-Trichloropropane | ND | | 0.0031 | 0.0081 | 1 |
| 1,2,4-Trimethylbenzene | ND | | 0.0039 | 0.0081 | 1 |
| 1,3,5-Trimethylbenzene | ND | | 0.0044 | 0.0081 | 1 |
| Vinyl Chloride | ND | | 0.0024 | 0.0081 | 1 |
| Xylenes, Total | ND | | 0.0041 | 0.0081 | 1 |

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NELAP 4033ORELAP

 Angela Rydelius, Lab Manager



Analytical Report

Client: ERAS Environmental, Inc.
Date Received: 8/31/16 17:15
Date Prepared: 8/31/16
Project: 14-002-03

WorkOrder: 1608F84
Extraction Method: SW5035
Analytical Method: SW8260B
Unit: mg/Kg

Volatile Organics [Encore Sampling]

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID | |
|----------------------|--------------|------------|------------------|------------|----------|------------------|
| B-5,4' | 1608F84-002B | Soil | 08/30/2016 11:53 | GC10 | 126007 | |
| Analytes | Result | Qualifiers | MDL | RL | DF | Date Analyzed |
| Surrogates | REC (%) | | | Limits | | |
| Dibromofluoromethane | 100 | | | 70-130 | | 09/01/2016 10:41 |
| Toluene-d8 | 105 | | | 70-130 | | 09/01/2016 10:41 |
| 4-BFB | 99 | | | 70-130 | | 09/01/2016 10:41 |
| Benzene-d6 | 90 | | | 60-140 | | 09/01/2016 10:41 |
| Ethylbenzene-d10 | 114 | | | 60-140 | | 09/01/2016 10:41 |
| 1,2-DCB-d4 | 91 | | | 60-140 | | 09/01/2016 10:41 |

Analyst(s): MW

Analytical Comments: a9

(Cont.)

NELAP 4033ORELAP

 Angela Rydelius, Lab Manager



Analytical Report

Client: ERAS Environmental, Inc.
Date Received: 8/31/16 17:15
Date Prepared: 8/31/16
Project: 14-002-03

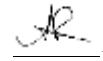
WorkOrder: 1608F84
Extraction Method: SW5035
Analytical Method: SW8260B
Unit: mg/Kg

Volatile Organics [Encore Sampling]

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|-------------------------------|---------------|------------|------------------|------------|----------------------|
| B-5, 10' | 1608F84-003B | Soil | 08/30/2016 12:08 | GC10 | 126007 |
| <u>Analytes</u> | <u>Result</u> | <u>MDL</u> | <u>RL</u> | <u>DF</u> | <u>Date Analyzed</u> |
| Acetone | ND | 0.062 | 0.16 | 1 | 09/01/2016 11:21 |
| tert-Amyl methyl ether (TAME) | ND | 0.0016 | 0.0079 | 1 | 09/01/2016 11:21 |
| Benzene | ND | 0.0025 | 0.0079 | 1 | 09/01/2016 11:21 |
| Bromobenzene | ND | 0.0027 | 0.0079 | 1 | 09/01/2016 11:21 |
| Bromoform | ND | 0.0024 | 0.0079 | 1 | 09/01/2016 11:21 |
| Bromochloromethane | ND | 0.0019 | 0.0079 | 1 | 09/01/2016 11:21 |
| Bromodichloromethane | ND | 0.0019 | 0.0079 | 1 | 09/01/2016 11:21 |
| Bromoform | ND | 0.0013 | 0.0079 | 1 | 09/01/2016 11:21 |
| Bromomethane | ND | 0.0032 | 0.0079 | 1 | 09/01/2016 11:21 |
| 2-Butanone (MEK) | ND | 0.0085 | 0.032 | 1 | 09/01/2016 11:21 |
| t-Butyl alcohol (TBA) | ND | 0.0084 | 0.079 | 1 | 09/01/2016 11:21 |
| n-Butyl benzene | ND | 0.0055 | 0.0079 | 1 | 09/01/2016 11:21 |
| sec-Butyl benzene | ND | 0.0054 | 0.0079 | 1 | 09/01/2016 11:21 |
| tert-Butyl benzene | ND | 0.0047 | 0.0079 | 1 | 09/01/2016 11:21 |
| Carbon Disulfide | ND | 0.0027 | 0.0079 | 1 | 09/01/2016 11:21 |
| Carbon Tetrachloride | ND | 0.0027 | 0.0079 | 1 | 09/01/2016 11:21 |
| Chlorobenzene | ND | 0.0028 | 0.0079 | 1 | 09/01/2016 11:21 |
| Chloroethane | ND | 0.0025 | 0.0079 | 1 | 09/01/2016 11:21 |
| Chloroform | ND | 0.0025 | 0.0079 | 1 | 09/01/2016 11:21 |
| Chloromethane | ND | 0.0027 | 0.0079 | 1 | 09/01/2016 11:21 |
| 2-Chlorotoluene | ND | 0.0035 | 0.0079 | 1 | 09/01/2016 11:21 |
| 4-Chlorotoluene | ND | 0.0033 | 0.0079 | 1 | 09/01/2016 11:21 |
| Dibromochloromethane | ND | 0.0017 | 0.0079 | 1 | 09/01/2016 11:21 |
| 1,2-Dibromo-3-chloropropane | ND | 0.0019 | 0.0063 | 1 | 09/01/2016 11:21 |
| 1,2-Dibromoethane (EDB) | ND | 0.0021 | 0.0063 | 1 | 09/01/2016 11:21 |
| Dibromomethane | ND | 0.0022 | 0.0079 | 1 | 09/01/2016 11:21 |
| 1,2-Dichlorobenzene | ND | 0.0022 | 0.0079 | 1 | 09/01/2016 11:21 |
| 1,3-Dichlorobenzene | ND | 0.0028 | 0.0079 | 1 | 09/01/2016 11:21 |
| 1,4-Dichlorobenzene | ND | 0.0028 | 0.0079 | 1 | 09/01/2016 11:21 |
| Dichlorodifluoromethane | ND | 0.0017 | 0.0079 | 1 | 09/01/2016 11:21 |
| 1,1-Dichloroethane | ND | 0.0027 | 0.0079 | 1 | 09/01/2016 11:21 |
| 1,2-Dichloroethane (1,2-DCA) | ND | 0.0022 | 0.0079 | 1 | 09/01/2016 11:21 |
| 1,1-Dichloroethene | ND | 0.0027 | 0.0079 | 1 | 09/01/2016 11:21 |
| cis-1,2-Dichloroethene | ND | 0.0024 | 0.0079 | 1 | 09/01/2016 11:21 |
| trans-1,2-Dichloroethene | ND | 0.0025 | 0.0079 | 1 | 09/01/2016 11:21 |
| 1,2-Dichloropropane | ND | 0.0022 | 0.0079 | 1 | 09/01/2016 11:21 |
| 1,3-Dichloropropane | ND | 0.0025 | 0.0079 | 1 | 09/01/2016 11:21 |
| 2,2-Dichloropropane | ND | 0.0021 | 0.0079 | 1 | 09/01/2016 11:21 |

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NELAP 4033ORELAP

 Angela Rydelius, Lab Manager



Analytical Report

Client: ERAS Environmental, Inc.
Date Received: 8/31/16 17:15
Date Prepared: 8/31/16
Project: 14-002-03

WorkOrder: 1608F84
Extraction Method: SW5035
Analytical Method: SW8260B
Unit: mg/Kg

Volatile Organics [Encore Sampling]

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|-------------------------------|---------------|------------|------------------|------------|----------------------|
| B-5, 10' | 1608F84-003B | Soil | 08/30/2016 12:08 | GC10 | 126007 |
| <u>Analytes</u> | <u>Result</u> | <u>MDL</u> | <u>RL</u> | <u>DF</u> | <u>Date Analyzed</u> |
| 1,1-Dichloropropene | ND | 0.0028 | 0.0079 | 1 | 09/01/2016 11:21 |
| cis-1,3-Dichloropropene | ND | 0.0024 | 0.0079 | 1 | 09/01/2016 11:21 |
| trans-1,3-Dichloropropene | ND | 0.0022 | 0.0079 | 1 | 09/01/2016 11:21 |
| Diisopropyl ether (DIPE) | ND | 0.0022 | 0.0079 | 1 | 09/01/2016 11:21 |
| Ethylbenzene | ND | 0.0032 | 0.0079 | 1 | 09/01/2016 11:21 |
| Ethyl tert-butyl ether (ETBE) | ND | 0.0021 | 0.0079 | 1 | 09/01/2016 11:21 |
| Freon 113 | ND | 0.0025 | 0.0079 | 1 | 09/01/2016 11:21 |
| Hexachlorobutadiene | ND | 0.0079 | 0.0079 | 1 | 09/01/2016 11:21 |
| Hexachloroethane | ND | 0.0039 | 0.0079 | 1 | 09/01/2016 11:21 |
| 2-Hexanone | ND | 0.0039 | 0.0079 | 1 | 09/01/2016 11:21 |
| Isopropylbenzene | ND | 0.0035 | 0.0079 | 1 | 09/01/2016 11:21 |
| 4-Isopropyl toluene | ND | 0.0049 | 0.0079 | 1 | 09/01/2016 11:21 |
| Methyl-t-butyl ether (MTBE) | ND | 0.0021 | 0.0079 | 1 | 09/01/2016 11:21 |
| Methylene chloride | ND | 0.0057 | 0.0079 | 1 | 09/01/2016 11:21 |
| 4-Methyl-2-pentanone (MIBK) | ND | 0.0013 | 0.0079 | 1 | 09/01/2016 11:21 |
| Naphthalene | ND | 0.00095 | 0.0079 | 1 | 09/01/2016 11:21 |
| n-Propyl benzene | ND | 0.0046 | 0.0079 | 1 | 09/01/2016 11:21 |
| Styrene | ND | 0.0022 | 0.0079 | 1 | 09/01/2016 11:21 |
| 1,1,1,2-Tetrachloroethane | ND | 0.0025 | 0.0079 | 1 | 09/01/2016 11:21 |
| 1,1,2,2-Tetrachloroethane | ND | 0.0021 | 0.0079 | 1 | 09/01/2016 11:21 |
| Tetrachloroethene | ND | 0.0036 | 0.0079 | 1 | 09/01/2016 11:21 |
| Toluene | ND | 0.0035 | 0.0079 | 1 | 09/01/2016 11:21 |
| 1,2,3-Trichlorobenzene | ND | 0.0011 | 0.0079 | 1 | 09/01/2016 11:21 |
| 1,2,4-Trichlorobenzene | ND | 0.0017 | 0.0079 | 1 | 09/01/2016 11:21 |
| 1,1,1-Trichloroethane | ND | 0.0028 | 0.0079 | 1 | 09/01/2016 11:21 |
| 1,1,2-Trichloroethane | ND | 0.0025 | 0.0079 | 1 | 09/01/2016 11:21 |
| Trichloroethene | ND | 0.0027 | 0.0079 | 1 | 09/01/2016 11:21 |
| Trichlorofluoromethane | ND | 0.0025 | 0.0079 | 1 | 09/01/2016 11:21 |
| 1,2,3-Trichloropropane | ND | 0.0030 | 0.0079 | 1 | 09/01/2016 11:21 |
| 1,2,4-Trimethylbenzene | ND | 0.0038 | 0.0079 | 1 | 09/01/2016 11:21 |
| 1,3,5-Trimethylbenzene | ND | 0.0043 | 0.0079 | 1 | 09/01/2016 11:21 |
| Vinyl Chloride | ND | 0.0024 | 0.0079 | 1 | 09/01/2016 11:21 |
| Xylenes, Total | ND | 0.0039 | 0.0079 | 1 | 09/01/2016 11:21 |

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NELAP 4033ORELAP

 Angela Rydelius, Lab Manager



Analytical Report

Client: ERAS Environmental, Inc.
Date Received: 8/31/16 17:15
Date Prepared: 8/31/16
Project: 14-002-03

WorkOrder: 1608F84
Extraction Method: SW5035
Analytical Method: SW8260B
Unit: mg/Kg

Volatile Organics [Encore Sampling]

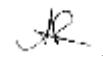
| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|----------------------|--------------|--------|------------------|------------|------------------|
| B-5, 10' | 1608F84-003B | Soil | 08/30/2016 12:08 | GC10 | 126007 |
| Analytes | Result | MDL | RL | DF | Date Analyzed |
| Surrogates | REC (%) | | Limits | | |
| Dibromofluoromethane | 101 | | 70-130 | | 09/01/2016 11:21 |
| Toluene-d8 | 104 | | 70-130 | | 09/01/2016 11:21 |
| 4-BFB | 94 | | 70-130 | | 09/01/2016 11:21 |
| Benzene-d6 | 94 | | 60-140 | | 09/01/2016 11:21 |
| Ethylbenzene-d10 | 118 | | 60-140 | | 09/01/2016 11:21 |
| 1,2-DCB-d4 | 93 | | 60-140 | | 09/01/2016 11:21 |

Analyst(s): MW

Analytical Comments: a9

(Cont.)

NELAP 4033ORELAP

 Angela Rydelius, Lab Manager



Analytical Report

Client: ERAS Environmental, Inc.
Date Received: 8/31/16 17:15
Date Prepared: 8/31/16
Project: 14-002-03

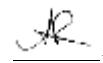
WorkOrder: 1608F84
Extraction Method: SW5035
Analytical Method: SW8260B
Unit: mg/Kg

Volatile Organics [Encore Sampling]

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|-------------------------------|---------------|------------|------------------|------------|----------------------|
| B-6, 5' | 1608F84-004B | Soil | 08/30/2016 14:00 | GC10 | 126007 |
| <u>Analytes</u> | <u>Result</u> | <u>MDL</u> | <u>RL</u> | <u>DF</u> | <u>Date Analyzed</u> |
| Acetone | ND | 0.059 | 0.15 | 1 | 09/01/2016 12:01 |
| tert-Amyl methyl ether (TAME) | ND | 0.0015 | 0.0076 | 1 | 09/01/2016 12:01 |
| Benzene | ND | 0.0024 | 0.0076 | 1 | 09/01/2016 12:01 |
| Bromobenzene | ND | 0.0026 | 0.0076 | 1 | 09/01/2016 12:01 |
| Bromoform | ND | 0.0023 | 0.0076 | 1 | 09/01/2016 12:01 |
| Bromochloromethane | ND | 0.0018 | 0.0076 | 1 | 09/01/2016 12:01 |
| Bromodichloromethane | ND | 0.0012 | 0.0076 | 1 | 09/01/2016 12:01 |
| Bromomethane | ND | 0.0030 | 0.0076 | 1 | 09/01/2016 12:01 |
| 2-Butanone (MEK) | ND | 0.0082 | 0.030 | 1 | 09/01/2016 12:01 |
| t-Butyl alcohol (TBA) | ND | 0.0081 | 0.076 | 1 | 09/01/2016 12:01 |
| n-Butyl benzene | ND | 0.0053 | 0.0076 | 1 | 09/01/2016 12:01 |
| sec-Butyl benzene | ND | 0.0052 | 0.0076 | 1 | 09/01/2016 12:01 |
| tert-Butyl benzene | ND | 0.0046 | 0.0076 | 1 | 09/01/2016 12:01 |
| Carbon Disulfide | ND | 0.0026 | 0.0076 | 1 | 09/01/2016 12:01 |
| Carbon Tetrachloride | ND | 0.0026 | 0.0076 | 1 | 09/01/2016 12:01 |
| Chlorobenzene | ND | 0.0027 | 0.0076 | 1 | 09/01/2016 12:01 |
| Chloroethane | ND | 0.0024 | 0.0076 | 1 | 09/01/2016 12:01 |
| Chloroform | ND | 0.0024 | 0.0076 | 1 | 09/01/2016 12:01 |
| Chloromethane | ND | 0.0026 | 0.0076 | 1 | 09/01/2016 12:01 |
| 2-Chlorotoluene | ND | 0.0033 | 0.0076 | 1 | 09/01/2016 12:01 |
| 4-Chlorotoluene | ND | 0.0032 | 0.0076 | 1 | 09/01/2016 12:01 |
| Dibromochloromethane | ND | 0.0017 | 0.0076 | 1 | 09/01/2016 12:01 |
| 1,2-Dibromo-3-chloropropane | ND | 0.0018 | 0.0061 | 1 | 09/01/2016 12:01 |
| 1,2-Dibromoethane (EDB) | ND | 0.0020 | 0.0061 | 1 | 09/01/2016 12:01 |
| Dibromomethane | ND | 0.0021 | 0.0076 | 1 | 09/01/2016 12:01 |
| 1,2-Dichlorobenzene | ND | 0.0021 | 0.0076 | 1 | 09/01/2016 12:01 |
| 1,3-Dichlorobenzene | ND | 0.0027 | 0.0076 | 1 | 09/01/2016 12:01 |
| 1,4-Dichlorobenzene | ND | 0.0027 | 0.0076 | 1 | 09/01/2016 12:01 |
| Dichlorodifluoromethane | ND | 0.0017 | 0.0076 | 1 | 09/01/2016 12:01 |
| 1,1-Dichloroethane | ND | 0.0026 | 0.0076 | 1 | 09/01/2016 12:01 |
| 1,2-Dichloroethane (1,2-DCA) | ND | 0.0021 | 0.0076 | 1 | 09/01/2016 12:01 |
| 1,1-Dichloroethene | ND | 0.0026 | 0.0076 | 1 | 09/01/2016 12:01 |
| cis-1,2-Dichloroethene | ND | 0.0023 | 0.0076 | 1 | 09/01/2016 12:01 |
| trans-1,2-Dichloroethene | ND | 0.0024 | 0.0076 | 1 | 09/01/2016 12:01 |
| 1,2-Dichloropropane | ND | 0.0021 | 0.0076 | 1 | 09/01/2016 12:01 |
| 1,3-Dichloropropane | ND | 0.0024 | 0.0076 | 1 | 09/01/2016 12:01 |
| 2,2-Dichloropropane | ND | 0.0020 | 0.0076 | 1 | 09/01/2016 12:01 |

(Cont.)

NELAP 4033ORELAP

 Angela Rydelius, Lab Manager



Analytical Report

Client: ERAS Environmental, Inc.
Date Received: 8/31/16 17:15
Date Prepared: 8/31/16
Project: 14-002-03

WorkOrder: 1608F84
Extraction Method: SW5035
Analytical Method: SW8260B
Unit: mg/Kg

Volatile Organics [Encore Sampling]

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|-------------------------------|---------------|------------|------------------|------------|----------------------|
| B-6, 5' | 1608F84-004B | Soil | 08/30/2016 14:00 | GC10 | 126007 |
| <u>Analytes</u> | <u>Result</u> | <u>MDL</u> | <u>RL</u> | <u>DF</u> | <u>Date Analyzed</u> |
| 1,1-Dichloropropene | ND | 0.0027 | 0.0076 | 1 | 09/01/2016 12:01 |
| cis-1,3-Dichloropropene | ND | 0.0023 | 0.0076 | 1 | 09/01/2016 12:01 |
| trans-1,3-Dichloropropene | ND | 0.0021 | 0.0076 | 1 | 09/01/2016 12:01 |
| Diisopropyl ether (DIPE) | ND | 0.0021 | 0.0076 | 1 | 09/01/2016 12:01 |
| Ethylbenzene | ND | 0.0030 | 0.0076 | 1 | 09/01/2016 12:01 |
| Ethyl tert-butyl ether (ETBE) | ND | 0.0020 | 0.0076 | 1 | 09/01/2016 12:01 |
| Freon 113 | ND | 0.0024 | 0.0076 | 1 | 09/01/2016 12:01 |
| Hexachlorobutadiene | ND | 0.0076 | 0.0076 | 1 | 09/01/2016 12:01 |
| Hexachloroethane | ND | 0.0038 | 0.0076 | 1 | 09/01/2016 12:01 |
| 2-Hexanone | ND | 0.0038 | 0.0076 | 1 | 09/01/2016 12:01 |
| Isopropylbenzene | ND | 0.0033 | 0.0076 | 1 | 09/01/2016 12:01 |
| 4-Isopropyl toluene | ND | 0.0047 | 0.0076 | 1 | 09/01/2016 12:01 |
| Methyl-t-butyl ether (MTBE) | ND | 0.0020 | 0.0076 | 1 | 09/01/2016 12:01 |
| Methylene chloride | ND | 0.0055 | 0.0076 | 1 | 09/01/2016 12:01 |
| 4-Methyl-2-pentanone (MIBK) | ND | 0.0012 | 0.0076 | 1 | 09/01/2016 12:01 |
| Naphthalene | ND | 0.00091 | 0.0076 | 1 | 09/01/2016 12:01 |
| n-Propyl benzene | ND | 0.0044 | 0.0076 | 1 | 09/01/2016 12:01 |
| Styrene | ND | 0.0021 | 0.0076 | 1 | 09/01/2016 12:01 |
| 1,1,1,2-Tetrachloroethane | ND | 0.0024 | 0.0076 | 1 | 09/01/2016 12:01 |
| 1,1,2,2-Tetrachloroethane | ND | 0.0020 | 0.0076 | 1 | 09/01/2016 12:01 |
| Tetrachloroethene | ND | 0.0035 | 0.0076 | 1 | 09/01/2016 12:01 |
| Toluene | ND | 0.0033 | 0.0076 | 1 | 09/01/2016 12:01 |
| 1,2,3-Trichlorobenzene | ND | 0.0011 | 0.0076 | 1 | 09/01/2016 12:01 |
| 1,2,4-Trichlorobenzene | ND | 0.0017 | 0.0076 | 1 | 09/01/2016 12:01 |
| 1,1,1-Trichloroethane | ND | 0.0027 | 0.0076 | 1 | 09/01/2016 12:01 |
| 1,1,2-Trichloroethane | ND | 0.0024 | 0.0076 | 1 | 09/01/2016 12:01 |
| Trichloroethene | ND | 0.0026 | 0.0076 | 1 | 09/01/2016 12:01 |
| Trichlorofluoromethane | ND | 0.0024 | 0.0076 | 1 | 09/01/2016 12:01 |
| 1,2,3-Trichloropropane | ND | 0.0029 | 0.0076 | 1 | 09/01/2016 12:01 |
| 1,2,4-Trimethylbenzene | ND | 0.0036 | 0.0076 | 1 | 09/01/2016 12:01 |
| 1,3,5-Trimethylbenzene | ND | 0.0041 | 0.0076 | 1 | 09/01/2016 12:01 |
| Vinyl Chloride | ND | 0.0023 | 0.0076 | 1 | 09/01/2016 12:01 |
| Xylenes, Total | ND | 0.0038 | 0.0076 | 1 | 09/01/2016 12:01 |

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NELAP 4033ORELAP

 Angela Rydelius, Lab Manager



Analytical Report

Client: ERAS Environmental, Inc.
Date Received: 8/31/16 17:15
Date Prepared: 8/31/16
Project: 14-002-03

WorkOrder: 1608F84
Extraction Method: SW5035
Analytical Method: SW8260B
Unit: mg/Kg

Volatile Organics [Encore Sampling]

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|----------------------|-------------------------|--------|------------------|------------|------------------|
| B-6, 5' | 1608F84-004B | Soil | 08/30/2016 14:00 | GC10 | 126007 |
| Analytes | Result | MDL | RL | DF | Date Analyzed |
| Surrogates | REC (%) | | Limits | | |
| Dibromofluoromethane | 101 | | 70-130 | | 09/01/2016 12:01 |
| Toluene-d8 | 103 | | 70-130 | | 09/01/2016 12:01 |
| 4-BFB | 96 | | 70-130 | | 09/01/2016 12:01 |
| Benzene-d6 | 92 | | 60-140 | | 09/01/2016 12:01 |
| Ethylbenzene-d10 | 115 | | 60-140 | | 09/01/2016 12:01 |
| 1,2-DCB-d4 | 90 | | 60-140 | | 09/01/2016 12:01 |
| Analyst(s): MW | Analytical Comments: a9 | | | | |

(Cont.)

NELAP 4033ORELAP

 Angela Rydelius, Lab Manager



Analytical Report

Client: ERAS Environmental, Inc.
Date Received: 8/31/16 17:15
Date Prepared: 8/31/16
Project: 14-002-03

WorkOrder: 1608F84
Extraction Method: SW5035
Analytical Method: SW8260B
Unit: mg/Kg

Volatile Organics [Encore Sampling]

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|-------------------------------|---------------|-------------------|------------------|------------|-----------|
| B-6, 8' | 1608F84-005B | Soil | 08/30/2016 14:06 | GC10 | 126007 |
| <u>Analytes</u> | <u>Result</u> | <u>Qualifiers</u> | <u>MDL</u> | <u>RL</u> | <u>DF</u> |
| Acetone | ND | | 0.061 | 0.16 | 1 |
| tert-Amyl methyl ether (TAME) | ND | | 0.0016 | 0.0078 | 1 |
| Benzene | ND | | 0.0025 | 0.0078 | 1 |
| Bromobenzene | ND | | 0.0026 | 0.0078 | 1 |
| Bromoform | ND | | 0.0023 | 0.0078 | 1 |
| Bromochloromethane | ND | | 0.0019 | 0.0078 | 1 |
| Bromodichloromethane | ND | | 0.0019 | 0.0078 | 1 |
| Bromoform | ND | | 0.0012 | 0.0078 | 1 |
| Bromomethane | ND | | 0.0031 | 0.0078 | 1 |
| 2-Butanone (MEK) | 0.0089 | J | 0.0084 | 0.031 | 1 |
| t-Butyl alcohol (TBA) | ND | | 0.0082 | 0.078 | 1 |
| n-Butyl benzene | ND | | 0.0054 | 0.0078 | 1 |
| sec-Butyl benzene | ND | | 0.0053 | 0.0078 | 1 |
| tert-Butyl benzene | ND | | 0.0047 | 0.0078 | 1 |
| Carbon Disulfide | ND | | 0.0026 | 0.0078 | 1 |
| Carbon Tetrachloride | ND | | 0.0026 | 0.0078 | 1 |
| Chlorobenzene | ND | | 0.0028 | 0.0078 | 1 |
| Chloroethane | ND | | 0.0025 | 0.0078 | 1 |
| Chloroform | ND | | 0.0025 | 0.0078 | 1 |
| Chloromethane | ND | | 0.0026 | 0.0078 | 1 |
| 2-Chlorotoluene | ND | | 0.0034 | 0.0078 | 1 |
| 4-Chlorotoluene | ND | | 0.0033 | 0.0078 | 1 |
| Dibromochloromethane | ND | | 0.0017 | 0.0078 | 1 |
| 1,2-Dibromo-3-chloropropane | ND | | 0.0019 | 0.0062 | 1 |
| 1,2-Dibromoethane (EDB) | ND | | 0.0020 | 0.0062 | 1 |
| Dibromomethane | ND | | 0.0022 | 0.0078 | 1 |
| 1,2-Dichlorobenzene | ND | | 0.0022 | 0.0078 | 1 |
| 1,3-Dichlorobenzene | ND | | 0.0028 | 0.0078 | 1 |
| 1,4-Dichlorobenzene | ND | | 0.0028 | 0.0078 | 1 |
| Dichlorodifluoromethane | ND | | 0.0017 | 0.0078 | 1 |
| 1,1-Dichloroethane | ND | | 0.0026 | 0.0078 | 1 |
| 1,2-Dichloroethane (1,2-DCA) | ND | | 0.0022 | 0.0078 | 1 |
| 1,1-Dichloroethene | ND | | 0.0026 | 0.0078 | 1 |
| cis-1,2-Dichloroethene | ND | | 0.0023 | 0.0078 | 1 |
| trans-1,2-Dichloroethene | ND | | 0.0025 | 0.0078 | 1 |
| 1,2-Dichloropropane | ND | | 0.0022 | 0.0078 | 1 |
| 1,3-Dichloropropane | ND | | 0.0025 | 0.0078 | 1 |
| 2,2-Dichloropropane | ND | | 0.0020 | 0.0078 | 1 |

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NELAP 4033ORELAP

 Angela Rydelius, Lab Manager



Analytical Report

Client: ERAS Environmental, Inc.
Date Received: 8/31/16 17:15
Date Prepared: 8/31/16
Project: 14-002-03

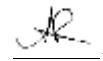
WorkOrder: 1608F84
Extraction Method: SW5035
Analytical Method: SW8260B
Unit: mg/Kg

Volatile Organics [Encore Sampling]

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|-------------------------------|---------------|-------------------|------------------|------------|-----------|
| B-6, 8' | 1608F84-005B | Soil | 08/30/2016 14:06 | GC10 | 126007 |
| <u>Analytes</u> | <u>Result</u> | <u>Qualifiers</u> | <u>MDL</u> | <u>RL</u> | <u>DF</u> |
| 1,1-Dichloropropene | ND | | 0.0028 | 0.0078 | 1 |
| cis-1,3-Dichloropropene | ND | | 0.0023 | 0.0078 | 1 |
| trans-1,3-Dichloropropene | ND | | 0.0022 | 0.0078 | 1 |
| Diisopropyl ether (DIPE) | ND | | 0.0022 | 0.0078 | 1 |
| Ethylbenzene | ND | | 0.0031 | 0.0078 | 1 |
| Ethyl tert-butyl ether (ETBE) | ND | | 0.0020 | 0.0078 | 1 |
| Freon 113 | ND | | 0.0025 | 0.0078 | 1 |
| Hexachlorobutadiene | ND | | 0.0078 | 0.0078 | 1 |
| Hexachloroethane | ND | | 0.0039 | 0.0078 | 1 |
| 2-Hexanone | ND | | 0.0039 | 0.0078 | 1 |
| Isopropylbenzene | ND | | 0.0034 | 0.0078 | 1 |
| 4-Isopropyl toluene | ND | | 0.0048 | 0.0078 | 1 |
| Methyl-t-butyl ether (MTBE) | ND | | 0.0020 | 0.0078 | 1 |
| Methylene chloride | ND | | 0.0056 | 0.0078 | 1 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 0.0012 | 0.0078 | 1 |
| Naphthalene | ND | | 0.00093 | 0.0078 | 1 |
| n-Propyl benzene | ND | | 0.0045 | 0.0078 | 1 |
| Styrene | ND | | 0.0022 | 0.0078 | 1 |
| 1,1,1,2-Tetrachloroethane | ND | | 0.0025 | 0.0078 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 0.0020 | 0.0078 | 1 |
| Tetrachloroethene | ND | | 0.0036 | 0.0078 | 1 |
| Toluene | ND | | 0.0034 | 0.0078 | 1 |
| 1,2,3-Trichlorobenzene | ND | | 0.0011 | 0.0078 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 0.0017 | 0.0078 | 1 |
| 1,1,1-Trichloroethane | ND | | 0.0028 | 0.0078 | 1 |
| 1,1,2-Trichloroethane | ND | | 0.0025 | 0.0078 | 1 |
| Trichloroethene | ND | | 0.0026 | 0.0078 | 1 |
| Trichlorofluoromethane | ND | | 0.0025 | 0.0078 | 1 |
| 1,2,3-Trichloropropane | ND | | 0.0030 | 0.0078 | 1 |
| 1,2,4-Trimethylbenzene | ND | | 0.0037 | 0.0078 | 1 |
| 1,3,5-Trimethylbenzene | ND | | 0.0042 | 0.0078 | 1 |
| Vinyl Chloride | ND | | 0.0023 | 0.0078 | 1 |
| Xylenes, Total | ND | | 0.0039 | 0.0078 | 1 |

(Cont.)

NELAP 4033ORELAP

 Angela Rydelius, Lab Manager



Analytical Report

Client: ERAS Environmental, Inc.
Date Received: 8/31/16 17:15
Date Prepared: 8/31/16
Project: 14-002-03

WorkOrder: 1608F84
Extraction Method: SW5035
Analytical Method: SW8260B
Unit: mg/Kg

Volatile Organics [Encore Sampling]

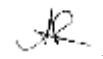
| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID | |
|----------------------|--------------|------------|------------------|------------|----------|------------------|
| B-6, 8' | 1608F84-005B | Soil | 08/30/2016 14:06 | GC10 | 126007 | |
| Analytes | Result | Qualifiers | MDL | RL | DF | Date Analyzed |
| Surrogates | REC (%) | | | Limits | | |
| Dibromofluoromethane | 101 | | | 70-130 | | 09/01/2016 12:41 |
| Toluene-d8 | 104 | | | 70-130 | | 09/01/2016 12:41 |
| 4-BFB | 93 | | | 70-130 | | 09/01/2016 12:41 |
| Benzene-d6 | 91 | | | 60-140 | | 09/01/2016 12:41 |
| Ethylbenzene-d10 | 115 | | | 60-140 | | 09/01/2016 12:41 |
| 1,2-DCB-d4 | 90 | | | 60-140 | | 09/01/2016 12:41 |

Analyst(s): MW

Analytical Comments: a9

(Cont.)

NELAP 4033ORELAP

 Angela Rydelius, Lab Manager



Analytical Report

Client: ERAS Environmental, Inc.
Date Received: 8/31/16 17:15
Date Prepared: 8/31/16
Project: 14-002-03

WorkOrder: 1608F84
Extraction Method: SW5035
Analytical Method: SW8260B
Unit: mg/Kg

Volatile Organics [Encore Sampling]

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|-------------------------------|---------------|-------------------|------------------|------------|-----------|
| B-1, 4' | 1608F84-007B | Soil | 08/30/2016 09:16 | GC10 | 126007 |
| <u>Analytes</u> | <u>Result</u> | <u>Qualifiers</u> | <u>MDL</u> | <u>RL</u> | <u>DF</u> |
| Acetone | ND | | 0.062 | 0.16 | 1 |
| tert-Amyl methyl ether (TAME) | ND | | 0.0016 | 0.0079 | 1 |
| Benzene | ND | | 0.0025 | 0.0079 | 1 |
| Bromobenzene | ND | | 0.0027 | 0.0079 | 1 |
| Bromoform | ND | | 0.0024 | 0.0079 | 1 |
| Bromochloromethane | ND | | 0.0071 | J | 0.0019 |
| Bromodichloromethane | ND | | 0.0013 | 0.0079 | 1 |
| Bromoform | ND | | 0.0032 | 0.0079 | 1 |
| 2-Butanone (MEK) | 0.018 | J | 0.0086 | 0.032 | 1 |
| t-Butyl alcohol (TBA) | 0.0099 | J | 0.0084 | 0.079 | 1 |
| n-Butyl benzene | 0.034 | | 0.0056 | 0.0079 | 1 |
| sec-Butyl benzene | 0.0080 | | 0.0054 | 0.0079 | 1 |
| tert-Butyl benzene | ND | | 0.0048 | 0.0079 | 1 |
| Carbon Disulfide | ND | | 0.0027 | 0.0079 | 1 |
| Carbon Tetrachloride | ND | | 0.0027 | 0.0079 | 1 |
| Chlorobenzene | ND | | 0.0029 | 0.0079 | 1 |
| Chloroethane | ND | | 0.0025 | 0.0079 | 1 |
| Chloroform | ND | | 0.0025 | 0.0079 | 1 |
| Chloromethane | ND | | 0.0027 | 0.0079 | 1 |
| 2-Chlorotoluene | ND | | 0.0035 | 0.0079 | 1 |
| 4-Chlorotoluene | ND | | 0.0033 | 0.0079 | 1 |
| Dibromochloromethane | ND | | 0.0017 | 0.0079 | 1 |
| 1,2-Dibromo-3-chloropropane | ND | | 0.0019 | 0.0064 | 1 |
| 1,2-Dibromoethane (EDB) | ND | | 0.0021 | 0.0064 | 1 |
| Dibromomethane | ND | | 0.0022 | 0.0079 | 1 |
| 1,2-Dichlorobenzene | ND | | 0.0022 | 0.0079 | 1 |
| 1,3-Dichlorobenzene | ND | | 0.0029 | 0.0079 | 1 |
| 1,4-Dichlorobenzene | ND | | 0.0029 | 0.0079 | 1 |
| Dichlorodifluoromethane | ND | | 0.0017 | 0.0079 | 1 |
| 1,1-Dichloroethane | ND | | 0.0027 | 0.0079 | 1 |
| 1,2-Dichloroethane (1,2-DCA) | ND | | 0.0022 | 0.0079 | 1 |
| 1,1-Dichloroethene | ND | | 0.0027 | 0.0079 | 1 |
| cis-1,2-Dichloroethene | ND | | 0.0024 | 0.0079 | 1 |
| trans-1,2-Dichloroethene | ND | | 0.0025 | 0.0079 | 1 |
| 1,2-Dichloropropane | ND | | 0.0022 | 0.0079 | 1 |
| 1,3-Dichloropropane | ND | | 0.0025 | 0.0079 | 1 |
| 2,2-Dichloropropane | ND | | 0.0021 | 0.0079 | 1 |

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NELAP 4033ORELAP

 Angela Rydelius, Lab Manager



Analytical Report

Client: ERAS Environmental, Inc.
Date Received: 8/31/16 17:15
Date Prepared: 8/31/16
Project: 14-002-03

WorkOrder: 1608F84
Extraction Method: SW5035
Analytical Method: SW8260B
Unit: mg/Kg

Volatile Organics [Encore Sampling]

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|-------------------------------|---------------|-------------------|------------------|------------|-----------|
| B-1, 4' | 1608F84-007B | Soil | 08/30/2016 09:16 | GC10 | 126007 |
| <u>Analytes</u> | <u>Result</u> | <u>Qualifiers</u> | <u>MDL</u> | <u>RL</u> | <u>DF</u> |
| 1,1-Dichloropropene | ND | | 0.0029 | 0.0079 | 1 |
| cis-1,3-Dichloropropene | ND | | 0.0024 | 0.0079 | 1 |
| trans-1,3-Dichloropropene | ND | | 0.0022 | 0.0079 | 1 |
| Diisopropyl ether (DIPE) | ND | | 0.0022 | 0.0079 | 1 |
| Ethylbenzene | 0.024 | | 0.0032 | 0.0079 | 1 |
| Ethyl tert-butyl ether (ETBE) | ND | | 0.0021 | 0.0079 | 1 |
| Freon 113 | ND | | 0.0025 | 0.0079 | 1 |
| Hexachlorobutadiene | ND | | 0.0079 | 0.0079 | 1 |
| Hexachloroethane | ND | | 0.0040 | 0.0079 | 1 |
| 2-Hexanone | ND | | 0.0040 | 0.0079 | 1 |
| Isopropylbenzene | 0.019 | | 0.0035 | 0.0079 | 1 |
| 4-Isopropyl toluene | ND | | 0.0049 | 0.0079 | 1 |
| Methyl-t-butyl ether (MTBE) | ND | | 0.0021 | 0.0079 | 1 |
| Methylene chloride | ND | | 0.0057 | 0.0079 | 1 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 0.0013 | 0.0079 | 1 |
| Naphthalene | ND | | 0.00095 | 0.0079 | 1 |
| n-Propyl benzene | 0.013 | | 0.0046 | 0.0079 | 1 |
| Styrene | ND | | 0.0022 | 0.0079 | 1 |
| 1,1,1,2-Tetrachloroethane | ND | | 0.0025 | 0.0079 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 0.0021 | 0.0079 | 1 |
| Tetrachloroethene | ND | | 0.0037 | 0.0079 | 1 |
| Toluene | ND | | 0.0035 | 0.0079 | 1 |
| 1,2,3-Trichlorobenzene | ND | | 0.0011 | 0.0079 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 0.0017 | 0.0079 | 1 |
| 1,1,1-Trichloroethane | ND | | 0.0029 | 0.0079 | 1 |
| 1,1,2-Trichloroethane | ND | | 0.0025 | 0.0079 | 1 |
| Trichloroethene | ND | | 0.0027 | 0.0079 | 1 |
| Trichlorofluoromethane | ND | | 0.0025 | 0.0079 | 1 |
| 1,2,3-Trichloropropane | ND | | 0.0030 | 0.0079 | 1 |
| 1,2,4-Trimethylbenzene | 0.021 | | 0.0038 | 0.0079 | 1 |
| 1,3,5-Trimethylbenzene | 0.0070 | J | 0.0043 | 0.0079 | 1 |
| Vinyl Chloride | ND | | 0.0024 | 0.0079 | 1 |
| Xylenes, Total | 0.089 | | 0.0040 | 0.0079 | 1 |

(Cont.)

NELAP 4033ORELAP

 Angela Rydelius, Lab Manager



Analytical Report

Client: ERAS Environmental, Inc.
Date Received: 8/31/16 17:15
Date Prepared: 8/31/16
Project: 14-002-03

WorkOrder: 1608F84
Extraction Method: SW5035
Analytical Method: SW8260B
Unit: mg/Kg

Volatile Organics [Encore Sampling]

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID | |
|----------------------|--------------|------------|------------------|------------|----------|------------------|
| B-1, 4' | 1608F84-007B | Soil | 08/30/2016 09:16 | GC10 | 126007 | |
| Analytes | Result | Qualifiers | MDL | RL | DF | Date Analyzed |
| Surrogates | REC (%) | Qualifiers | | Limits | | |
| Dibromofluoromethane | 101 | | | 70-130 | | 09/01/2016 13:21 |
| Toluene-d8 | 105 | | | 70-130 | | 09/01/2016 13:21 |
| 4-BFB | 300 | S | | 70-130 | | 09/01/2016 13:21 |
| Benzene-d6 | 89 | | | 60-140 | | 09/01/2016 13:21 |
| Ethylbenzene-d10 | 111 | | | 60-140 | | 09/01/2016 13:21 |
| 1,2-DCB-d4 | 90 | | | 60-140 | | 09/01/2016 13:21 |

Analyst(s): MW

Analytical Comments: c2,a9

(Cont.)

NELAP 4033ORELAP

 Angela Rydelius, Lab Manager



Analytical Report

Client: ERAS Environmental, Inc.
Date Received: 8/31/16 17:15
Date Prepared: 8/31/16
Project: 14-002-03

WorkOrder: 1608F84
Extraction Method: SW5035
Analytical Method: SW8260B
Unit: mg/Kg

Volatile Organics [Encore Sampling]

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|-------------------------------|---------------|-------------------|------------------|------------|-----------|
| B-2, 4' | 1608F84-009B | Soil | 08/30/2016 08:29 | GC10 | 126007 |
| <u>Analytes</u> | <u>Result</u> | <u>Qualifiers</u> | <u>MDL</u> | <u>RL</u> | <u>DF</u> |
| Acetone | ND | | 0.65 | 1.7 | 10 |
| tert-Amyl methyl ether (TAME) | ND | | 0.017 | 0.083 | 10 |
| Benzene | ND | | 0.027 | 0.083 | 10 |
| Bromobenzene | ND | | 0.028 | 0.083 | 10 |
| Bromo(chloromethane) | ND | | 0.025 | 0.083 | 10 |
| Bromo(dichloromethane) | ND | | 0.020 | 0.083 | 10 |
| Bromoform | ND | | 0.013 | 0.083 | 10 |
| Bromomethane | ND | | 0.033 | 0.083 | 10 |
| 2-Butanone (MEK) | ND | | 0.090 | 0.33 | 10 |
| t-Butyl alcohol (TBA) | ND | | 0.088 | 0.83 | 10 |
| n-Butyl benzene | ND | | 0.058 | 0.083 | 10 |
| sec-Butyl benzene | ND | | 0.056 | 0.083 | 10 |
| tert-Butyl benzene | 0.053 | J | 0.050 | 0.083 | 10 |
| Carbon Disulfide | ND | | 0.028 | 0.083 | 10 |
| Carbon Tetrachloride | ND | | 0.028 | 0.083 | 10 |
| Chlorobenzene | ND | | 0.030 | 0.083 | 10 |
| Chloroethane | ND | | 0.027 | 0.083 | 10 |
| Chloroform | ND | | 0.027 | 0.083 | 10 |
| Chloromethane | ND | | 0.028 | 0.083 | 10 |
| 2-Chlorotoluene | ND | | 0.037 | 0.083 | 10 |
| 4-Chlorotoluene | ND | | 0.035 | 0.083 | 10 |
| Dibromo(chloromethane) | ND | | 0.018 | 0.083 | 10 |
| 1,2-Dibromo-3-chloropropane | 0.030 | J | 0.020 | 0.066 | 10 |
| 1,2-Dibromoethane (EDB) | ND | | 0.022 | 0.066 | 10 |
| Dibromomethane | ND | | 0.023 | 0.083 | 10 |
| 1,2-Dichlorobenzene | ND | | 0.023 | 0.083 | 10 |
| 1,3-Dichlorobenzene | ND | | 0.030 | 0.083 | 10 |
| 1,4-Dichlorobenzene | ND | | 0.030 | 0.083 | 10 |
| Dichlorodifluoromethane | ND | | 0.018 | 0.083 | 10 |
| 1,1-Dichloroethane | ND | | 0.028 | 0.083 | 10 |
| 1,2-Dichloroethane (1,2-DCA) | ND | | 0.023 | 0.083 | 10 |
| 1,1-Dichloroethene | ND | | 0.028 | 0.083 | 10 |
| cis-1,2-Dichloroethene | ND | | 0.025 | 0.083 | 10 |
| trans-1,2-Dichloroethene | ND | | 0.027 | 0.083 | 10 |
| 1,2-Dichloropropane | ND | | 0.023 | 0.083 | 10 |
| 1,3-Dichloropropane | ND | | 0.027 | 0.083 | 10 |
| 2,2-Dichloropropane | ND | | 0.022 | 0.083 | 10 |

(Cont.)

NELAP 4033ORELAP

 Angela Rydelius, Lab Manager



Analytical Report

Client: ERAS Environmental, Inc.
Date Received: 8/31/16 17:15
Date Prepared: 8/31/16
Project: 14-002-03

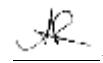
WorkOrder: 1608F84
Extraction Method: SW5035
Analytical Method: SW8260B
Unit: mg/Kg

Volatile Organics [Encore Sampling]

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|-------------------------------|---------------|-------------------|------------------|------------|-----------|
| B-2, 4' | 1608F84-009B | Soil | 08/30/2016 08:29 | GC10 | 126007 |
| <u>Analytes</u> | <u>Result</u> | <u>Qualifiers</u> | <u>MDL</u> | <u>RL</u> | <u>DF</u> |
| 1,1-Dichloropropene | ND | | 0.030 | 0.083 | 10 |
| cis-1,3-Dichloropropene | ND | | 0.025 | 0.083 | 10 |
| trans-1,3-Dichloropropene | ND | | 0.023 | 0.083 | 10 |
| Diisopropyl ether (DIPE) | ND | | 0.023 | 0.083 | 10 |
| Ethylbenzene | 3.0 | | 0.033 | 0.083 | 10 |
| Ethyl tert-butyl ether (ETBE) | ND | | 0.022 | 0.083 | 10 |
| Freon 113 | ND | | 0.027 | 0.083 | 10 |
| Hexachlorobutadiene | ND | | 0.083 | 0.083 | 10 |
| Hexachloroethane | 0.078 | J | 0.042 | 0.083 | 10 |
| 2-Hexanone | ND | | 0.042 | 0.083 | 10 |
| Isopropylbenzene | 0.070 | J | 0.037 | 0.083 | 10 |
| 4-Isopropyl toluene | ND | | 0.051 | 0.083 | 10 |
| Methyl-t-butyl ether (MTBE) | ND | | 0.022 | 0.083 | 10 |
| Methylene chloride | ND | | 0.060 | 0.083 | 10 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 0.013 | 0.083 | 10 |
| Naphthalene | 0.15 | | 0.010 | 0.083 | 10 |
| n-Propyl benzene | 0.12 | | 0.048 | 0.083 | 10 |
| Styrene | ND | | 0.023 | 0.083 | 10 |
| 1,1,1,2-Tetrachloroethane | ND | | 0.027 | 0.083 | 10 |
| 1,1,2,2-Tetrachloroethane | ND | | 0.022 | 0.083 | 10 |
| Tetrachloroethene | ND | | 0.038 | 0.083 | 10 |
| Toluene | ND | | 0.037 | 0.083 | 10 |
| 1,2,3-Trichlorobenzene | ND | | 0.012 | 0.083 | 10 |
| 1,2,4-Trichlorobenzene | ND | | 0.018 | 0.083 | 10 |
| 1,1,1-Trichloroethane | ND | | 0.030 | 0.083 | 10 |
| 1,1,2-Trichloroethane | ND | | 0.027 | 0.083 | 10 |
| Trichloroethene | ND | | 0.028 | 0.083 | 10 |
| Trichlorofluoromethane | ND | | 0.027 | 0.083 | 10 |
| 1,2,3-Trichloropropane | ND | | 0.032 | 0.083 | 10 |
| 1,2,4-Trimethylbenzene | 0.43 | | 0.040 | 0.083 | 10 |
| 1,3,5-Trimethylbenzene | 0.12 | | 0.045 | 0.083 | 10 |
| Vinyl Chloride | ND | | 0.025 | 0.083 | 10 |
| Xylenes, Total | 6.5 | | 0.042 | 0.083 | 10 |

(Cont.)

NELAP 4033ORELAP

 Angela Rydelius, Lab Manager



Analytical Report

Client: ERAS Environmental, Inc.
Date Received: 8/31/16 17:15
Date Prepared: 8/31/16
Project: 14-002-03

WorkOrder: 1608F84
Extraction Method: SW5035
Analytical Method: SW8260B
Unit: mg/Kg

Volatile Organics [Encore Sampling]

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID | |
|----------------------|-------------------------|------------|------------------|------------|----------|------------------|
| B-2, 4' | 1608F84-009B | Soil | 08/30/2016 08:29 | GC10 | 126007 | |
| Analytes | Result | Qualifiers | MDL | RL | DF | Date Analyzed |
| Surrogates | REC (%) | | | Limits | | |
| Dibromofluoromethane | 103 | | | 70-130 | | 09/02/2016 16:23 |
| Toluene-d8 | 98 | | | 70-130 | | 09/02/2016 16:23 |
| 4-BFB | 97 | | | 70-130 | | 09/02/2016 16:23 |
| Benzene-d6 | 85 | | | 60-140 | | 09/02/2016 16:23 |
| Ethylbenzene-d10 | 84 | | | 60-140 | | 09/02/2016 16:23 |
| 1,2-DCB-d4 | 102 | | | 60-140 | | 09/02/2016 16:23 |
| Analyst(s): KF | Analytical Comments: a9 | | | | | |



Analytical Report

Client: ERAS Environmental, Inc.
Date Received: 8/31/16 17:15
Date Prepared: 9/1/16
Project: 14-002-03

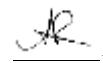
WorkOrder: 1608F84
Extraction Method: SW5030B
Analytical Method: SW8260B
Unit: µg/L

Volatile Organics

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|-------------------------------|---------------|-------------------|------------------|------------|-----------|
| B-5 | 1608F84-001A | Water | 08/30/2016 13:05 | GC16 | 126049 |
| <u>Analytes</u> | <u>Result</u> | <u>Qualifiers</u> | <u>MDL</u> | <u>RL</u> | <u>DF</u> |
| Acetone | ND | | 1.70 | 10 | 1 |
| tert-Amyl methyl ether (TAME) | ND | | 0.220 | 0.50 | 1 |
| Benzene | 0.10 | J | 0.0510 | 0.50 | 1 |
| Bromobenzene | ND | | 0.0600 | 0.50 | 1 |
| Bromoform | ND | | 0.0660 | 0.50 | 1 |
| Bromomethane | 0.42 | J | 0.160 | 0.50 | 1 |
| 2-Butanone (MEK) | ND | | 0.490 | 2.0 | 1 |
| t-Butyl alcohol (TBA) | ND | | 0.940 | 2.0 | 1 |
| n-Butyl benzene | 1.2 | | 0.0840 | 0.50 | 1 |
| sec-Butyl benzene | 6.9 | | 0.0600 | 0.50 | 1 |
| tert-Butyl benzene | 1.0 | | 0.0500 | 0.50 | 1 |
| Carbon Disulfide | 0.088 | J | 0.0660 | 0.50 | 1 |
| Carbon Tetrachloride | ND | | 0.0690 | 0.50 | 1 |
| Chlorobenzene | ND | | 0.0500 | 0.50 | 1 |
| Chloroethane | ND | | 0.310 | 0.50 | 1 |
| Chloroform | 0.14 | J | 0.0640 | 0.50 | 1 |
| Chloromethane | ND | | 0.130 | 0.50 | 1 |
| 2-Chlorotoluene | 0.15 | J | 0.0700 | 0.50 | 1 |
| 4-Chlorotoluene | ND | | 0.0700 | 0.50 | 1 |
| Dibromochloromethane | ND | | 0.0800 | 0.50 | 1 |
| 1,2-Dibromo-3-chloropropane | ND | | 0.120 | 0.20 | 1 |
| 1,2-Dibromoethane (EDB) | ND | | 0.120 | 0.50 | 1 |
| Dibromomethane | ND | | 0.0800 | 0.50 | 1 |
| 1,2-Dichlorobenzene | ND | | 0.0800 | 0.50 | 1 |
| 1,3-Dichlorobenzene | ND | | 0.0710 | 0.50 | 1 |
| 1,4-Dichlorobenzene | ND | | 0.0720 | 0.50 | 1 |
| Dichlorodifluoromethane | ND | | 0.0630 | 0.50 | 1 |
| 1,1-Dichloroethane | ND | | 0.0600 | 0.50 | 1 |
| 1,2-Dichloroethane (1,2-DCA) | ND | | 0.0900 | 0.50 | 1 |
| 1,1-Dichloroethene | ND | | 0.0860 | 0.50 | 1 |
| cis-1,2-Dichloroethene | ND | | 0.0500 | 0.50 | 1 |
| trans-1,2-Dichloroethene | ND | | 0.0600 | 0.50 | 1 |
| 1,2-Dichloropropane | ND | | 0.0550 | 0.50 | 1 |
| 1,3-Dichloropropane | ND | | 0.100 | 0.50 | 1 |
| 2,2-Dichloropropane | ND | | 0.100 | 0.50 | 1 |

(Cont.)

NELAP 4033ORELAP

 Angela Rydelius, Lab Manager



Analytical Report

Client: ERAS Environmental, Inc.
Date Received: 8/31/16 17:15
Date Prepared: 9/1/16
Project: 14-002-03

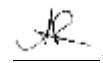
WorkOrder: 1608F84
Extraction Method: SW5030B
Analytical Method: SW8260B
Unit: µg/L

Volatile Organics

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|-------------------------------|---------------|-------------------|------------------|------------|-----------|
| B-5 | 1608F84-001A | Water | 08/30/2016 13:05 | GC16 | 126049 |
| <u>Analytes</u> | <u>Result</u> | <u>Qualifiers</u> | <u>MDL</u> | <u>RL</u> | <u>DF</u> |
| 1,1-Dichloropropene | ND | | 0.0600 | 0.50 | 1 |
| cis-1,3-Dichloropropene | ND | | 0.0900 | 0.50 | 1 |
| trans-1,3-Dichloropropene | ND | | 0.0700 | 0.50 | 1 |
| Diisopropyl ether (DIPE) | ND | | 0.0700 | 0.50 | 1 |
| Ethylbenzene | 0.44 | J | 0.0500 | 0.50 | 1 |
| Ethyl tert-butyl ether (ETBE) | ND | | 0.0700 | 0.50 | 1 |
| Freon 113 | ND | | 0.0660 | 0.50 | 1 |
| Hexachlorobutadiene | ND | | 0.0850 | 0.50 | 1 |
| Hexachloroethane | 0.082 | J | 0.0600 | 0.50 | 1 |
| 2-Hexanone | ND | | 0.440 | 0.50 | 1 |
| Isopropylbenzene | 1.6 | | 0.0700 | 0.50 | 1 |
| 4-Isopropyl toluene | 0.51 | | 0.0500 | 0.50 | 1 |
| Methyl-t-butyl ether (MTBE) | ND | | 0.100 | 0.50 | 1 |
| Methylene chloride | ND | | 0.0520 | 0.50 | 1 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 0.240 | 0.50 | 1 |
| Naphthalene | ND | | 0.160 | 0.50 | 1 |
| n-Propyl benzene | 0.39 | J | 0.0600 | 0.50 | 1 |
| Styrene | ND | | 0.0600 | 0.50 | 1 |
| 1,1,1,2-Tetrachloroethane | ND | | 0.0700 | 0.50 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 0.110 | 0.50 | 1 |
| Tetrachloroethene | ND | | 0.0820 | 0.50 | 1 |
| Toluene | 0.096 | J | 0.0400 | 0.50 | 1 |
| 1,2,3-Trichlorobenzene | ND | | 0.110 | 0.50 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 0.0860 | 0.50 | 1 |
| 1,1,1-Trichloroethane | ND | | 0.0500 | 0.50 | 1 |
| 1,1,2-Trichloroethane | ND | | 0.0800 | 0.50 | 1 |
| Trichloroethene | ND | | 0.0600 | 0.50 | 1 |
| Trichlorofluoromethane | ND | | 0.0470 | 0.50 | 1 |
| 1,2,3-Trichloropropane | ND | | 0.140 | 0.50 | 1 |
| 1,2,4-Trimethylbenzene | ND | | 0.0650 | 0.50 | 1 |
| 1,3,5-Trimethylbenzene | 0.16 | J | 0.0700 | 0.50 | 1 |
| Vinyl Chloride | ND | | 0.0700 | 0.50 | 1 |
| Xylenes, Total | ND | | 0.250 | 0.50 | 1 |

(Cont.)

NELAP 4033ORELAP

 Angela Rydelius, Lab Manager



Analytical Report

Client: ERAS Environmental, Inc.
Date Received: 8/31/16 17:15
Date Prepared: 9/1/16
Project: 14-002-03

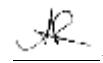
WorkOrder: 1608F84
Extraction Method: SW5030B
Analytical Method: SW8260B
Unit: µg/L

Volatile Organics

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID | |
|----------------------|-----------------------------------|------------|------------------|------------|----------|------------------|
| B-5 | 1608F84-001A | Water | 08/30/2016 13:05 | GC16 | 126049 | |
| Analytes | Result | Qualifiers | MDL | RL | DF | Date Analyzed |
| Surrogates | REC (%) | | | Limits | | |
| Dibromofluoromethane | 107 | | | 70-130 | | 09/01/2016 21:14 |
| Toluene-d8 | 106 | | | 70-130 | | 09/01/2016 21:14 |
| 4-BFB | 78 | | | 70-130 | | 09/01/2016 21:14 |
| Analyst(s): HK | <u>Analytical Comments:</u> c8,b6 | | | | | |

(Cont.)

NELAP 4033ORELAP

 Angela Rydelius, Lab Manager



Analytical Report

Client: ERAS Environmental, Inc.
Date Received: 8/31/16 17:15
Date Prepared: 9/1/16
Project: 14-002-03

WorkOrder: 1608F84
Extraction Method: SW5030B
Analytical Method: SW8260B
Unit: µg/L

Volatile Organics

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|-------------------------------|---------------|-------------------|------------------|------------|-----------|
| B-1 | 1608F84-006B | Water | 08/30/2016 10:19 | GC16 | 126049 |
| <u>Analytes</u> | <u>Result</u> | <u>Qualifiers</u> | <u>MDL</u> | <u>RL</u> | <u>DF</u> |
| Acetone | ND | | 8.50 | 50 | 5 |
| tert-Amyl methyl ether (TAME) | ND | | 1.10 | 2.5 | 5 |
| Benzene | 5.7 | | 0.255 | 2.5 | 5 |
| Bromobenzene | ND | | 0.300 | 2.5 | 5 |
| Bromoform | ND | | 0.330 | 2.5 | 5 |
| Bromomethane | 2.1 | J | 0.800 | 2.5 | 5 |
| 2-Butanone (MEK) | ND | | 2.45 | 10 | 5 |
| t-Butyl alcohol (TBA) | 33 | | 4.70 | 10 | 5 |
| n-Butyl benzene | 6.7 | | 0.420 | 2.5 | 5 |
| sec-Butyl benzene | 2.9 | | 0.300 | 2.5 | 5 |
| tert-Butyl benzene | 1.5 | J | 0.250 | 2.5 | 5 |
| Carbon Disulfide | ND | | 0.330 | 2.5 | 5 |
| Carbon Tetrachloride | ND | | 0.345 | 2.5 | 5 |
| Chlorobenzene | ND | | 0.250 | 2.5 | 5 |
| Chloroethane | ND | | 1.55 | 2.5 | 5 |
| Chloroform | 0.78 | J | 0.320 | 2.5 | 5 |
| Chloromethane | ND | | 0.650 | 2.5 | 5 |
| 2-Chlorotoluene | ND | | 0.350 | 2.5 | 5 |
| 4-Chlorotoluene | ND | | 0.350 | 2.5 | 5 |
| Dibromochloromethane | ND | | 0.400 | 2.5 | 5 |
| 1,2-Dibromo-3-chloropropane | ND | | 0.600 | 1.0 | 5 |
| 1,2-Dibromoethane (EDB) | ND | | 0.600 | 2.5 | 5 |
| Dibromomethane | ND | | 0.400 | 2.5 | 5 |
| 1,2-Dichlorobenzene | ND | | 0.400 | 2.5 | 5 |
| 1,3-Dichlorobenzene | ND | | 0.355 | 2.5 | 5 |
| 1,4-Dichlorobenzene | ND | | 0.360 | 2.5 | 5 |
| Dichlorodifluoromethane | ND | | 0.315 | 2.5 | 5 |
| 1,1-Dichloroethane | ND | | 0.300 | 2.5 | 5 |
| 1,2-Dichloroethane (1,2-DCA) | ND | | 0.450 | 2.5 | 5 |
| 1,1-Dichloroethene | ND | | 0.430 | 2.5 | 5 |
| cis-1,2-Dichloroethene | ND | | 0.250 | 2.5 | 5 |
| trans-1,2-Dichloroethene | ND | | 0.300 | 2.5 | 5 |
| 1,2-Dichloropropane | 1.4 | J | 0.275 | 2.5 | 5 |
| 1,3-Dichloropropane | ND | | 0.500 | 2.5 | 5 |
| 2,2-Dichloropropane | ND | | 0.500 | 2.5 | 5 |

(Cont.)

NELAP 4033ORELAP

 Angela Rydelius, Lab Manager



Analytical Report

Client: ERAS Environmental, Inc.
Date Received: 8/31/16 17:15
Date Prepared: 9/1/16
Project: 14-002-03

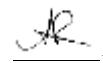
WorkOrder: 1608F84
Extraction Method: SW5030B
Analytical Method: SW8260B
Unit: µg/L

Volatile Organics

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|-------------------------------|---------------|-------------------|------------------|------------|-----------|
| B-1 | 1608F84-006B | Water | 08/30/2016 10:19 | GC16 | 126049 |
| <u>Analytes</u> | <u>Result</u> | <u>Qualifiers</u> | <u>MDL</u> | <u>RL</u> | <u>DF</u> |
| 1,1-Dichloropropene | ND | | 0.300 | 2.5 | 5 |
| cis-1,3-Dichloropropene | ND | | 0.450 | 2.5 | 5 |
| trans-1,3-Dichloropropene | ND | | 0.350 | 2.5 | 5 |
| Diisopropyl ether (DIPE) | ND | | 0.350 | 2.5 | 5 |
| Ethylbenzene | 85 | | 0.250 | 2.5 | 5 |
| Ethyl tert-butyl ether (ETBE) | ND | | 0.350 | 2.5 | 5 |
| Freon 113 | ND | | 0.330 | 2.5 | 5 |
| Hexachlorobutadiene | ND | | 0.425 | 2.5 | 5 |
| Hexachloroethane | ND | | 0.300 | 2.5 | 5 |
| 2-Hexanone | ND | | 2.20 | 2.5 | 5 |
| Isopropylbenzene | 27 | | 0.350 | 2.5 | 5 |
| 4-Isopropyl toluene | 0.67 | J | 0.250 | 2.5 | 5 |
| Methyl-t-butyl ether (MTBE) | ND | | 0.500 | 2.5 | 5 |
| Methylene chloride | ND | | 0.260 | 2.5 | 5 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 1.20 | 2.5 | 5 |
| Naphthalene | 6.0 | | 0.800 | 2.5 | 5 |
| n-Propyl benzene | 13 | | 0.300 | 2.5 | 5 |
| Styrene | 0.59 | J | 0.300 | 2.5 | 5 |
| 1,1,1,2-Tetrachloroethane | ND | | 0.350 | 2.5 | 5 |
| 1,1,2,2-Tetrachloroethane | ND | | 0.550 | 2.5 | 5 |
| Tetrachloroethene | ND | | 0.410 | 2.5 | 5 |
| Toluene | 4.5 | | 0.200 | 2.5 | 5 |
| 1,2,3-Trichlorobenzene | ND | | 0.550 | 2.5 | 5 |
| 1,2,4-Trichlorobenzene | ND | | 0.430 | 2.5 | 5 |
| 1,1,1-Trichloroethane | ND | | 0.250 | 2.5 | 5 |
| 1,1,2-Trichloroethane | 1.2 | J | 0.400 | 2.5 | 5 |
| Trichloroethene | ND | | 0.300 | 2.5 | 5 |
| Trichlorofluoromethane | ND | | 0.235 | 2.5 | 5 |
| 1,2,3-Trichloropropane | ND | | 0.700 | 2.5 | 5 |
| 1,2,4-Trimethylbenzene | 11 | | 0.325 | 2.5 | 5 |
| 1,3,5-Trimethylbenzene | 1.2 | J | 0.350 | 2.5 | 5 |
| Vinyl Chloride | ND | | 0.350 | 2.5 | 5 |
| Xylenes, Total | 73 | | 1.25 | 2.5 | 5 |

(Cont.)

NELAP 4033ORELAP

 Angela Rydelius, Lab Manager



Analytical Report

Client: ERAS Environmental, Inc.
Date Received: 8/31/16 17:15
Date Prepared: 9/1/16
Project: 14-002-03

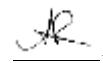
WorkOrder: 1608F84
Extraction Method: SW5030B
Analytical Method: SW8260B
Unit: µg/L

Volatile Organics

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID | |
|----------------------|--------------|------------|------------------|-------------------------|----------|------------------|
| B-1 | 1608F84-006B | Water | 08/30/2016 10:19 | GC16 | 126049 | |
| Analytes | Result | Qualifiers | MDL | RL | DF | Date Analyzed |
| Surrogates | REC (%) | | | Limits | | |
| Dibromofluoromethane | 104 | | | 70-130 | | 09/01/2016 20:34 |
| Toluene-d8 | 105 | | | 70-130 | | 09/01/2016 20:34 |
| 4-BFB | 111 | | | 70-130 | | 09/01/2016 20:34 |
| Analyst(s): HK | | | | Analytical Comments: c8 | | |

(Cont.)

NELAP 4033ORELAP

 Angela Rydelius, Lab Manager



Analytical Report

Client: ERAS Environmental, Inc.
Date Received: 8/31/16 17:15
Date Prepared: 9/1/16
Project: 14-002-03

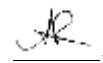
WorkOrder: 1608F84
Extraction Method: SW5030B
Analytical Method: SW8260B
Unit: µg/L

Volatile Organics

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|-------------------------------|---------------|-------------------|------------------|------------|-----------|
| B-2 | 1608F84-008B | Water | 08/30/2016 09:10 | GC16 | 126049 |
| <u>Analytes</u> | <u>Result</u> | <u>Qualifiers</u> | <u>MDL</u> | <u>RL</u> | <u>DF</u> |
| Acetone | ND | | 170 | 1000 | 100 |
| tert-Amyl methyl ether (TAME) | ND | | 22.0 | 50 | 100 |
| Benzene | ND | | 5.10 | 50 | 100 |
| Bromobenzene | ND | | 6.00 | 50 | 100 |
| Bromoform | ND | | 9.00 | 50 | 100 |
| Bromochloromethane | ND | | 20.0 | 50 | 100 |
| Bromodichloromethane | ND | | 6.60 | 50 | 100 |
| Bromomethane | 47 | J | 16.0 | 50 | 100 |
| 2-Butanone (MEK) | ND | | 49.0 | 200 | 100 |
| t-Butyl alcohol (TBA) | ND | | 94.0 | 200 | 100 |
| n-Butyl benzene | 25 | J | 8.40 | 50 | 100 |
| sec-Butyl benzene | 7.7 | J | 6.00 | 50 | 100 |
| tert-Butyl benzene | ND | | 5.00 | 50 | 100 |
| Carbon Disulfide | ND | | 6.60 | 50 | 100 |
| Carbon Tetrachloride | ND | | 6.90 | 50 | 100 |
| Chlorobenzene | ND | | 5.00 | 50 | 100 |
| Chloroethane | ND | | 31.0 | 50 | 100 |
| Chloroform | ND | | 6.40 | 50 | 100 |
| Chloromethane | ND | | 13.0 | 50 | 100 |
| 2-Chlorotoluene | ND | | 7.00 | 50 | 100 |
| 4-Chlorotoluene | ND | | 7.00 | 50 | 100 |
| Dibromochloromethane | ND | | 8.00 | 50 | 100 |
| 1,2-Dibromo-3-chloropropane | ND | | 12.0 | 20 | 100 |
| 1,2-Dibromoethane (EDB) | ND | | 12.0 | 50 | 100 |
| Dibromomethane | ND | | 8.00 | 50 | 100 |
| 1,2-Dichlorobenzene | ND | | 8.00 | 50 | 100 |
| 1,3-Dichlorobenzene | ND | | 7.10 | 50 | 100 |
| 1,4-Dichlorobenzene | ND | | 7.20 | 50 | 100 |
| Dichlorodifluoromethane | ND | | 6.30 | 50 | 100 |
| 1,1-Dichloroethane | ND | | 6.00 | 50 | 100 |
| 1,2-Dichloroethane (1,2-DCA) | ND | | 9.00 | 50 | 100 |
| 1,1-Dichloroethene | ND | | 8.60 | 50 | 100 |
| cis-1,2-Dichloroethene | ND | | 5.00 | 50 | 100 |
| trans-1,2-Dichloroethene | ND | | 6.00 | 50 | 100 |
| 1,2-Dichloropropane | ND | | 5.50 | 50 | 100 |
| 1,3-Dichloropropane | ND | | 10.0 | 50 | 100 |
| 2,2-Dichloropropane | ND | | 10.0 | 50 | 100 |

(Cont.)

NELAP 4033ORELAP

 Angela Rydelius, Lab Manager



Analytical Report

Client: ERAS Environmental, Inc.
Date Received: 8/31/16 17:15
Date Prepared: 9/1/16
Project: 14-002-03

WorkOrder: 1608F84
Extraction Method: SW5030B
Analytical Method: SW8260B
Unit: µg/L

Volatile Organics

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|-------------------------------|---------------|-------------------|------------------|------------|-----------|
| B-2 | 1608F84-008B | Water | 08/30/2016 09:10 | GC16 | 126049 |
| <u>Analytes</u> | <u>Result</u> | <u>Qualifiers</u> | <u>MDL</u> | <u>RL</u> | <u>DF</u> |
| 1,1-Dichloropropene | ND | | 6.00 | 50 | 100 |
| cis-1,3-Dichloropropene | ND | | 9.00 | 50 | 100 |
| trans-1,3-Dichloropropene | ND | | 7.00 | 50 | 100 |
| Diisopropyl ether (DIPE) | ND | | 7.00 | 50 | 100 |
| Ethylbenzene | 1900 | | 5.00 | 50 | 100 |
| Ethyl tert-butyl ether (ETBE) | ND | | 7.00 | 50 | 100 |
| Freon 113 | ND | | 6.60 | 50 | 100 |
| Hexachlorobutadiene | ND | | 8.50 | 50 | 100 |
| Hexachloroethane | 28 | J | 6.00 | 50 | 100 |
| 2-Hexanone | ND | | 44.0 | 50 | 100 |
| Isopropylbenzene | 52 | | 7.00 | 50 | 100 |
| 4-Isopropyl toluene | 8.8 | J | 5.00 | 50 | 100 |
| Methyl-t-butyl ether (MTBE) | ND | | 10.0 | 50 | 100 |
| Methylene chloride | ND | | 5.20 | 50 | 100 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 24.0 | 50 | 100 |
| Naphthalene | 82 | | 16.0 | 50 | 100 |
| n-Propyl benzene | 83 | | 6.00 | 50 | 100 |
| Styrene | 14 | J | 6.00 | 50 | 100 |
| 1,1,1,2-Tetrachloroethane | ND | | 7.00 | 50 | 100 |
| 1,1,2,2-Tetrachloroethane | ND | | 11.0 | 50 | 100 |
| Tetrachloroethene | ND | | 8.20 | 50 | 100 |
| Toluene | 6.7 | J | 4.00 | 50 | 100 |
| 1,2,3-Trichlorobenzene | ND | | 11.0 | 50 | 100 |
| 1,2,4-Trichlorobenzene | ND | | 8.60 | 50 | 100 |
| 1,1,1-Trichloroethane | ND | | 5.00 | 50 | 100 |
| 1,1,2-Trichloroethane | 30 | J | 8.00 | 50 | 100 |
| Trichloroethene | ND | | 6.00 | 50 | 100 |
| Trichlorofluoromethane | ND | | 4.70 | 50 | 100 |
| 1,2,3-Trichloropropane | ND | | 14.0 | 50 | 100 |
| 1,2,4-Trimethylbenzene | 480 | | 6.50 | 50 | 100 |
| 1,3,5-Trimethylbenzene | 100 | | 7.00 | 50 | 100 |
| Vinyl Chloride | ND | | 7.00 | 50 | 100 |
| Xylenes, Total | 3400 | | 25.0 | 50 | 100 |

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NELAP 4033ORELAP

 Angela Rydelius, Lab Manager



Analytical Report

Client: ERAS Environmental, Inc.
Date Received: 8/31/16 17:15
Date Prepared: 9/1/16
Project: 14-002-03

WorkOrder: 1608F84
Extraction Method: SW5030B
Analytical Method: SW8260B
Unit: µg/L

Volatile Organics

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID | |
|----------------------|--------------|------------|------------------|-------------------------|----------|------------------|
| B-2 | 1608F84-008B | Water | 08/30/2016 09:10 | GC16 | 126049 | |
| Analytes | Result | Qualifiers | MDL | RL | DF | Date Analyzed |
| Surrogates | REC (%) | | | Limits | | |
| Dibromofluoromethane | 104 | | | 70-130 | | 09/01/2016 19:53 |
| Toluene-d8 | 107 | | | 70-130 | | 09/01/2016 19:53 |
| 4-BFB | 107 | | | 70-130 | | 09/01/2016 19:53 |
| Analyst(s): HK | | | | Analytical Comments: c8 | | |



Analytical Report

Client: ERAS Environmental, Inc.
Date Received: 8/31/16 17:15
Date Prepared: 9/1/16
Project: 14-002-03

WorkOrder: 1608F84
Extraction Method: SW3550B
Analytical Method: SW8270C
Unit: mg/Kg

Semi-Volatile Organics

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|-------------------------------|---------------|------------|------------------|------------|----------------------|
| B-5, 3.5-4' | 1608F84-002A | Soil | 08/30/2016 11:53 | GC21 | 126010 |
| <u>Analytes</u> | <u>Result</u> | <u>MDL</u> | <u>RL</u> | <u>DF</u> | <u>Date Analyzed</u> |
| Acenaphthene | ND | 0.14 | 0.25 | 1 | 09/02/2016 13:28 |
| Acenaphthylene | ND | 0.14 | 0.25 | 1 | 09/02/2016 13:28 |
| Acetochlor | ND | 0.25 | 0.25 | 1 | 09/02/2016 13:28 |
| Anthracene | ND | 0.14 | 0.25 | 1 | 09/02/2016 13:28 |
| Benzidine | ND | 0.23 | 1.3 | 1 | 09/02/2016 13:28 |
| Benzo (a) anthracene | ND | 0.14 | 0.25 | 1 | 09/02/2016 13:28 |
| Benzo (a) pyrene | ND | 0.14 | 0.25 | 1 | 09/02/2016 13:28 |
| Benzo (b) fluoranthene | ND | 0.14 | 0.25 | 1 | 09/02/2016 13:28 |
| Benzo (g,h,i) perylene | ND | 0.15 | 0.25 | 1 | 09/02/2016 13:28 |
| Benzo (k) fluoranthene | ND | 0.16 | 0.25 | 1 | 09/02/2016 13:28 |
| Benzyl Alcohol | ND | 0.51 | 1.3 | 1 | 09/02/2016 13:28 |
| 1,1-Biphenyl | ND | 0.15 | 0.25 | 1 | 09/02/2016 13:28 |
| Bis (2-chloroethoxy) Methane | ND | 0.14 | 0.25 | 1 | 09/02/2016 13:28 |
| Bis (2-chloroethyl) Ether | ND | 0.13 | 0.25 | 1 | 09/02/2016 13:28 |
| Bis (2-chloroisopropyl) Ether | ND | 0.12 | 0.25 | 1 | 09/02/2016 13:28 |
| Bis (2-ethylhexyl) Adipate | ND | 0.25 | 0.25 | 1 | 09/02/2016 13:28 |
| Bis (2-ethylhexyl) Phthalate | ND | 0.13 | 0.25 | 1 | 09/02/2016 13:28 |
| 4-Bromophenyl Phenyl Ether | ND | 0.16 | 0.25 | 1 | 09/02/2016 13:28 |
| Butylbenzyl Phthalate | ND | 0.13 | 0.25 | 1 | 09/02/2016 13:28 |
| 4-Chloroaniline | ND | 0.13 | 0.50 | 1 | 09/02/2016 13:28 |
| 4-Chloro-3-methylphenol | ND | 0.12 | 0.25 | 1 | 09/02/2016 13:28 |
| 2-Chloronaphthalene | ND | 0.16 | 0.25 | 1 | 09/02/2016 13:28 |
| 2-Chlorophenol | ND | 0.14 | 0.25 | 1 | 09/02/2016 13:28 |
| 4-Chlorophenyl Phenyl Ether | ND | 0.15 | 0.25 | 1 | 09/02/2016 13:28 |
| Chrysene | ND | 0.14 | 0.25 | 1 | 09/02/2016 13:28 |
| Dibenzo (a,h) anthracene | ND | 0.16 | 0.25 | 1 | 09/02/2016 13:28 |
| Dibenzofuran | ND | 0.13 | 0.25 | 1 | 09/02/2016 13:28 |
| Di-n-butyl Phthalate | ND | 0.13 | 0.25 | 1 | 09/02/2016 13:28 |
| 1,2-Dichlorobenzene | ND | 0.12 | 0.25 | 1 | 09/02/2016 13:28 |
| 1,3-Dichlorobenzene | ND | 0.14 | 0.25 | 1 | 09/02/2016 13:28 |
| 1,4-Dichlorobenzene | ND | 0.13 | 0.25 | 1 | 09/02/2016 13:28 |
| 3,3-Dichlorobenzidine | ND | 0.12 | 0.50 | 1 | 09/02/2016 13:28 |
| 2,4-Dichlorophenol | ND | 0.13 | 0.25 | 1 | 09/02/2016 13:28 |
| Diethyl Phthalate | ND | 0.14 | 0.25 | 1 | 09/02/2016 13:28 |
| 2,4-Dimethylphenol | ND | 0.13 | 0.25 | 1 | 09/02/2016 13:28 |
| Dimethyl Phthalate | ND | 0.14 | 0.25 | 1 | 09/02/2016 13:28 |
| 4,6-Dinitro-2-methylphenol | ND | 0.13 | 1.3 | 1 | 09/02/2016 13:28 |

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NELAP 4033ORELAP

 Angela Rydelius, Lab Manager



Analytical Report

Client: ERAS Environmental, Inc.
Date Received: 8/31/16 17:15
Date Prepared: 9/1/16
Project: 14-002-03

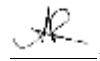
WorkOrder: 1608F84
Extraction Method: SW3550B
Analytical Method: SW8270C
Unit: mg/Kg

Semi-Volatile Organics

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|---------------------------------|---------------|------------|------------------|------------|----------------------|
| B-5, 3.5-4' | 1608F84-002A | Soil | 08/30/2016 11:53 | GC21 | 126010 |
| <u>Analytes</u> | <u>Result</u> | <u>MDL</u> | <u>RL</u> | <u>DF</u> | <u>Date Analyzed</u> |
| 2,4-Dinitrophenol | ND | 1.3 | 6.3 | 1 | 09/02/2016 13:28 |
| 2,4-Dinitrotoluene | ND | 0.13 | 0.25 | 1 | 09/02/2016 13:28 |
| 2,6-Dinitrotoluene | ND | 0.14 | 0.25 | 1 | 09/02/2016 13:28 |
| Di-n-octyl Phthalate | ND | 0.14 | 0.50 | 1 | 09/02/2016 13:28 |
| 1,2-Diphenylhydrazine | ND | 0.16 | 0.25 | 1 | 09/02/2016 13:28 |
| Fluoranthene | ND | 0.13 | 0.25 | 1 | 09/02/2016 13:28 |
| Fluorene | ND | 0.14 | 0.25 | 1 | 09/02/2016 13:28 |
| Hexachlorobenzene | ND | 0.17 | 0.25 | 1 | 09/02/2016 13:28 |
| Hexachlorobutadiene | ND | 0.15 | 0.25 | 1 | 09/02/2016 13:28 |
| Hexachlorocyclopentadiene | ND | 0.73 | 1.3 | 1 | 09/02/2016 13:28 |
| Hexachloroethane | ND | 0.14 | 0.25 | 1 | 09/02/2016 13:28 |
| Indeno (1,2,3-cd) pyrene | ND | 0.14 | 0.25 | 1 | 09/02/2016 13:28 |
| Isophorone | ND | 0.12 | 0.25 | 1 | 09/02/2016 13:28 |
| 2-Methylnaphthalene | ND | 0.14 | 0.25 | 1 | 09/02/2016 13:28 |
| 2-Methylphenol (o-Cresol) | ND | 0.14 | 0.25 | 1 | 09/02/2016 13:28 |
| 3 & 4-Methylphenol (m,p-Cresol) | ND | 0.12 | 0.25 | 1 | 09/02/2016 13:28 |
| Naphthalene | ND | 0.13 | 0.25 | 1 | 09/02/2016 13:28 |
| 2-Nitroaniline | ND | 0.62 | 1.3 | 1 | 09/02/2016 13:28 |
| 3-Nitroaniline | ND | 0.59 | 1.3 | 1 | 09/02/2016 13:28 |
| 4-Nitroaniline | ND | 0.55 | 1.3 | 1 | 09/02/2016 13:28 |
| Nitrobenzene | ND | 0.14 | 0.25 | 1 | 09/02/2016 13:28 |
| 2-Nitrophenol | ND | 0.64 | 1.3 | 1 | 09/02/2016 13:28 |
| 4-Nitrophenol | ND | 0.41 | 1.3 | 1 | 09/02/2016 13:28 |
| N-Nitrosodiphenylamine | ND | 0.16 | 0.25 | 1 | 09/02/2016 13:28 |
| N-Nitrosodi-n-propylamine | ND | 0.13 | 0.25 | 1 | 09/02/2016 13:28 |
| Pentachlorophenol | ND | 0.32 | 1.3 | 1 | 09/02/2016 13:28 |
| Phenanthrene | ND | 0.14 | 0.25 | 1 | 09/02/2016 13:28 |
| Phenol | ND | 0.12 | 0.25 | 1 | 09/02/2016 13:28 |
| Pyrene | ND | 0.13 | 0.25 | 1 | 09/02/2016 13:28 |
| 1,2,4-Trichlorobenzene | ND | 0.14 | 0.25 | 1 | 09/02/2016 13:28 |
| 2,4,5-Trichlorophenol | ND | 0.12 | 0.25 | 1 | 09/02/2016 13:28 |
| 2,4,6-Trichlorophenol | ND | 0.14 | 0.25 | 1 | 09/02/2016 13:28 |

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NELAP 4033ORELAP

 Angela Rydelius, Lab Manager



Analytical Report

Client: ERAS Environmental, Inc.
Date Received: 8/31/16 17:15
Date Prepared: 9/1/16
Project: 14-002-03

WorkOrder: 1608F84
Extraction Method: SW3550B
Analytical Method: SW8270C
Unit: mg/Kg

Semi-Volatile Organics

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|----------------------|--------------|--------|------------------|------------|------------------|
| B-5, 3.5-4' | 1608F84-002A | Soil | 08/30/2016 11:53 | GC21 | 126010 |
| Analytes | Result | MDL | RL | DF | Date Analyzed |
| Surrogates | REC (%) | | Limits | | |
| 2-Fluorophenol | 74 | | 30-130 | | 09/02/2016 13:28 |
| Phenol-d5 | 68 | | 30-130 | | 09/02/2016 13:28 |
| Nitrobenzene-d5 | 63 | | 30-130 | | 09/02/2016 13:28 |
| 2-Fluorobiphenyl | 63 | | 30-130 | | 09/02/2016 13:28 |
| 2,4,6-Tribromophenol | 57 | | 16-130 | | 09/02/2016 13:28 |
| 4-Terphenyl-d14 | 64 | | 30-130 | | 09/02/2016 13:28 |

Analyst(s): REB

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NELAP 4033ORELAP

 Angela Rydelius, Lab Manager



Analytical Report

Client: ERAS Environmental, Inc.
Date Received: 8/31/16 17:15
Date Prepared: 9/1/16
Project: 14-002-03

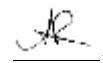
WorkOrder: 1608F84
Extraction Method: SW3550B
Analytical Method: SW8270C
Unit: mg/Kg

Semi-Volatile Organics

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|-------------------------------|---------------|------------|------------------|------------|----------------------|
| B-5, 9.5-10' | 1608F84-003A | Soil | 08/30/2016 12:08 | GC21 | 126010 |
| <u>Analytes</u> | <u>Result</u> | <u>MDL</u> | <u>RL</u> | <u>DF</u> | <u>Date Analyzed</u> |
| Acenaphthene | ND | 0.14 | 0.25 | 1 | 09/02/2016 13:56 |
| Acenaphthylene | ND | 0.14 | 0.25 | 1 | 09/02/2016 13:56 |
| Acetochlor | ND | 0.25 | 0.25 | 1 | 09/02/2016 13:56 |
| Anthracene | ND | 0.14 | 0.25 | 1 | 09/02/2016 13:56 |
| Benzidine | ND | 0.23 | 1.3 | 1 | 09/02/2016 13:56 |
| Benzo (a) anthracene | ND | 0.14 | 0.25 | 1 | 09/02/2016 13:56 |
| Benzo (a) pyrene | ND | 0.14 | 0.25 | 1 | 09/02/2016 13:56 |
| Benzo (b) fluoranthene | ND | 0.14 | 0.25 | 1 | 09/02/2016 13:56 |
| Benzo (g,h,i) perylene | ND | 0.15 | 0.25 | 1 | 09/02/2016 13:56 |
| Benzo (k) fluoranthene | ND | 0.16 | 0.25 | 1 | 09/02/2016 13:56 |
| Benzyl Alcohol | ND | 0.51 | 1.3 | 1 | 09/02/2016 13:56 |
| 1,1-Biphenyl | ND | 0.15 | 0.25 | 1 | 09/02/2016 13:56 |
| Bis (2-chloroethoxy) Methane | ND | 0.14 | 0.25 | 1 | 09/02/2016 13:56 |
| Bis (2-chloroethyl) Ether | ND | 0.13 | 0.25 | 1 | 09/02/2016 13:56 |
| Bis (2-chloroisopropyl) Ether | ND | 0.12 | 0.25 | 1 | 09/02/2016 13:56 |
| Bis (2-ethylhexyl) Adipate | ND | 0.25 | 0.25 | 1 | 09/02/2016 13:56 |
| Bis (2-ethylhexyl) Phthalate | ND | 0.13 | 0.25 | 1 | 09/02/2016 13:56 |
| 4-Bromophenyl Phenyl Ether | ND | 0.16 | 0.25 | 1 | 09/02/2016 13:56 |
| Butylbenzyl Phthalate | ND | 0.13 | 0.25 | 1 | 09/02/2016 13:56 |
| 4-Chloroaniline | ND | 0.13 | 0.50 | 1 | 09/02/2016 13:56 |
| 4-Chloro-3-methylphenol | ND | 0.12 | 0.25 | 1 | 09/02/2016 13:56 |
| 2-Chloronaphthalene | ND | 0.16 | 0.25 | 1 | 09/02/2016 13:56 |
| 2-Chlorophenol | ND | 0.14 | 0.25 | 1 | 09/02/2016 13:56 |
| 4-Chlorophenyl Phenyl Ether | ND | 0.15 | 0.25 | 1 | 09/02/2016 13:56 |
| Chrysene | ND | 0.14 | 0.25 | 1 | 09/02/2016 13:56 |
| Dibenzo (a,h) anthracene | ND | 0.16 | 0.25 | 1 | 09/02/2016 13:56 |
| Dibenzofuran | ND | 0.13 | 0.25 | 1 | 09/02/2016 13:56 |
| Di-n-butyl Phthalate | ND | 0.13 | 0.25 | 1 | 09/02/2016 13:56 |
| 1,2-Dichlorobenzene | ND | 0.12 | 0.25 | 1 | 09/02/2016 13:56 |
| 1,3-Dichlorobenzene | ND | 0.14 | 0.25 | 1 | 09/02/2016 13:56 |
| 1,4-Dichlorobenzene | ND | 0.13 | 0.25 | 1 | 09/02/2016 13:56 |
| 3,3-Dichlorobenzidine | ND | 0.12 | 0.50 | 1 | 09/02/2016 13:56 |
| 2,4-Dichlorophenol | ND | 0.13 | 0.25 | 1 | 09/02/2016 13:56 |
| Diethyl Phthalate | ND | 0.14 | 0.25 | 1 | 09/02/2016 13:56 |
| 2,4-Dimethylphenol | ND | 0.13 | 0.25 | 1 | 09/02/2016 13:56 |
| Dimethyl Phthalate | ND | 0.14 | 0.25 | 1 | 09/02/2016 13:56 |
| 4,6-Dinitro-2-methylphenol | ND | 0.13 | 1.3 | 1 | 09/02/2016 13:56 |

(Cont.)

NELAP 4033ORELAP

 Angela Rydelius, Lab Manager



Analytical Report

Client: ERAS Environmental, Inc.
Date Received: 8/31/16 17:15
Date Prepared: 9/1/16
Project: 14-002-03

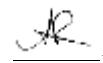
WorkOrder: 1608F84
Extraction Method: SW3550B
Analytical Method: SW8270C
Unit: mg/Kg

Semi-Volatile Organics

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|---------------------------------|---------------|------------|------------------|------------|----------------------|
| B-5, 9.5-10' | 1608F84-003A | Soil | 08/30/2016 12:08 | GC21 | 126010 |
| <u>Analytes</u> | <u>Result</u> | <u>MDL</u> | <u>RL</u> | <u>DF</u> | <u>Date Analyzed</u> |
| 2,4-Dinitrophenol | ND | 1.3 | 6.3 | 1 | 09/02/2016 13:56 |
| 2,4-Dinitrotoluene | ND | 0.13 | 0.25 | 1 | 09/02/2016 13:56 |
| 2,6-Dinitrotoluene | ND | 0.14 | 0.25 | 1 | 09/02/2016 13:56 |
| Di-n-octyl Phthalate | ND | 0.14 | 0.50 | 1 | 09/02/2016 13:56 |
| 1,2-Diphenylhydrazine | ND | 0.16 | 0.25 | 1 | 09/02/2016 13:56 |
| Fluoranthene | ND | 0.13 | 0.25 | 1 | 09/02/2016 13:56 |
| Fluorene | ND | 0.14 | 0.25 | 1 | 09/02/2016 13:56 |
| Hexachlorobenzene | ND | 0.17 | 0.25 | 1 | 09/02/2016 13:56 |
| Hexachlorobutadiene | ND | 0.15 | 0.25 | 1 | 09/02/2016 13:56 |
| Hexachlorocyclopentadiene | ND | 0.73 | 1.3 | 1 | 09/02/2016 13:56 |
| Hexachloroethane | ND | 0.14 | 0.25 | 1 | 09/02/2016 13:56 |
| Indeno (1,2,3-cd) pyrene | ND | 0.14 | 0.25 | 1 | 09/02/2016 13:56 |
| Isophorone | ND | 0.12 | 0.25 | 1 | 09/02/2016 13:56 |
| 2-Methylnaphthalene | ND | 0.14 | 0.25 | 1 | 09/02/2016 13:56 |
| 2-Methylphenol (o-Cresol) | ND | 0.14 | 0.25 | 1 | 09/02/2016 13:56 |
| 3 & 4-Methylphenol (m,p-Cresol) | ND | 0.12 | 0.25 | 1 | 09/02/2016 13:56 |
| Naphthalene | ND | 0.13 | 0.25 | 1 | 09/02/2016 13:56 |
| 2-Nitroaniline | ND | 0.62 | 1.3 | 1 | 09/02/2016 13:56 |
| 3-Nitroaniline | ND | 0.59 | 1.3 | 1 | 09/02/2016 13:56 |
| 4-Nitroaniline | ND | 0.55 | 1.3 | 1 | 09/02/2016 13:56 |
| Nitrobenzene | ND | 0.14 | 0.25 | 1 | 09/02/2016 13:56 |
| 2-Nitrophenol | ND | 0.64 | 1.3 | 1 | 09/02/2016 13:56 |
| 4-Nitrophenol | ND | 0.41 | 1.3 | 1 | 09/02/2016 13:56 |
| N-Nitrosodiphenylamine | ND | 0.16 | 0.25 | 1 | 09/02/2016 13:56 |
| N-Nitrosodi-n-propylamine | ND | 0.13 | 0.25 | 1 | 09/02/2016 13:56 |
| Pentachlorophenol | ND | 0.32 | 1.3 | 1 | 09/02/2016 13:56 |
| Phenanthrene | ND | 0.14 | 0.25 | 1 | 09/02/2016 13:56 |
| Phenol | ND | 0.12 | 0.25 | 1 | 09/02/2016 13:56 |
| Pyrene | ND | 0.13 | 0.25 | 1 | 09/02/2016 13:56 |
| 1,2,4-Trichlorobenzene | ND | 0.14 | 0.25 | 1 | 09/02/2016 13:56 |
| 2,4,5-Trichlorophenol | ND | 0.12 | 0.25 | 1 | 09/02/2016 13:56 |
| 2,4,6-Trichlorophenol | ND | 0.14 | 0.25 | 1 | 09/02/2016 13:56 |

(Cont.)

NELAP 4033ORELAP

 Angela Rydelius, Lab Manager



Analytical Report

Client: ERAS Environmental, Inc.
Date Received: 8/31/16 17:15
Date Prepared: 9/1/16
Project: 14-002-03

WorkOrder: 1608F84
Extraction Method: SW3550B
Analytical Method: SW8270C
Unit: mg/Kg

Semi-Volatile Organics

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|----------------------|----------------|--------|------------------|------------|------------------|
| B-5, 9.5-10' | 1608F84-003A | Soil | 08/30/2016 12:08 | GC21 | 126010 |
| Analytes | Result | MDL | RL | DF | Date Analyzed |
| <u>Surrogates</u> | <u>REC (%)</u> | | <u>Limits</u> | | |
| 2-Fluorophenol | 76 | | 30-130 | | 09/02/2016 13:56 |
| Phenol-d5 | 72 | | 30-130 | | 09/02/2016 13:56 |
| Nitrobenzene-d5 | 64 | | 30-130 | | 09/02/2016 13:56 |
| 2-Fluorobiphenyl | 66 | | 30-130 | | 09/02/2016 13:56 |
| 2,4,6-Tribromophenol | 59 | | 16-130 | | 09/02/2016 13:56 |
| 4-Terphenyl-d14 | 69 | | 30-130 | | 09/02/2016 13:56 |

Analyst(s): REB

(Cont.)

NELAP 4033ORELAP

 Angela Rydelius, Lab Manager



Analytical Report

Client: ERAS Environmental, Inc.
Date Received: 8/31/16 17:15
Date Prepared: 9/1/16
Project: 14-002-03

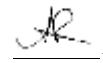
WorkOrder: 1608F84
Extraction Method: SW3550B
Analytical Method: SW8270C
Unit: mg/Kg

Semi-Volatile Organics

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|-------------------------------|---------------|------------|------------------|------------|----------------------|
| B-6, 4.5-5' | 1608F84-004A | Soil | 08/30/2016 14:00 | GC21 | 126010 |
| <u>Analytes</u> | <u>Result</u> | <u>MDL</u> | <u>RL</u> | <u>DF</u> | <u>Date Analyzed</u> |
| Acenaphthene | ND | 0.14 | 0.25 | 1 | 09/02/2016 14:24 |
| Acenaphthylene | ND | 0.14 | 0.25 | 1 | 09/02/2016 14:24 |
| Acetochlor | ND | 0.25 | 0.25 | 1 | 09/02/2016 14:24 |
| Anthracene | ND | 0.14 | 0.25 | 1 | 09/02/2016 14:24 |
| Benzidine | ND | 0.23 | 1.3 | 1 | 09/02/2016 14:24 |
| Benzo (a) anthracene | ND | 0.14 | 0.25 | 1 | 09/02/2016 14:24 |
| Benzo (a) pyrene | ND | 0.14 | 0.25 | 1 | 09/02/2016 14:24 |
| Benzo (b) fluoranthene | ND | 0.14 | 0.25 | 1 | 09/02/2016 14:24 |
| Benzo (g,h,i) perylene | ND | 0.15 | 0.25 | 1 | 09/02/2016 14:24 |
| Benzo (k) fluoranthene | ND | 0.16 | 0.25 | 1 | 09/02/2016 14:24 |
| Benzyl Alcohol | ND | 0.51 | 1.3 | 1 | 09/02/2016 14:24 |
| 1,1-Biphenyl | ND | 0.15 | 0.25 | 1 | 09/02/2016 14:24 |
| Bis (2-chloroethoxy) Methane | ND | 0.14 | 0.25 | 1 | 09/02/2016 14:24 |
| Bis (2-chloroethyl) Ether | ND | 0.13 | 0.25 | 1 | 09/02/2016 14:24 |
| Bis (2-chloroisopropyl) Ether | ND | 0.12 | 0.25 | 1 | 09/02/2016 14:24 |
| Bis (2-ethylhexyl) Adipate | ND | 0.25 | 0.25 | 1 | 09/02/2016 14:24 |
| Bis (2-ethylhexyl) Phthalate | ND | 0.13 | 0.25 | 1 | 09/02/2016 14:24 |
| 4-Bromophenyl Phenyl Ether | ND | 0.16 | 0.25 | 1 | 09/02/2016 14:24 |
| Butylbenzyl Phthalate | ND | 0.13 | 0.25 | 1 | 09/02/2016 14:24 |
| 4-Chloroaniline | ND | 0.13 | 0.50 | 1 | 09/02/2016 14:24 |
| 4-Chloro-3-methylphenol | ND | 0.12 | 0.25 | 1 | 09/02/2016 14:24 |
| 2-Chloronaphthalene | ND | 0.16 | 0.25 | 1 | 09/02/2016 14:24 |
| 2-Chlorophenol | ND | 0.14 | 0.25 | 1 | 09/02/2016 14:24 |
| 4-Chlorophenyl Phenyl Ether | ND | 0.15 | 0.25 | 1 | 09/02/2016 14:24 |
| Chrysene | ND | 0.14 | 0.25 | 1 | 09/02/2016 14:24 |
| Dibenzo (a,h) anthracene | ND | 0.16 | 0.25 | 1 | 09/02/2016 14:24 |
| Dibenzofuran | ND | 0.13 | 0.25 | 1 | 09/02/2016 14:24 |
| Di-n-butyl Phthalate | ND | 0.13 | 0.25 | 1 | 09/02/2016 14:24 |
| 1,2-Dichlorobenzene | ND | 0.12 | 0.25 | 1 | 09/02/2016 14:24 |
| 1,3-Dichlorobenzene | ND | 0.14 | 0.25 | 1 | 09/02/2016 14:24 |
| 1,4-Dichlorobenzene | ND | 0.13 | 0.25 | 1 | 09/02/2016 14:24 |
| 3,3-Dichlorobenzidine | ND | 0.12 | 0.50 | 1 | 09/02/2016 14:24 |
| 2,4-Dichlorophenol | ND | 0.13 | 0.25 | 1 | 09/02/2016 14:24 |
| Diethyl Phthalate | ND | 0.14 | 0.25 | 1 | 09/02/2016 14:24 |
| 2,4-Dimethylphenol | ND | 0.13 | 0.25 | 1 | 09/02/2016 14:24 |
| Dimethyl Phthalate | ND | 0.14 | 0.25 | 1 | 09/02/2016 14:24 |
| 4,6-Dinitro-2-methylphenol | ND | 0.13 | 1.3 | 1 | 09/02/2016 14:24 |

(Cont.)

NELAP 4033ORELAP

 Angela Rydelius, Lab Manager



Analytical Report

Client: ERAS Environmental, Inc.
Date Received: 8/31/16 17:15
Date Prepared: 9/1/16
Project: 14-002-03

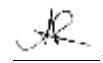
WorkOrder: 1608F84
Extraction Method: SW3550B
Analytical Method: SW8270C
Unit: mg/Kg

Semi-Volatile Organics

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|---------------------------------|---------------|------------|------------------|------------|----------------------|
| B-6, 4.5-5' | 1608F84-004A | Soil | 08/30/2016 14:00 | GC21 | 126010 |
| <u>Analytes</u> | <u>Result</u> | <u>MDL</u> | <u>RL</u> | <u>DF</u> | <u>Date Analyzed</u> |
| 2,4-Dinitrophenol | ND | 1.3 | 6.3 | 1 | 09/02/2016 14:24 |
| 2,4-Dinitrotoluene | ND | 0.13 | 0.25 | 1 | 09/02/2016 14:24 |
| 2,6-Dinitrotoluene | ND | 0.14 | 0.25 | 1 | 09/02/2016 14:24 |
| Di-n-octyl Phthalate | ND | 0.14 | 0.50 | 1 | 09/02/2016 14:24 |
| 1,2-Diphenylhydrazine | ND | 0.16 | 0.25 | 1 | 09/02/2016 14:24 |
| Fluoranthene | ND | 0.13 | 0.25 | 1 | 09/02/2016 14:24 |
| Fluorene | ND | 0.14 | 0.25 | 1 | 09/02/2016 14:24 |
| Hexachlorobenzene | ND | 0.17 | 0.25 | 1 | 09/02/2016 14:24 |
| Hexachlorobutadiene | ND | 0.15 | 0.25 | 1 | 09/02/2016 14:24 |
| Hexachlorocyclopentadiene | ND | 0.73 | 1.3 | 1 | 09/02/2016 14:24 |
| Hexachloroethane | ND | 0.14 | 0.25 | 1 | 09/02/2016 14:24 |
| Indeno (1,2,3-cd) pyrene | ND | 0.14 | 0.25 | 1 | 09/02/2016 14:24 |
| Isophorone | ND | 0.12 | 0.25 | 1 | 09/02/2016 14:24 |
| 2-Methylnaphthalene | ND | 0.14 | 0.25 | 1 | 09/02/2016 14:24 |
| 2-Methylphenol (o-Cresol) | ND | 0.14 | 0.25 | 1 | 09/02/2016 14:24 |
| 3 & 4-Methylphenol (m,p-Cresol) | ND | 0.12 | 0.25 | 1 | 09/02/2016 14:24 |
| Naphthalene | ND | 0.13 | 0.25 | 1 | 09/02/2016 14:24 |
| 2-Nitroaniline | ND | 0.62 | 1.3 | 1 | 09/02/2016 14:24 |
| 3-Nitroaniline | ND | 0.59 | 1.3 | 1 | 09/02/2016 14:24 |
| 4-Nitroaniline | ND | 0.55 | 1.3 | 1 | 09/02/2016 14:24 |
| Nitrobenzene | ND | 0.14 | 0.25 | 1 | 09/02/2016 14:24 |
| 2-Nitrophenol | ND | 0.64 | 1.3 | 1 | 09/02/2016 14:24 |
| 4-Nitrophenol | ND | 0.41 | 1.3 | 1 | 09/02/2016 14:24 |
| N-Nitrosodiphenylamine | ND | 0.16 | 0.25 | 1 | 09/02/2016 14:24 |
| N-Nitrosodi-n-propylamine | ND | 0.13 | 0.25 | 1 | 09/02/2016 14:24 |
| Pentachlorophenol | ND | 0.32 | 1.3 | 1 | 09/02/2016 14:24 |
| Phenanthrene | ND | 0.14 | 0.25 | 1 | 09/02/2016 14:24 |
| Phenol | ND | 0.12 | 0.25 | 1 | 09/02/2016 14:24 |
| Pyrene | ND | 0.13 | 0.25 | 1 | 09/02/2016 14:24 |
| 1,2,4-Trichlorobenzene | ND | 0.14 | 0.25 | 1 | 09/02/2016 14:24 |
| 2,4,5-Trichlorophenol | ND | 0.12 | 0.25 | 1 | 09/02/2016 14:24 |
| 2,4,6-Trichlorophenol | ND | 0.14 | 0.25 | 1 | 09/02/2016 14:24 |

(Cont.)

NELAP 4033ORELAP

 Angela Rydelius, Lab Manager



Analytical Report

Client: ERAS Environmental, Inc.
Date Received: 8/31/16 17:15
Date Prepared: 9/1/16
Project: 14-002-03

WorkOrder: 1608F84
Extraction Method: SW3550B
Analytical Method: SW8270C
Unit: mg/Kg

Semi-Volatile Organics

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|----------------------|--------------|--------|------------------|------------|------------------|
| B-6, 4.5-5' | 1608F84-004A | Soil | 08/30/2016 14:00 | GC21 | 126010 |
| Analytes | Result | MDL | RL | DF | Date Analyzed |
| Surrogates | REC (%) | | Limits | | |
| 2-Fluorophenol | 89 | | 30-130 | | 09/02/2016 14:24 |
| Phenol-d5 | 80 | | 30-130 | | 09/02/2016 14:24 |
| Nitrobenzene-d5 | 70 | | 30-130 | | 09/02/2016 14:24 |
| 2-Fluorobiphenyl | 69 | | 30-130 | | 09/02/2016 14:24 |
| 2,4,6-Tribromophenol | 64 | | 16-130 | | 09/02/2016 14:24 |
| 4-Terphenyl-d14 | 76 | | 30-130 | | 09/02/2016 14:24 |

Analyst(s): REB

(Cont.)

NELAP 4033ORELAP

 Angela Rydelius, Lab Manager



Analytical Report

Client: ERAS Environmental, Inc.
Date Received: 8/31/16 17:15
Date Prepared: 9/1/16
Project: 14-002-03

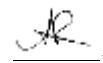
WorkOrder: 1608F84
Extraction Method: SW3550B
Analytical Method: SW8270C
Unit: mg/Kg

Semi-Volatile Organics

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|-------------------------------|---------------|------------|------------------|------------|----------------------|
| B-6, 7.5-8' | 1608F84-005A | Soil | 08/30/2016 14:06 | GC21 | 126010 |
| <u>Analytes</u> | <u>Result</u> | <u>MDL</u> | <u>RL</u> | <u>DF</u> | <u>Date Analyzed</u> |
| Acenaphthene | ND | 0.14 | 0.25 | 1 | 09/02/2016 14:52 |
| Acenaphthylene | ND | 0.14 | 0.25 | 1 | 09/02/2016 14:52 |
| Acetochlor | ND | 0.25 | 0.25 | 1 | 09/02/2016 14:52 |
| Anthracene | ND | 0.14 | 0.25 | 1 | 09/02/2016 14:52 |
| Benzidine | ND | 0.23 | 1.3 | 1 | 09/02/2016 14:52 |
| Benzo (a) anthracene | ND | 0.14 | 0.25 | 1 | 09/02/2016 14:52 |
| Benzo (a) pyrene | ND | 0.14 | 0.25 | 1 | 09/02/2016 14:52 |
| Benzo (b) fluoranthene | ND | 0.14 | 0.25 | 1 | 09/02/2016 14:52 |
| Benzo (g,h,i) perylene | ND | 0.15 | 0.25 | 1 | 09/02/2016 14:52 |
| Benzo (k) fluoranthene | ND | 0.16 | 0.25 | 1 | 09/02/2016 14:52 |
| Benzyl Alcohol | ND | 0.51 | 1.3 | 1 | 09/02/2016 14:52 |
| 1,1-Biphenyl | ND | 0.15 | 0.25 | 1 | 09/02/2016 14:52 |
| Bis (2-chloroethoxy) Methane | ND | 0.14 | 0.25 | 1 | 09/02/2016 14:52 |
| Bis (2-chloroethyl) Ether | ND | 0.13 | 0.25 | 1 | 09/02/2016 14:52 |
| Bis (2-chloroisopropyl) Ether | ND | 0.12 | 0.25 | 1 | 09/02/2016 14:52 |
| Bis (2-ethylhexyl) Adipate | ND | 0.25 | 0.25 | 1 | 09/02/2016 14:52 |
| Bis (2-ethylhexyl) Phthalate | ND | 0.13 | 0.25 | 1 | 09/02/2016 14:52 |
| 4-Bromophenyl Phenyl Ether | ND | 0.16 | 0.25 | 1 | 09/02/2016 14:52 |
| Butylbenzyl Phthalate | ND | 0.13 | 0.25 | 1 | 09/02/2016 14:52 |
| 4-Chloroaniline | ND | 0.13 | 0.50 | 1 | 09/02/2016 14:52 |
| 4-Chloro-3-methylphenol | ND | 0.12 | 0.25 | 1 | 09/02/2016 14:52 |
| 2-Chloronaphthalene | ND | 0.16 | 0.25 | 1 | 09/02/2016 14:52 |
| 2-Chlorophenol | ND | 0.14 | 0.25 | 1 | 09/02/2016 14:52 |
| 4-Chlorophenyl Phenyl Ether | ND | 0.15 | 0.25 | 1 | 09/02/2016 14:52 |
| Chrysene | ND | 0.14 | 0.25 | 1 | 09/02/2016 14:52 |
| Dibenzo (a,h) anthracene | ND | 0.16 | 0.25 | 1 | 09/02/2016 14:52 |
| Dibenzofuran | ND | 0.13 | 0.25 | 1 | 09/02/2016 14:52 |
| Di-n-butyl Phthalate | ND | 0.13 | 0.25 | 1 | 09/02/2016 14:52 |
| 1,2-Dichlorobenzene | ND | 0.12 | 0.25 | 1 | 09/02/2016 14:52 |
| 1,3-Dichlorobenzene | ND | 0.14 | 0.25 | 1 | 09/02/2016 14:52 |
| 1,4-Dichlorobenzene | ND | 0.13 | 0.25 | 1 | 09/02/2016 14:52 |
| 3,3-Dichlorobenzidine | ND | 0.12 | 0.50 | 1 | 09/02/2016 14:52 |
| 2,4-Dichlorophenol | ND | 0.13 | 0.25 | 1 | 09/02/2016 14:52 |
| Diethyl Phthalate | ND | 0.14 | 0.25 | 1 | 09/02/2016 14:52 |
| 2,4-Dimethylphenol | ND | 0.13 | 0.25 | 1 | 09/02/2016 14:52 |
| Dimethyl Phthalate | ND | 0.14 | 0.25 | 1 | 09/02/2016 14:52 |
| 4,6-Dinitro-2-methylphenol | ND | 0.13 | 1.3 | 1 | 09/02/2016 14:52 |

(Cont.)

NELAP 4033ORELAP

 Angela Rydelius, Lab Manager



Analytical Report

Client: ERAS Environmental, Inc.
Date Received: 8/31/16 17:15
Date Prepared: 9/1/16
Project: 14-002-03

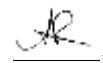
WorkOrder: 1608F84
Extraction Method: SW3550B
Analytical Method: SW8270C
Unit: mg/Kg

Semi-Volatile Organics

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|---------------------------------|---------------|------------|------------------|------------|----------------------|
| B-6, 7.5-8' | 1608F84-005A | Soil | 08/30/2016 14:06 | GC21 | 126010 |
| <u>Analytes</u> | <u>Result</u> | <u>MDL</u> | <u>RL</u> | <u>DF</u> | <u>Date Analyzed</u> |
| 2,4-Dinitrophenol | ND | 1.3 | 6.3 | 1 | 09/02/2016 14:52 |
| 2,4-Dinitrotoluene | ND | 0.13 | 0.25 | 1 | 09/02/2016 14:52 |
| 2,6-Dinitrotoluene | ND | 0.14 | 0.25 | 1 | 09/02/2016 14:52 |
| Di-n-octyl Phthalate | ND | 0.14 | 0.50 | 1 | 09/02/2016 14:52 |
| 1,2-Diphenylhydrazine | ND | 0.16 | 0.25 | 1 | 09/02/2016 14:52 |
| Fluoranthene | ND | 0.13 | 0.25 | 1 | 09/02/2016 14:52 |
| Fluorene | ND | 0.14 | 0.25 | 1 | 09/02/2016 14:52 |
| Hexachlorobenzene | ND | 0.17 | 0.25 | 1 | 09/02/2016 14:52 |
| Hexachlorobutadiene | ND | 0.15 | 0.25 | 1 | 09/02/2016 14:52 |
| Hexachlorocyclopentadiene | ND | 0.73 | 1.3 | 1 | 09/02/2016 14:52 |
| Hexachloroethane | ND | 0.14 | 0.25 | 1 | 09/02/2016 14:52 |
| Indeno (1,2,3-cd) pyrene | ND | 0.14 | 0.25 | 1 | 09/02/2016 14:52 |
| Isophorone | ND | 0.12 | 0.25 | 1 | 09/02/2016 14:52 |
| 2-Methylnaphthalene | ND | 0.14 | 0.25 | 1 | 09/02/2016 14:52 |
| 2-Methylphenol (o-Cresol) | ND | 0.14 | 0.25 | 1 | 09/02/2016 14:52 |
| 3 & 4-Methylphenol (m,p-Cresol) | ND | 0.12 | 0.25 | 1 | 09/02/2016 14:52 |
| Naphthalene | ND | 0.13 | 0.25 | 1 | 09/02/2016 14:52 |
| 2-Nitroaniline | ND | 0.62 | 1.3 | 1 | 09/02/2016 14:52 |
| 3-Nitroaniline | ND | 0.59 | 1.3 | 1 | 09/02/2016 14:52 |
| 4-Nitroaniline | ND | 0.55 | 1.3 | 1 | 09/02/2016 14:52 |
| Nitrobenzene | ND | 0.14 | 0.25 | 1 | 09/02/2016 14:52 |
| 2-Nitrophenol | ND | 0.64 | 1.3 | 1 | 09/02/2016 14:52 |
| 4-Nitrophenol | ND | 0.41 | 1.3 | 1 | 09/02/2016 14:52 |
| N-Nitrosodiphenylamine | ND | 0.16 | 0.25 | 1 | 09/02/2016 14:52 |
| N-Nitrosodi-n-propylamine | ND | 0.13 | 0.25 | 1 | 09/02/2016 14:52 |
| Pentachlorophenol | ND | 0.32 | 1.3 | 1 | 09/02/2016 14:52 |
| Phenanthrene | ND | 0.14 | 0.25 | 1 | 09/02/2016 14:52 |
| Phenol | ND | 0.12 | 0.25 | 1 | 09/02/2016 14:52 |
| Pyrene | ND | 0.13 | 0.25 | 1 | 09/02/2016 14:52 |
| 1,2,4-Trichlorobenzene | ND | 0.14 | 0.25 | 1 | 09/02/2016 14:52 |
| 2,4,5-Trichlorophenol | ND | 0.12 | 0.25 | 1 | 09/02/2016 14:52 |
| 2,4,6-Trichlorophenol | ND | 0.14 | 0.25 | 1 | 09/02/2016 14:52 |

(Cont.)

NELAP 4033ORELAP

 Angela Rydelius, Lab Manager



Analytical Report

Client: ERAS Environmental, Inc.
Date Received: 8/31/16 17:15
Date Prepared: 9/1/16
Project: 14-002-03

WorkOrder: 1608F84
Extraction Method: SW3550B
Analytical Method: SW8270C
Unit: mg/Kg

Semi-Volatile Organics

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|----------------------|--------------|--------|------------------|------------|------------------|
| B-6, 7.5-8' | 1608F84-005A | Soil | 08/30/2016 14:06 | GC21 | 126010 |
| Analytes | Result | MDL | RL | DF | Date Analyzed |
| Surrogates | REC (%) | | Limits | | |
| 2-Fluorophenol | 86 | | 30-130 | | 09/02/2016 14:52 |
| Phenol-d5 | 79 | | 30-130 | | 09/02/2016 14:52 |
| Nitrobenzene-d5 | 71 | | 30-130 | | 09/02/2016 14:52 |
| 2-Fluorobiphenyl | 72 | | 30-130 | | 09/02/2016 14:52 |
| 2,4,6-Tribromophenol | 62 | | 16-130 | | 09/02/2016 14:52 |
| 4-Terphenyl-d14 | 74 | | 30-130 | | 09/02/2016 14:52 |

Analyst(s): REB

(Cont.)

NELAP 4033ORELAP

 Angela Rydelius, Lab Manager



Analytical Report

Client: ERAS Environmental, Inc.
Date Received: 8/31/16 17:15
Date Prepared: 9/1/16
Project: 14-002-03

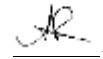
WorkOrder: 1608F84
Extraction Method: SW3550B
Analytical Method: SW8270C
Unit: mg/Kg

Semi-Volatile Organics

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|-------------------------------|---------------|------------|------------------|------------|----------------------|
| B-1, 3.5-4' | 1608F84-007A | Soil | 08/30/2016 09:16 | GC21 | 126010 |
| <u>Analytes</u> | <u>Result</u> | <u>MDL</u> | <u>RL</u> | <u>DF</u> | <u>Date Analyzed</u> |
| Acenaphthene | ND | 1.1 | 2.0 | 1 | 09/06/2016 11:25 |
| Acenaphthylene | ND | 1.1 | 2.0 | 1 | 09/06/2016 11:25 |
| Acetochlor | ND | 2.0 | 2.0 | 1 | 09/06/2016 11:25 |
| Anthracene | ND | 1.1 | 2.0 | 1 | 09/06/2016 11:25 |
| Benzidine | ND | 1.8 | 10 | 1 | 09/06/2016 11:25 |
| Benzo (a) anthracene | ND | 1.1 | 2.0 | 1 | 09/06/2016 11:25 |
| Benzo (a) pyrene | ND | 1.1 | 2.0 | 1 | 09/06/2016 11:25 |
| Benzo (b) fluoranthene | ND | 1.1 | 2.0 | 1 | 09/06/2016 11:25 |
| Benzo (g,h,i) perylene | ND | 1.2 | 2.0 | 1 | 09/06/2016 11:25 |
| Benzo (k) fluoranthene | ND | 1.3 | 2.0 | 1 | 09/06/2016 11:25 |
| Benzyl Alcohol | ND | 4.1 | 10 | 1 | 09/06/2016 11:25 |
| 1,1-Biphenyl | ND | 1.2 | 2.0 | 1 | 09/06/2016 11:25 |
| Bis (2-chloroethoxy) Methane | ND | 1.1 | 2.0 | 1 | 09/06/2016 11:25 |
| Bis (2-chloroethyl) Ether | ND | 1.0 | 2.0 | 1 | 09/06/2016 11:25 |
| Bis (2-chloroisopropyl) Ether | ND | 0.96 | 2.0 | 1 | 09/06/2016 11:25 |
| Bis (2-ethylhexyl) Adipate | ND | 2.0 | 2.0 | 1 | 09/06/2016 11:25 |
| Bis (2-ethylhexyl) Phthalate | ND | 1.0 | 2.0 | 1 | 09/06/2016 11:25 |
| 4-Bromophenyl Phenyl Ether | ND | 1.3 | 2.0 | 1 | 09/06/2016 11:25 |
| Butylbenzyl Phthalate | ND | 1.0 | 2.0 | 1 | 09/06/2016 11:25 |
| 4-Chloroaniline | ND | 1.0 | 4.0 | 1 | 09/06/2016 11:25 |
| 4-Chloro-3-methylphenol | ND | 0.96 | 2.0 | 1 | 09/06/2016 11:25 |
| 2-Chloronaphthalene | ND | 1.3 | 2.0 | 1 | 09/06/2016 11:25 |
| 2-Chlorophenol | ND | 1.1 | 2.0 | 1 | 09/06/2016 11:25 |
| 4-Chlorophenyl Phenyl Ether | ND | 1.2 | 2.0 | 1 | 09/06/2016 11:25 |
| Chrysene | ND | 1.1 | 2.0 | 1 | 09/06/2016 11:25 |
| Dibenzo (a,h) anthracene | ND | 1.3 | 2.0 | 1 | 09/06/2016 11:25 |
| Dibenzofuran | ND | 1.0 | 2.0 | 1 | 09/06/2016 11:25 |
| Di-n-butyl Phthalate | ND | 1.0 | 2.0 | 1 | 09/06/2016 11:25 |
| 1,2-Dichlorobenzene | ND | 0.96 | 2.0 | 1 | 09/06/2016 11:25 |
| 1,3-Dichlorobenzene | ND | 1.1 | 2.0 | 1 | 09/06/2016 11:25 |
| 1,4-Dichlorobenzene | ND | 1.0 | 2.0 | 1 | 09/06/2016 11:25 |
| 3,3-Dichlorobenzidine | ND | 0.96 | 4.0 | 1 | 09/06/2016 11:25 |
| 2,4-Dichlorophenol | ND | 1.0 | 2.0 | 1 | 09/06/2016 11:25 |
| Diethyl Phthalate | ND | 1.1 | 2.0 | 1 | 09/06/2016 11:25 |
| 2,4-Dimethylphenol | ND | 1.0 | 2.0 | 1 | 09/06/2016 11:25 |
| Dimethyl Phthalate | ND | 1.1 | 2.0 | 1 | 09/06/2016 11:25 |
| 4,6-Dinitro-2-methylphenol | ND | 1.0 | 10 | 1 | 09/06/2016 11:25 |

(Cont.)

NELAP 4033ORELAP

 Angela Rydelius, Lab Manager



Analytical Report

Client: ERAS Environmental, Inc.
Date Received: 8/31/16 17:15
Date Prepared: 9/1/16
Project: 14-002-03

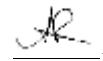
WorkOrder: 1608F84
Extraction Method: SW3550B
Analytical Method: SW8270C
Unit: mg/Kg

Semi-Volatile Organics

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|---------------------------------|---------------|------------|------------------|------------|----------------------|
| B-1, 3.5-4' | 1608F84-007A | Soil | 08/30/2016 09:16 | GC21 | 126010 |
| <u>Analytes</u> | <u>Result</u> | <u>MDL</u> | <u>RL</u> | <u>DF</u> | <u>Date Analyzed</u> |
| 2,4-Dinitrophenol | ND | 10 | 50 | 1 | 09/06/2016 11:25 |
| 2,4-Dinitrotoluene | ND | 1.0 | 2.0 | 1 | 09/06/2016 11:25 |
| 2,6-Dinitrotoluene | ND | 1.1 | 2.0 | 1 | 09/06/2016 11:25 |
| Di-n-octyl Phthalate | ND | 1.1 | 4.0 | 1 | 09/06/2016 11:25 |
| 1,2-Diphenylhydrazine | ND | 1.3 | 2.0 | 1 | 09/06/2016 11:25 |
| Fluoranthene | ND | 1.0 | 2.0 | 1 | 09/06/2016 11:25 |
| Fluorene | ND | 1.1 | 2.0 | 1 | 09/06/2016 11:25 |
| Hexachlorobenzene | ND | 1.4 | 2.0 | 1 | 09/06/2016 11:25 |
| Hexachlorobutadiene | ND | 1.2 | 2.0 | 1 | 09/06/2016 11:25 |
| Hexachlorocyclopentadiene | ND | 5.8 | 10 | 1 | 09/06/2016 11:25 |
| Hexachloroethane | ND | 1.1 | 2.0 | 1 | 09/06/2016 11:25 |
| Indeno (1,2,3-cd) pyrene | ND | 1.1 | 2.0 | 1 | 09/06/2016 11:25 |
| Isophorone | ND | 0.96 | 2.0 | 1 | 09/06/2016 11:25 |
| 2-Methylnaphthalene | ND | 1.1 | 2.0 | 1 | 09/06/2016 11:25 |
| 2-Methylphenol (o-Cresol) | ND | 1.1 | 2.0 | 1 | 09/06/2016 11:25 |
| 3 & 4-Methylphenol (m,p-Cresol) | ND | 0.96 | 2.0 | 1 | 09/06/2016 11:25 |
| Naphthalene | ND | 1.0 | 2.0 | 1 | 09/06/2016 11:25 |
| 2-Nitroaniline | ND | 5.0 | 10 | 1 | 09/06/2016 11:25 |
| 3-Nitroaniline | ND | 4.7 | 10 | 1 | 09/06/2016 11:25 |
| 4-Nitroaniline | ND | 4.4 | 10 | 1 | 09/06/2016 11:25 |
| Nitrobenzene | ND | 1.1 | 2.0 | 1 | 09/06/2016 11:25 |
| 2-Nitrophenol | ND | 5.1 | 10 | 1 | 09/06/2016 11:25 |
| 4-Nitrophenol | ND | 3.3 | 10 | 1 | 09/06/2016 11:25 |
| N-Nitrosodiphenylamine | ND | 1.3 | 2.0 | 1 | 09/06/2016 11:25 |
| N-Nitrosodi-n-propylamine | ND | 1.0 | 2.0 | 1 | 09/06/2016 11:25 |
| Pentachlorophenol | ND | 2.6 | 10 | 1 | 09/06/2016 11:25 |
| Phenanthrene | ND | 1.1 | 2.0 | 1 | 09/06/2016 11:25 |
| Phenol | ND | 0.96 | 2.0 | 1 | 09/06/2016 11:25 |
| Pyrene | ND | 1.0 | 2.0 | 1 | 09/06/2016 11:25 |
| 1,2,4-Trichlorobenzene | ND | 1.1 | 2.0 | 1 | 09/06/2016 11:25 |
| 2,4,5-Trichlorophenol | ND | 0.96 | 2.0 | 1 | 09/06/2016 11:25 |
| 2,4,6-Trichlorophenol | ND | 1.1 | 2.0 | 1 | 09/06/2016 11:25 |

(Cont.)

NELAP 4033ORELAP

 Angela Rydelius, Lab Manager



Analytical Report

Client: ERAS Environmental, Inc.
Date Received: 8/31/16 17:15
Date Prepared: 9/1/16
Project: 14-002-03

WorkOrder: 1608F84
Extraction Method: SW3550B
Analytical Method: SW8270C
Unit: mg/Kg

Semi-Volatile Organics

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|----------------------|--------------|--------|------------------|------------|------------------|
| B-1, 3.5-4' | 1608F84-007A | Soil | 08/30/2016 09:16 | GC21 | 126010 |
| Analytes | Result | MDL | RL | DF | Date Analyzed |
| Surrogates | REC (%) | | Limits | | |
| 2-Fluorophenol | 72 | | 30-130 | | 09/06/2016 11:25 |
| Phenol-d5 | 61 | | 30-130 | | 09/06/2016 11:25 |
| Nitrobenzene-d5 | 73 | | 30-130 | | 09/06/2016 11:25 |
| 2-Fluorobiphenyl | 83 | | 30-130 | | 09/06/2016 11:25 |
| 2,4,6-Tribromophenol | 58 | | 16-130 | | 09/06/2016 11:25 |
| 4-Terphenyl-d14 | 97 | | 30-130 | | 09/06/2016 11:25 |

Analyst(s): REB

Analytical Comments: a4

(Cont.)

NELAP 4033ORELAP

 Angela Rydelius, Lab Manager



Analytical Report

Client: ERAS Environmental, Inc.
Date Received: 8/31/16 17:15
Date Prepared: 9/1/16
Project: 14-002-03

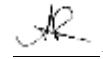
WorkOrder: 1608F84
Extraction Method: SW3550B
Analytical Method: SW8270C
Unit: mg/Kg

Semi-Volatile Organics

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|-------------------------------|---------------|------------|------------------|------------|----------------------|
| B-2, 3.5-4' | 1608F84-009A | Soil | 08/30/2016 08:29 | GC21 | 126010 |
| <u>Analytes</u> | <u>Result</u> | <u>MDL</u> | <u>RL</u> | <u>DF</u> | <u>Date Analyzed</u> |
| Acenaphthene | ND | 1.1 | 2.0 | 1 | 09/06/2016 11:53 |
| Acenaphthylene | ND | 1.1 | 2.0 | 1 | 09/06/2016 11:53 |
| Acetochlor | ND | 2.0 | 2.0 | 1 | 09/06/2016 11:53 |
| Anthracene | ND | 1.1 | 2.0 | 1 | 09/06/2016 11:53 |
| Benzidine | ND | 1.8 | 10 | 1 | 09/06/2016 11:53 |
| Benzo (a) anthracene | ND | 1.1 | 2.0 | 1 | 09/06/2016 11:53 |
| Benzo (a) pyrene | ND | 1.1 | 2.0 | 1 | 09/06/2016 11:53 |
| Benzo (b) fluoranthene | ND | 1.1 | 2.0 | 1 | 09/06/2016 11:53 |
| Benzo (g,h,i) perylene | ND | 1.2 | 2.0 | 1 | 09/06/2016 11:53 |
| Benzo (k) fluoranthene | ND | 1.3 | 2.0 | 1 | 09/06/2016 11:53 |
| Benzyl Alcohol | ND | 4.1 | 10 | 1 | 09/06/2016 11:53 |
| 1,1-Biphenyl | ND | 1.2 | 2.0 | 1 | 09/06/2016 11:53 |
| Bis (2-chloroethoxy) Methane | ND | 1.1 | 2.0 | 1 | 09/06/2016 11:53 |
| Bis (2-chloroethyl) Ether | ND | 1.0 | 2.0 | 1 | 09/06/2016 11:53 |
| Bis (2-chloroisopropyl) Ether | ND | 0.96 | 2.0 | 1 | 09/06/2016 11:53 |
| Bis (2-ethylhexyl) Adipate | ND | 2.0 | 2.0 | 1 | 09/06/2016 11:53 |
| Bis (2-ethylhexyl) Phthalate | ND | 1.0 | 2.0 | 1 | 09/06/2016 11:53 |
| 4-Bromophenyl Phenyl Ether | ND | 1.3 | 2.0 | 1 | 09/06/2016 11:53 |
| Butylbenzyl Phthalate | ND | 1.0 | 2.0 | 1 | 09/06/2016 11:53 |
| 4-Chloroaniline | ND | 1.0 | 4.0 | 1 | 09/06/2016 11:53 |
| 4-Chloro-3-methylphenol | ND | 0.96 | 2.0 | 1 | 09/06/2016 11:53 |
| 2-Chloronaphthalene | ND | 1.3 | 2.0 | 1 | 09/06/2016 11:53 |
| 2-Chlorophenol | ND | 1.1 | 2.0 | 1 | 09/06/2016 11:53 |
| 4-Chlorophenyl Phenyl Ether | ND | 1.2 | 2.0 | 1 | 09/06/2016 11:53 |
| Chrysene | ND | 1.1 | 2.0 | 1 | 09/06/2016 11:53 |
| Dibenzo (a,h) anthracene | ND | 1.3 | 2.0 | 1 | 09/06/2016 11:53 |
| Dibenzofuran | ND | 1.0 | 2.0 | 1 | 09/06/2016 11:53 |
| Di-n-butyl Phthalate | ND | 1.0 | 2.0 | 1 | 09/06/2016 11:53 |
| 1,2-Dichlorobenzene | ND | 0.96 | 2.0 | 1 | 09/06/2016 11:53 |
| 1,3-Dichlorobenzene | ND | 1.1 | 2.0 | 1 | 09/06/2016 11:53 |
| 1,4-Dichlorobenzene | ND | 1.0 | 2.0 | 1 | 09/06/2016 11:53 |
| 3,3-Dichlorobenzidine | ND | 0.96 | 4.0 | 1 | 09/06/2016 11:53 |
| 2,4-Dichlorophenol | ND | 1.0 | 2.0 | 1 | 09/06/2016 11:53 |
| Diethyl Phthalate | ND | 1.1 | 2.0 | 1 | 09/06/2016 11:53 |
| 2,4-Dimethylphenol | ND | 1.0 | 2.0 | 1 | 09/06/2016 11:53 |
| Dimethyl Phthalate | ND | 1.1 | 2.0 | 1 | 09/06/2016 11:53 |
| 4,6-Dinitro-2-methylphenol | ND | 1.0 | 10 | 1 | 09/06/2016 11:53 |

(Cont.)

NELAP 4033ORELAP

 Angela Rydelius, Lab Manager



Analytical Report

Client: ERAS Environmental, Inc.
Date Received: 8/31/16 17:15
Date Prepared: 9/1/16
Project: 14-002-03

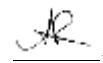
WorkOrder: 1608F84
Extraction Method: SW3550B
Analytical Method: SW8270C
Unit: mg/Kg

Semi-Volatile Organics

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|---------------------------------|---------------|------------|------------------|------------|----------------------|
| B-2, 3.5-4' | 1608F84-009A | Soil | 08/30/2016 08:29 | GC21 | 126010 |
| <u>Analytes</u> | <u>Result</u> | <u>MDL</u> | <u>RL</u> | <u>DF</u> | <u>Date Analyzed</u> |
| 2,4-Dinitrophenol | ND | 10 | 50 | 1 | 09/06/2016 11:53 |
| 2,4-Dinitrotoluene | ND | 1.0 | 2.0 | 1 | 09/06/2016 11:53 |
| 2,6-Dinitrotoluene | ND | 1.1 | 2.0 | 1 | 09/06/2016 11:53 |
| Di-n-octyl Phthalate | ND | 1.1 | 4.0 | 1 | 09/06/2016 11:53 |
| 1,2-Diphenylhydrazine | ND | 1.3 | 2.0 | 1 | 09/06/2016 11:53 |
| Fluoranthene | ND | 1.0 | 2.0 | 1 | 09/06/2016 11:53 |
| Fluorene | ND | 1.1 | 2.0 | 1 | 09/06/2016 11:53 |
| Hexachlorobenzene | ND | 1.4 | 2.0 | 1 | 09/06/2016 11:53 |
| Hexachlorobutadiene | ND | 1.2 | 2.0 | 1 | 09/06/2016 11:53 |
| Hexachlorocyclopentadiene | ND | 5.8 | 10 | 1 | 09/06/2016 11:53 |
| Hexachloroethane | ND | 1.1 | 2.0 | 1 | 09/06/2016 11:53 |
| Indeno (1,2,3-cd) pyrene | ND | 1.1 | 2.0 | 1 | 09/06/2016 11:53 |
| Isophorone | ND | 0.96 | 2.0 | 1 | 09/06/2016 11:53 |
| 2-Methylnaphthalene | ND | 1.1 | 2.0 | 1 | 09/06/2016 11:53 |
| 2-Methylphenol (o-Cresol) | ND | 1.1 | 2.0 | 1 | 09/06/2016 11:53 |
| 3 & 4-Methylphenol (m,p-Cresol) | ND | 0.96 | 2.0 | 1 | 09/06/2016 11:53 |
| Naphthalene | ND | 1.0 | 2.0 | 1 | 09/06/2016 11:53 |
| 2-Nitroaniline | ND | 5.0 | 10 | 1 | 09/06/2016 11:53 |
| 3-Nitroaniline | ND | 4.7 | 10 | 1 | 09/06/2016 11:53 |
| 4-Nitroaniline | ND | 4.4 | 10 | 1 | 09/06/2016 11:53 |
| Nitrobenzene | ND | 1.1 | 2.0 | 1 | 09/06/2016 11:53 |
| 2-Nitrophenol | ND | 5.1 | 10 | 1 | 09/06/2016 11:53 |
| 4-Nitrophenol | ND | 3.3 | 10 | 1 | 09/06/2016 11:53 |
| N-Nitrosodiphenylamine | ND | 1.3 | 2.0 | 1 | 09/06/2016 11:53 |
| N-Nitrosodi-n-propylamine | ND | 1.0 | 2.0 | 1 | 09/06/2016 11:53 |
| Pentachlorophenol | ND | 2.6 | 10 | 1 | 09/06/2016 11:53 |
| Phenanthrene | ND | 1.1 | 2.0 | 1 | 09/06/2016 11:53 |
| Phenol | ND | 0.96 | 2.0 | 1 | 09/06/2016 11:53 |
| Pyrene | ND | 1.0 | 2.0 | 1 | 09/06/2016 11:53 |
| 1,2,4-Trichlorobenzene | ND | 1.1 | 2.0 | 1 | 09/06/2016 11:53 |
| 2,4,5-Trichlorophenol | ND | 0.96 | 2.0 | 1 | 09/06/2016 11:53 |
| 2,4,6-Trichlorophenol | ND | 1.1 | 2.0 | 1 | 09/06/2016 11:53 |

(Cont.)

NELAP 4033ORELAP

 Angela Rydelius, Lab Manager



Analytical Report

Client: ERAS Environmental, Inc.
Date Received: 8/31/16 17:15
Date Prepared: 9/1/16
Project: 14-002-03

WorkOrder: 1608F84
Extraction Method: SW3550B
Analytical Method: SW8270C
Unit: mg/Kg

Semi-Volatile Organics

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|----------------------|--------------|--------|------------------|------------|------------------|
| B-2, 3.5-4' | 1608F84-009A | Soil | 08/30/2016 08:29 | GC21 | 126010 |
| Analytes | Result | MDL | RL | DF | Date Analyzed |
| Surrogates | REC (%) | | Limits | | |
| 2-Fluorophenol | 68 | | 30-130 | | 09/06/2016 11:53 |
| Phenol-d5 | 53 | | 30-130 | | 09/06/2016 11:53 |
| Nitrobenzene-d5 | 65 | | 30-130 | | 09/06/2016 11:53 |
| 2-Fluorobiphenyl | 79 | | 30-130 | | 09/06/2016 11:53 |
| 2,4,6-Tribromophenol | 57 | | 16-130 | | 09/06/2016 11:53 |
| 4-Terphenyl-d14 | 89 | | 30-130 | | 09/06/2016 11:53 |

Analyst(s): REB

Analytical Comments: a4



Analytical Report

Client: ERAS Environmental, Inc.
Date Received: 8/31/16 17:15
Date Prepared: 9/1/16
Project: 14-002-03

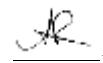
WorkOrder: 1608F84
Extraction Method: E625
Analytical Method: SW8270C
Unit: µg/L

Semi-Volatile Organics

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|-------------------------------|---------------|-------------------|------------------|------------|-----------|
| B-5 | 1608F84-001B | Water | 08/30/2016 13:05 | GC21 | 125960 |
| <u>Analytes</u> | <u>Result</u> | <u>Qualifiers</u> | <u>MDL</u> | <u>RL</u> | <u>DF</u> |
| Acenaphthene | ND | | 1.3 | 11 | 5 |
| Acenaphthylene | ND | | 1.4 | 11 | 5 |
| Acetochlor | ND | | 5.5 | 11 | 5 |
| Anthracene | ND | | 0.82 | 11 | 5 |
| Benzidine | ND | | 1.6 | 55 | 5 |
| Benzo (a) anthracene | ND | | 0.88 | 11 | 5 |
| Benzo (a) pyrene | ND | | 0.93 | 11 | 5 |
| Benzo (b) fluoranthene | ND | | 0.88 | 11 | 5 |
| Benzo (g,h,i) perylene | ND | | 0.99 | 11 | 5 |
| Benzo (k) fluoranthene | ND | | 1.1 | 11 | 5 |
| Benzyl Alcohol | ND | | 8.2 | 55 | 5 |
| 1,1-Biphenyl | ND | | 1.4 | 11 | 5 |
| Bis (2-chloroethoxy) Methane | ND | | 1.6 | 11 | 5 |
| Bis (2-chloroethyl) Ether | ND | | 1.3 | 11 | 5 |
| Bis (2-chloroisopropyl) Ether | ND | | 1.5 | 11 | 5 |
| Bis (2-ethylhexyl) Adipate | ND | | 11 | 11 | 5 |
| Bis (2-ethylhexyl) Phthalate | ND | | 1.9 | 22 | 5 |
| 4-Bromophenyl Phenyl Ether | ND | | 0.93 | 55 | 5 |
| Butylbenzyl Phthalate | ND | | 1.6 | 11 | 5 |
| 4-Chloroaniline | ND | | 1.8 | 22 | 5 |
| 4-Chloro-3-methylphenol | ND | | 1.5 | 55 | 5 |
| 2-Chloronaphthalene | ND | | 1.4 | 11 | 5 |
| 2-Chlorophenol | ND | | 1.4 | 11 | 5 |
| 4-Chlorophenyl Phenyl Ether | ND | | 1.1 | 11 | 5 |
| Chrysene | ND | | 0.99 | 11 | 5 |
| Dibenzo (a,h) anthracene | ND | | 1.0 | 11 | 5 |
| Dibenzofuran | ND | | 1.2 | 11 | 5 |
| Di-n-butyl Phthalate | ND | | 1.6 | 11 | 5 |
| 1,2-Dichlorobenzene | ND | | 1.3 | 11 | 5 |
| 1,3-Dichlorobenzene | ND | | 1.2 | 11 | 5 |
| 1,4-Dichlorobenzene | ND | | 1.2 | 11 | 5 |
| 3,3-Dichlorobenzidine | ND | | 0.77 | 22 | 5 |
| 2,4-Dichlorophenol | ND | | 1.5 | 11 | 5 |
| Diethyl Phthalate | ND | | 0.82 | 11 | 5 |
| 2,4-Dimethylphenol | ND | | 0.54 | 11 | 5 |
| Dimethyl Phthalate | ND | | 0.99 | 11 | 5 |
| 4,6-Dinitro-2-methylphenol | ND | | 5.4 | 55 | 5 |

(Cont.)

NELAP 4033ORELAP

 Angela Rydelius, Lab Manager



Analytical Report

Client: ERAS Environmental, Inc.
Date Received: 8/31/16 17:15
Date Prepared: 9/1/16
Project: 14-002-03

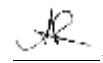
WorkOrder: 1608F84
Extraction Method: E625
Analytical Method: SW8270C
Unit: µg/L

Semi-Volatile Organics

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|---------------------------------|---------------|-------------------|------------------|------------|-----------|
| B-5 | 1608F84-001B | Water | 08/30/2016 13:05 | GC21 | 125960 |
| <u>Analytes</u> | <u>Result</u> | <u>Qualifiers</u> | <u>MDL</u> | <u>RL</u> | <u>DF</u> |
| 2,4-Dinitrophenol | ND | | 4.8 | 140 | 5 |
| 2,4-Dinitrotoluene | ND | | 0.93 | 11 | 5 |
| 2,6-Dinitrotoluene | ND | | 1.1 | 11 | 5 |
| Di-n-octyl Phthalate | 3.1 | J | 1.5 | 11 | 5 |
| 1,2-Diphenylhydrazine | ND | | 0.88 | 11 | 5 |
| Fluoranthene | ND | | 0.99 | 11 | 5 |
| Fluorene | ND | | 1.1 | 11 | 5 |
| Hexachlorobenzene | ND | | 0.99 | 11 | 5 |
| Hexachlorobutadiene | ND | | 1.3 | 11 | 5 |
| Hexachlorocyclopentadiene | ND | | 6.6 | 55 | 5 |
| Hexachloroethane | ND | | 1.6 | 11 | 5 |
| Indeno (1,2,3-cd) pyrene | ND | | 1.0 | 11 | 5 |
| Isophorone | ND | | 1.8 | 11 | 5 |
| 2-Methylnaphthalene | ND | | 1.6 | 11 | 5 |
| 2-Methylphenol (o-Cresol) | ND | | 1.0 | 11 | 5 |
| 3 & 4-Methylphenol (m,p-Cresol) | ND | | 1.0 | 11 | 5 |
| Naphthalene | ND | | 1.3 | 11 | 5 |
| 2-Nitroaniline | ND | | 7.1 | 55 | 5 |
| 3-Nitroaniline | ND | | 6.6 | 55 | 5 |
| 4-Nitroaniline | ND | | 6.6 | 55 | 5 |
| Nitrobenzene | ND | | 1.8 | 11 | 5 |
| 2-Nitrophenol | ND | | 7.7 | 55 | 5 |
| 4-Nitrophenol | ND | | 9.3 | 55 | 5 |
| N-Nitrosodiphenylamine | ND | | 0.99 | 11 | 5 |
| N-Nitrosodi-n-propylamine | ND | | 1.9 | 11 | 5 |
| Pentachlorophenol | ND | | 2.7 | 55 | 5 |
| Phenanthrene | ND | | 1.2 | 11 | 5 |
| Phenol | ND | | 1.9 | 11 | 5 |
| Pyrene | ND | | 1.3 | 11 | 5 |
| 1,2,4-Trichlorobenzene | ND | | 1.2 | 11 | 5 |
| 2,4,5-Trichlorophenol | ND | | 1.2 | 11 | 5 |
| 2,4,6-Trichlorophenol | ND | | 1.3 | 11 | 5 |

(Cont.)

NELAP 4033ORELAP

 Angela Rydelius, Lab Manager



Analytical Report

Client: ERAS Environmental, Inc.
Date Received: 8/31/16 17:15
Date Prepared: 9/1/16
Project: 14-002-03

WorkOrder: 1608F84
Extraction Method: E625
Analytical Method: SW8270C
Unit: µg/L

Semi-Volatile Organics

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID | |
|----------------------|--------------|------------|------------------|------------|----------|------------------|
| B-5 | 1608F84-001B | Water | 08/30/2016 13:05 | GC21 | 125960 | |
| Analytes | Result | Qualifiers | MDL | RL | DF | Date Analyzed |
| Surrogates | REC (%) | Qualifiers | | Limits | | |
| 2-Fluorophenol | 14 | | | 8-130 | | 09/01/2016 20:34 |
| Phenol-d5 | 10 | | | 5-130 | | 09/01/2016 20:34 |
| Nitrobenzene-d5 | 27 | | | 20-140 | | 09/01/2016 20:34 |
| 2-Fluorobiphenyl | 38 | S | | 40-140 | | 09/01/2016 20:34 |
| 2,4,6-Tribromophenol | 17 | | | 16-180 | | 09/01/2016 20:34 |
| 4-Terphenyl-d14 | 74 | | | 40-170 | | 09/01/2016 20:34 |

Analyst(s): REB

Analytical Comments: a3,a19,c2,b6

(Cont.)

NELAP 4033ORELAP

 Angela Rydelius, Lab Manager



Analytical Report

Client: ERAS Environmental, Inc.
Date Received: 8/31/16 17:15
Date Prepared: 9/1/16
Project: 14-002-03

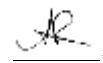
WorkOrder: 1608F84
Extraction Method: E625
Analytical Method: SW8270C
Unit: µg/L

Semi-Volatile Organics

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|-------------------------------|---------------|-------------------|------------------|------------|-----------|
| B-1 | 1608F84-006C | Water | 08/30/2016 10:19 | GC21 | 125960 |
| <u>Analytes</u> | <u>Result</u> | <u>Qualifiers</u> | <u>MDL</u> | <u>RL</u> | <u>DF</u> |
| Acenaphthene | ND | | 1.2 | 10 | 5 |
| Acenaphthylene | ND | | 1.3 | 10 | 5 |
| Acetochlor | ND | | 5.0 | 10 | 5 |
| Anthracene | ND | | 0.75 | 10 | 5 |
| Benzidine | ND | | 1.5 | 50 | 5 |
| Benzo (a) anthracene | ND | | 0.80 | 10 | 5 |
| Benzo (a) pyrene | ND | | 0.85 | 10 | 5 |
| Benzo (b) fluoranthene | ND | | 0.80 | 10 | 5 |
| Benzo (g,h,i) perlylene | ND | | 0.90 | 10 | 5 |
| Benzo (k) fluoranthene | ND | | 1.0 | 10 | 5 |
| Benzyl Alcohol | ND | | 7.5 | 50 | 5 |
| 1,1-Biphenyl | ND | | 1.3 | 10 | 5 |
| Bis (2-chloroethoxy) Methane | ND | | 1.5 | 10 | 5 |
| Bis (2-chloroethyl) Ether | ND | | 1.2 | 10 | 5 |
| Bis (2-chloroisopropyl) Ether | 3.1 | J | 1.4 | 10 | 5 |
| Bis (2-ethylhexyl) Adipate | ND | | 10 | 10 | 5 |
| Bis (2-ethylhexyl) Phthalate | ND | | 1.7 | 20 | 5 |
| 4-Bromophenyl Phenyl Ether | ND | | 0.85 | 50 | 5 |
| Butylbenzyl Phthalate | ND | | 1.5 | 10 | 5 |
| 4-Chloroaniline | ND | | 1.7 | 20 | 5 |
| 4-Chloro-3-methylphenol | ND | | 1.4 | 50 | 5 |
| 2-Chloronaphthalene | ND | | 1.3 | 10 | 5 |
| 2-Chlorophenol | ND | | 1.3 | 10 | 5 |
| 4-Chlorophenyl Phenyl Ether | ND | | 1.0 | 10 | 5 |
| Chrysene | ND | | 0.90 | 10 | 5 |
| Dibenzo (a,h) anthracene | ND | | 0.95 | 10 | 5 |
| Dibenzofuran | ND | | 1.1 | 10 | 5 |
| Di-n-butyl Phthalate | ND | | 1.5 | 10 | 5 |
| 1,2-Dichlorobenzene | ND | | 1.2 | 10 | 5 |
| 1,3-Dichlorobenzene | ND | | 1.1 | 10 | 5 |
| 1,4-Dichlorobenzene | ND | | 1.1 | 10 | 5 |
| 3,3-Dichlorobenzidine | ND | | 0.70 | 20 | 5 |
| 2,4-Dichlorophenol | ND | | 1.4 | 10 | 5 |
| Diethyl Phthalate | ND | | 0.75 | 10 | 5 |
| 2,4-Dimethylphenol | ND | | 0.49 | 10 | 5 |
| Dimethyl Phthalate | ND | | 0.90 | 10 | 5 |
| 4,6-Dinitro-2-methylphenol | ND | | 4.9 | 50 | 5 |

(Cont.)

NELAP 4033ORELAP

 Angela Rydelius, Lab Manager



Analytical Report

Client: ERAS Environmental, Inc.
Date Received: 8/31/16 17:15
Date Prepared: 9/1/16
Project: 14-002-03

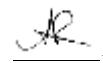
WorkOrder: 1608F84
Extraction Method: E625
Analytical Method: SW8270C
Unit: µg/L

Semi-Volatile Organics

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|---------------------------------|---------------|-------------------|------------------|------------|-----------|
| B-1 | 1608F84-006C | Water | 08/30/2016 10:19 | GC21 | 125960 |
| <u>Analytes</u> | <u>Result</u> | <u>Qualifiers</u> | <u>MDL</u> | <u>RL</u> | <u>DF</u> |
| 2,4-Dinitrophenol | ND | | 4.4 | 130 | 5 |
| 2,4-Dinitrotoluene | ND | | 0.85 | 10 | 5 |
| 2,6-Dinitrotoluene | ND | | 1.0 | 10 | 5 |
| Di-n-octyl Phthalate | 2.8 | J | 1.4 | 10 | 5 |
| 1,2-Diphenylhydrazine | ND | | 0.80 | 10 | 5 |
| Fluoranthene | ND | | 0.90 | 10 | 5 |
| Fluorene | ND | | 1.0 | 10 | 5 |
| Hexachlorobenzene | ND | | 0.90 | 10 | 5 |
| Hexachlorobutadiene | ND | | 1.2 | 10 | 5 |
| Hexachlorocyclopentadiene | ND | | 6.0 | 50 | 5 |
| Hexachloroethane | ND | | 1.5 | 10 | 5 |
| Indeno (1,2,3-cd) pyrene | ND | | 0.95 | 10 | 5 |
| Isophorone | ND | | 1.6 | 10 | 5 |
| 2-Methylnaphthalene | 5.2 | J | 1.5 | 10 | 5 |
| 2-Methylphenol (o-Cresol) | ND | | 0.95 | 10 | 5 |
| 3 & 4-Methylphenol (m,p-Cresol) | ND | | 0.95 | 10 | 5 |
| Naphthalene | 4.9 | J | 1.2 | 10 | 5 |
| 2-Nitroaniline | ND | | 6.5 | 50 | 5 |
| 3-Nitroaniline | ND | | 6.0 | 50 | 5 |
| 4-Nitroaniline | ND | | 6.0 | 50 | 5 |
| Nitrobenzene | ND | | 1.6 | 10 | 5 |
| 2-Nitrophenol | ND | | 7.0 | 50 | 5 |
| 4-Nitrophenol | ND | | 8.5 | 50 | 5 |
| N-Nitrosodiphenylamine | ND | | 0.90 | 10 | 5 |
| N-Nitrosodi-n-propylamine | ND | | 1.8 | 10 | 5 |
| Pentachlorophenol | ND | | 2.5 | 50 | 5 |
| Phenanthrene | ND | | 1.1 | 10 | 5 |
| Phenol | ND | | 1.7 | 10 | 5 |
| Pyrene | ND | | 1.2 | 10 | 5 |
| 1,2,4-Trichlorobenzene | ND | | 1.1 | 10 | 5 |
| 2,4,5-Trichlorophenol | ND | | 1.1 | 10 | 5 |
| 2,4,6-Trichlorophenol | ND | | 1.2 | 10 | 5 |

(Cont.)

NELAP 4033ORELAP

 Angela Rydelius, Lab Manager



Analytical Report

Client: ERAS Environmental, Inc.
Date Received: 8/31/16 17:15
Date Prepared: 9/1/16
Project: 14-002-03

WorkOrder: 1608F84
Extraction Method: E625
Analytical Method: SW8270C
Unit: µg/L

Semi-Volatile Organics

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID | |
|----------------------|--------------|------------|------------------|------------|----------|------------------|
| B-1 | 1608F84-006C | Water | 08/30/2016 10:19 | GC21 | 125960 | |
| Analytes | Result | Qualifiers | MDL | RL | DF | Date Analyzed |
| Surrogates | REC (%) | | | Limits | | |
| 2-Fluorophenol | 68 | | | 8-130 | | 09/01/2016 21:02 |
| Phenol-d5 | 52 | | | 5-130 | | 09/01/2016 21:02 |
| Nitrobenzene-d5 | 53 | | | 20-140 | | 09/01/2016 21:02 |
| 2-Fluorobiphenyl | 111 | | | 40-140 | | 09/01/2016 21:02 |
| 2,4,6-Tribromophenol | 112 | | | 16-180 | | 09/01/2016 21:02 |
| 4-Terphenyl-d14 | 103 | | | 40-170 | | 09/01/2016 21:02 |

Analyst(s): REB

Analytical Comments: a3

(Cont.)

NELAP 4033ORELAP

 Angela Rydelius, Lab Manager



Analytical Report

Client: ERAS Environmental, Inc.
Date Received: 8/31/16 17:15
Date Prepared: 9/1/16
Project: 14-002-03

WorkOrder: 1608F84
Extraction Method: E625
Analytical Method: SW8270C
Unit: µg/L

Semi-Volatile Organics

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|-------------------------------|---------------|-------------------|------------------|------------|-----------|
| B-2 | 1608F84-008C | Water | 08/30/2016 09:10 | GC21 | 125960 |
| <u>Analytes</u> | <u>Result</u> | <u>Qualifiers</u> | <u>MDL</u> | <u>RL</u> | <u>DF</u> |
| Acenaphthene | 0.42 | J | 0.24 | 2.0 | 1 |
| Acenaphthylene | ND | | 0.26 | 2.0 | 1 |
| Acetochlor | ND | | 1.0 | 2.0 | 1 |
| Anthracene | ND | | 0.15 | 2.0 | 1 |
| Benzidine | ND | | 0.29 | 10 | 1 |
| Benzo (a) anthracene | ND | | 0.16 | 2.0 | 1 |
| Benzo (a) pyrene | ND | | 0.17 | 2.0 | 1 |
| Benzo (b) fluoranthene | ND | | 0.16 | 2.0 | 1 |
| Benzo (g,h,i) perlylene | ND | | 0.18 | 2.0 | 1 |
| Benzo (k) fluoranthene | ND | | 0.20 | 2.0 | 1 |
| Benzyl Alcohol | ND | | 1.5 | 10 | 1 |
| 1,1-Biphenyl | ND | | 0.26 | 2.0 | 1 |
| Bis (2-chloroethoxy) Methane | ND | | 0.30 | 2.0 | 1 |
| Bis (2-chloroethyl) Ether | 0.31 | J | 0.24 | 2.0 | 1 |
| Bis (2-chloroisopropyl) Ether | ND | | 0.28 | 2.0 | 1 |
| Bis (2-ethylhexyl) Adipate | ND | | 2.0 | 2.0 | 1 |
| Bis (2-ethylhexyl) Phthalate | ND | | 0.34 | 4.0 | 1 |
| 4-Bromophenyl Phenyl Ether | ND | | 0.17 | 10 | 1 |
| Butylbenzyl Phthalate | ND | | 0.29 | 2.0 | 1 |
| 4-Chloroaniline | ND | | 0.33 | 4.0 | 1 |
| 4-Chloro-3-methylphenol | ND | | 0.27 | 10 | 1 |
| 2-Chloronaphthalene | ND | | 0.25 | 2.0 | 1 |
| 2-Chlorophenol | ND | | 0.26 | 2.0 | 1 |
| 4-Chlorophenyl Phenyl Ether | ND | | 0.20 | 2.0 | 1 |
| Chrysene | ND | | 0.18 | 2.0 | 1 |
| Dibenzo (a,h) anthracene | ND | | 0.19 | 2.0 | 1 |
| Dibenzofuran | ND | | 0.21 | 2.0 | 1 |
| Di-n-butyl Phthalate | ND | | 0.30 | 2.0 | 1 |
| 1,2-Dichlorobenzene | ND | | 0.23 | 2.0 | 1 |
| 1,3-Dichlorobenzene | ND | | 0.22 | 2.0 | 1 |
| 1,4-Dichlorobenzene | ND | | 0.22 | 2.0 | 1 |
| 3,3-Dichlorobenzidine | ND | | 0.14 | 4.0 | 1 |
| 2,4-Dichlorophenol | ND | | 0.28 | 2.0 | 1 |
| Diethyl Phthalate | ND | | 0.15 | 2.0 | 1 |
| 2,4-Dimethylphenol | 24 | | 0.098 | 2.0 | 1 |
| Dimethyl Phthalate | ND | | 0.18 | 2.0 | 1 |
| 4,6-Dinitro-2-methylphenol | ND | | 0.98 | 10 | 1 |

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NELAP 4033ORELAP

 Angela Rydelius, Lab Manager



Analytical Report

Client: ERAS Environmental, Inc.
Date Received: 8/31/16 17:15
Date Prepared: 9/1/16
Project: 14-002-03

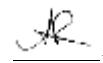
WorkOrder: 1608F84
Extraction Method: E625
Analytical Method: SW8270C
Unit: µg/L

Semi-Volatile Organics

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|---------------------------------|---------------|-------------------|------------------|------------|-----------|
| B-2 | 1608F84-008C | Water | 08/30/2016 09:10 | GC21 | 125960 |
| <u>Analytes</u> | <u>Result</u> | <u>Qualifiers</u> | <u>MDL</u> | <u>RL</u> | <u>DF</u> |
| 2,4-Dinitrophenol | ND | | 0.87 | 25 | 1 |
| 2,4-Dinitrotoluene | ND | | 0.17 | 2.0 | 1 |
| 2,6-Dinitrotoluene | ND | | 0.20 | 2.0 | 1 |
| Di-n-octyl Phthalate | 0.57 | J | 0.27 | 2.0 | 1 |
| 1,2-Diphenylhydrazine | ND | | 0.16 | 2.0 | 1 |
| Fluoranthene | ND | | 0.18 | 2.0 | 1 |
| Fluorene | 0.20 | J | 0.20 | 2.0 | 1 |
| Hexachlorobenzene | ND | | 0.18 | 2.0 | 1 |
| Hexachlorobutadiene | ND | | 0.24 | 2.0 | 1 |
| Hexachlorocyclopentadiene | ND | | 1.2 | 10 | 1 |
| Hexachloroethane | ND | | 0.29 | 2.0 | 1 |
| Indeno (1,2,3-cd) pyrene | ND | | 0.19 | 2.0 | 1 |
| Isophorone | ND | | 0.32 | 2.0 | 1 |
| 2-Methylnaphthalene | 7.7 | | 0.29 | 2.0 | 1 |
| 2-Methylphenol (o-Cresol) | 3.7 | | 0.19 | 2.0 | 1 |
| 3 & 4-Methylphenol (m,p-Cresol) | 1.8 | J | 0.19 | 2.0 | 1 |
| Naphthalene | 58 | | 0.59 | 4.9 | 2 |
| 2-Nitroaniline | ND | | 1.3 | 10 | 1 |
| 3-Nitroaniline | ND | | 1.2 | 10 | 1 |
| 4-Nitroaniline | ND | | 1.2 | 10 | 1 |
| Nitrobenzene | ND | | 0.32 | 2.0 | 1 |
| 2-Nitrophenol | ND | | 1.4 | 10 | 1 |
| 4-Nitrophenol | ND | | 1.7 | 10 | 1 |
| N-Nitrosodiphenylamine | ND | | 0.18 | 2.0 | 1 |
| N-Nitrosodi-n-propylamine | ND | | 0.35 | 2.0 | 1 |
| Pentachlorophenol | ND | | 0.50 | 10 | 1 |
| Phenanthrene | 0.80 | J | 0.22 | 2.0 | 1 |
| Phenol | ND | | 0.34 | 2.0 | 1 |
| Pyrene | ND | | 0.24 | 2.0 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 0.22 | 2.0 | 1 |
| 2,4,5-Trichlorophenol | ND | | 0.21 | 2.0 | 1 |
| 2,4,6-Trichlorophenol | ND | | 0.23 | 2.0 | 1 |

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NELAP 4033ORELAP

 Angela Rydelius, Lab Manager



Analytical Report

Client: ERAS Environmental, Inc.
Date Received: 8/31/16 17:15
Date Prepared: 9/1/16
Project: 14-002-03

WorkOrder: 1608F84
Extraction Method: E625
Analytical Method: SW8270C
Unit: µg/L

Semi-Volatile Organics

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID | |
|----------------------|--------------|------------|------------------|------------|----------|------------------|
| B-2 | 1608F84-008C | Water | 08/30/2016 09:10 | GC21 | 125960 | |
| Analytes | Result | Qualifiers | MDL | RL | DF | Date Analyzed |
| Surrogates | REC (%) | | | Limits | | |
| 2-Fluorophenol | 50 | | | 8-130 | | 09/01/2016 21:30 |
| Phenol-d5 | 41 | | | 5-130 | | 09/01/2016 21:30 |
| Nitrobenzene-d5 | 36 | | | 20-140 | | 09/01/2016 21:30 |
| 2-Fluorobiphenyl | 86 | | | 40-140 | | 09/01/2016 21:30 |
| 2,4,6-Tribromophenol | 121 | | | 16-180 | | 09/01/2016 21:30 |
| 4-Terphenyl-d14 | 123 | | | 40-170 | | 09/01/2016 21:30 |

Analyst(s): REB

Analytical Comments: a19



Analytical Report

Client: ERAS Environmental, Inc.
Date Received: 8/31/16 17:15
Date Prepared: 8/31/16
Project: 14-002-03

WorkOrder: 1608F84
Extraction Method: E200.8
Analytical Method: E200.8
Unit: µg/L

Dissolved CAM / CCR 17 Metals

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|-----------------|---------------|-------------------|------------------|------------|-----------|
| B-5 | 1608F84-001E | Water | 08/30/2016 13:05 | ICP-MS1 | 125951 |
| <u>Analytes</u> | <u>Result</u> | <u>Qualifiers</u> | <u>MDL</u> | <u>RL</u> | <u>DF</u> |
| Antimony | 0.97 | | 0.061 | 0.50 | 1 |
| Arsenic | 13 | | 0.19 | 0.50 | 1 |
| Barium | 310 | | 1.1 | 5.0 | 1 |
| Beryllium | ND | | 0.051 | 0.50 | 1 |
| Cadmium | ND | | 0.040 | 0.25 | 1 |
| Chromium | 0.35 | J | 0.14 | 0.50 | 1 |
| Cobalt | 3.0 | | 0.048 | 0.50 | 1 |
| Copper | 0.29 | J | 0.10 | 2.0 | 1 |
| Lead | 0.12 | J | 0.078 | 0.50 | 1 |
| Mercury | ND | | 0.010 | 0.050 | 1 |
| Molybdenum | 15 | | 0.26 | 0.50 | 1 |
| Nickel | 10 | | 0.18 | 0.50 | 1 |
| Selenium | ND | | 0.15 | 0.50 | 1 |
| Silver | ND | | 0.025 | 0.19 | 1 |
| Thallium | ND | | 0.026 | 0.50 | 1 |
| Vanadium | 1.4 | | 0.059 | 0.50 | 1 |
| Zinc | ND | | 5.0 | 15 | 1 |

Analyst(s): DB

Analytical Comments: b6



Analytical Report

Client: ERAS Environmental, Inc.
Date Received: 8/31/16 17:15
Date Prepared: 8/31/16
Project: 14-002-03

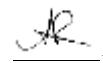
WorkOrder: 1608F84
Extraction Method: SW3050B
Analytical Method: SW6020
Unit: mg/Kg

CAM / CCR 17 Metals

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|--------------------|----------------|-------------------|------------------|------------|------------------|
| B-5, 3.5-4' | 1608F84-002A | Soil | 08/30/2016 11:53 | ICP-MS3 | 126006 |
| <u>Analytes</u> | <u>Result</u> | <u>Qualifiers</u> | <u>MDL</u> | <u>RL</u> | <u>DF</u> |
| Antimony | 0.32 | J | 0.094 | 0.50 | 1 |
| Arsenic | 2.7 | | 0.14 | 0.50 | 1 |
| Barium | 170 | | 0.97 | 5.0 | 1 |
| Beryllium | 0.39 | J | 0.072 | 0.50 | 1 |
| Cadmium | ND | | 0.058 | 0.25 | 1 |
| Chromium | 60 | | 0.092 | 0.50 | 1 |
| Cobalt | 9.6 | | 0.056 | 0.50 | 1 |
| Copper | 17 | | 0.069 | 0.50 | 1 |
| Lead | 5.8 | | 0.094 | 0.50 | 1 |
| Mercury | 0.086 | | 0.0050 | 0.050 | 1 |
| Molybdenum | ND | | 0.23 | 0.50 | 1 |
| Nickel | 63 | | 0.072 | 0.50 | 1 |
| Selenium | 0.22 | J | 0.13 | 0.50 | 1 |
| Silver | 0.062 | J | 0.055 | 0.50 | 1 |
| Thallium | ND | | 0.10 | 0.50 | 1 |
| Vanadium | 38 | | 0.064 | 0.50 | 1 |
| Zinc | 31 | | 1.4 | 5.0 | 1 |
| <u>Surrogates</u> | <u>REC (%)</u> | | <u>Limits</u> | | |
| Terbium | 107 | | 70-130 | | 09/01/2016 22:29 |
| <u>Analyst(s):</u> | BBO | | | | |

(Cont.)

CDPH ELAP 1644 • NELAP 4033ORELAP

 Angela Rydelius, Lab Manager



Analytical Report

Client: ERAS Environmental, Inc.
Date Received: 8/31/16 17:15
Date Prepared: 8/31/16
Project: 14-002-03

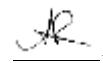
WorkOrder: 1608F84
Extraction Method: SW3050B
Analytical Method: SW6020
Unit: mg/Kg

CAM / CCR 17 Metals

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|--------------------|----------------|-------------------|------------------|------------|------------------|
| B-5, 9.5-10' | 1608F84-003A | Soil | 08/30/2016 12:08 | ICP-MS1 | 126006 |
| <u>Analytes</u> | <u>Result</u> | <u>Qualifiers</u> | <u>MDL</u> | <u>RL</u> | <u>DF</u> |
| Antimony | 0.22 | J | 0.094 | 0.50 | 1 |
| Arsenic | 3.5 | | 0.14 | 0.50 | 1 |
| Barium | 80 | | 0.97 | 5.0 | 1 |
| Beryllium | 0.44 | J | 0.072 | 0.50 | 1 |
| Cadmium | 0.11 | J | 0.058 | 0.25 | 1 |
| Chromium | 89 | | 0.092 | 0.50 | 1 |
| Cobalt | 15 | | 0.056 | 0.50 | 1 |
| Copper | 20 | | 0.069 | 0.50 | 1 |
| Lead | 6.5 | | 0.094 | 0.50 | 1 |
| Mercury | 0.19 | | 0.0050 | 0.050 | 1 |
| Molybdenum | 0.26 | J | 0.23 | 0.50 | 1 |
| Nickel | 130 | | 0.072 | 0.50 | 1 |
| Selenium | ND | | 0.13 | 0.50 | 1 |
| Silver | ND | | 0.055 | 0.50 | 1 |
| Thallium | 0.11 | J | 0.10 | 0.50 | 1 |
| Vanadium | 34 | | 0.064 | 0.50 | 1 |
| Zinc | 48 | | 1.4 | 5.0 | 1 |
| <u>Surrogates</u> | <u>REC (%)</u> | | <u>Limits</u> | | |
| Terbium | 116 | | 70-130 | | 09/02/2016 11:31 |
| <u>Analyst(s):</u> | DB | | | | |

(Cont.)

CDPH ELAP 1644 • NELAP 4033ORELAP

 Angela Rydelius, Lab Manager



Analytical Report

Client: ERAS Environmental, Inc.
Date Received: 8/31/16 17:15
Date Prepared: 8/31/16
Project: 14-002-03

WorkOrder: 1608F84
Extraction Method: SW3050B
Analytical Method: SW6020
Unit: mg/Kg

CAM / CCR 17 Metals

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|--------------------|----------------|-------------------|------------------|------------|------------------|
| B-6, 4.5-5' | 1608F84-004A | Soil | 08/30/2016 14:00 | ICP-MS3 | 126006 |
| <u>Analytes</u> | <u>Result</u> | <u>Qualifiers</u> | <u>MDL</u> | <u>RL</u> | <u>DF</u> |
| Antimony | 0.48 | J | 0.094 | 0.50 | 1 |
| Arsenic | 6.7 | | 0.14 | 0.50 | 1 |
| Barium | 220 | | 0.97 | 5.0 | 1 |
| Beryllium | 0.69 | | 0.072 | 0.50 | 1 |
| Cadmium | ND | | 0.058 | 0.25 | 1 |
| Chromium | 90 | | 0.092 | 0.50 | 1 |
| Cobalt | 9.0 | | 0.056 | 0.50 | 1 |
| Copper | 26 | | 0.069 | 0.50 | 1 |
| Lead | 7.9 | | 0.094 | 0.50 | 1 |
| Mercury | 0.20 | | 0.0050 | 0.050 | 1 |
| Molybdenum | 0.24 | J | 0.23 | 0.50 | 1 |
| Nickel | 150 | | 0.072 | 0.50 | 1 |
| Selenium | 0.25 | J | 0.13 | 0.50 | 1 |
| Silver | 0.15 | J | 0.055 | 0.50 | 1 |
| Thallium | 0.14 | J | 0.10 | 0.50 | 1 |
| Vanadium | 55 | | 0.064 | 0.50 | 1 |
| Zinc | 54 | | 1.4 | 5.0 | 1 |
| <u>Surrogates</u> | <u>REC (%)</u> | | <u>Limits</u> | | |
| Terbium | 106 | | 70-130 | | 09/01/2016 23:19 |
| <u>Analyst(s):</u> | BBO | | | | |

(Cont.)

CDPH ELAP 1644 • NELAP 4033ORELAP

 Angela Rydelius, Lab Manager



Analytical Report

Client: ERAS Environmental, Inc.
Date Received: 8/31/16 17:15
Date Prepared: 8/31/16
Project: 14-002-03

WorkOrder: 1608F84
Extraction Method: SW3050B
Analytical Method: SW6020
Unit: mg/Kg

CAM / CCR 17 Metals

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|--------------------|----------------|-------------------|------------------|------------|------------------|
| B-6, 7.5-8' | 1608F84-005A | Soil | 08/30/2016 14:06 | ICP-MS3 | 126006 |
| <u>Analytes</u> | <u>Result</u> | <u>Qualifiers</u> | <u>MDL</u> | <u>RL</u> | <u>DF</u> |
| Antimony | 0.33 | J | 0.094 | 0.50 | 1 |
| Arsenic | 6.6 | | 0.14 | 0.50 | 1 |
| Barium | 160 | | 0.97 | 5.0 | 1 |
| Beryllium | 0.47 | J | 0.072 | 0.50 | 1 |
| Cadmium | 0.14 | J | 0.058 | 0.25 | 1 |
| Chromium | 59 | | 0.092 | 0.50 | 1 |
| Cobalt | 20 | | 0.056 | 0.50 | 1 |
| Copper | 22 | | 0.069 | 0.50 | 1 |
| Lead | 8.9 | | 0.094 | 0.50 | 1 |
| Mercury | 0.085 | | 0.0050 | 0.050 | 1 |
| Molybdenum | 0.47 | J | 0.23 | 0.50 | 1 |
| Nickel | 150 | | 0.072 | 0.50 | 1 |
| Selenium | 0.14 | J | 0.13 | 0.50 | 1 |
| Silver | ND | | 0.055 | 0.50 | 1 |
| Thallium | 0.13 | J | 0.10 | 0.50 | 1 |
| Vanadium | 46 | | 0.064 | 0.50 | 1 |
| Zinc | 53 | | 1.4 | 5.0 | 1 |
| <u>Surrogates</u> | <u>REC (%)</u> | | <u>Limits</u> | | |
| Terbium | 107 | | 70-130 | | 09/01/2016 23:56 |
| <u>Analyst(s):</u> | BBO | | | | |



Analytical Report

Client: ERAS Environmental, Inc.
Date Received: 8/31/16 17:15
Date Prepared: 8/31/16
Project: 14-002-03

WorkOrder: 1608F84
Extraction Method: SW5030B
Analytical Method: SW8021B/8015Bm
Unit: mg/Kg

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|--------------------|----------------|-------------------|------------------|-----------------------------------|----------------------|
| B-1, 3.5-4' | 1608F84-007A | Soil | 08/30/2016 09:16 | GC19 | 125991 |
| <u>Analytes</u> | <u>Result</u> | <u>Qualifiers</u> | <u>MDL</u> | <u>RL</u> | <u>DF</u> |
| TPH(g) | 0.75 | J | 0.090 | 1.0 | 1 |
| MTBE | --- | | 0.0023 | 0.050 | 1 |
| Benzene | --- | | 0.0010 | 0.0050 | 1 |
| Toluene | --- | | 0.0012 | 0.0050 | 1 |
| Ethylbenzene | --- | | 0.0020 | 0.0050 | 1 |
| Xylenes | --- | | 0.0025 | 0.015 | 1 |
| <u>Surrogates</u> | <u>REC (%)</u> | | <u>Limits</u> | | |
| 2-Fluorotoluene | 71 | | 70-130 | | 09/03/2016 17:26 |
| <u>Analyst(s):</u> | LT | | | | |
| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
| B-2, 3.5-4' | 1608F84-009A | Soil | 08/30/2016 08:29 | GC19 | 126009 |
| <u>Analytes</u> | <u>Result</u> | <u>MDL</u> | <u>RL</u> | <u>DF</u> | <u>Date Analyzed</u> |
| TPH(g) | 70 | 1.8 | 20 | 20 | 09/03/2016 21:01 |
| MTBE | --- | 0.046 | 1.0 | 20 | 09/03/2016 21:01 |
| Benzene | --- | 0.020 | 0.10 | 20 | 09/03/2016 21:01 |
| Toluene | --- | 0.024 | 0.10 | 20 | 09/03/2016 21:01 |
| Ethylbenzene | --- | 0.040 | 0.10 | 20 | 09/03/2016 21:01 |
| Xylenes | --- | 0.050 | 0.30 | 20 | 09/03/2016 21:01 |
| <u>Surrogates</u> | <u>REC (%)</u> | | <u>Limits</u> | | |
| 2-Fluorotoluene | 106 | | 70-130 | | 09/03/2016 21:01 |
| <u>Analyst(s):</u> | LT | | | <u>Analytical Comments:</u> d2,d9 | |



Analytical Report

Client: ERAS Environmental, Inc.
Date Received: 8/31/16 17:15
Date Prepared: 9/4/16-9/7/16
Project: 14-002-03

WorkOrder: 1608F84
Extraction Method: SW5030B
Analytical Method: SW8021B/8015Bm
Unit: µg/L

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|--------------------|----------------|-------------------|------------------|-----------------------------|----------------------|
| B-1 | 1608F84-006A | Water | 08/30/2016 10:19 | GC3 | 126154 |
| <u>Analytes</u> | <u>Result</u> | <u>MDL</u> | <u>RL</u> | <u>DF</u> | <u>Date Analyzed</u> |
| TPH(g) | 2800 | 11 | 50 | 1 | 09/04/2016 17:16 |
| MTBE | --- | 0.36 | 60 | 1 | 09/04/2016 17:16 |
| Benzene | --- | 0.070 | 0.50 | 1 | 09/04/2016 17:16 |
| Toluene | --- | 0.14 | 0.50 | 1 | 09/04/2016 17:16 |
| Ethylbenzene | --- | 0.070 | 0.50 | 1 | 09/04/2016 17:16 |
| Xylenes | --- | 0.14 | 1.5 | 1 | 09/04/2016 17:16 |
| <u>Surrogates</u> | <u>REC (%)</u> | <u>Qualifiers</u> | <u>Limits</u> | | |
| aaa-TFT | 348 | S | 70-130 | | 09/04/2016 17:16 |
| <u>Analyst(s):</u> | IA | | | <u>Analytical Comments:</u> | d1,d17,c4 |
| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
| B-2 | 1608F84-008A | Water | 08/30/2016 09:10 | GC3 | 126154 |
| <u>Analytes</u> | <u>Result</u> | <u>MDL</u> | <u>RL</u> | <u>DF</u> | <u>Date Analyzed</u> |
| TPH(g) | 22,000 | 370 | 1700 | 33 | 09/07/2016 18:40 |
| MTBE | --- | 12 | 170 | 33 | 09/07/2016 18:40 |
| Benzene | --- | 2.3 | 17 | 33 | 09/07/2016 18:40 |
| Toluene | --- | 4.7 | 17 | 33 | 09/07/2016 18:40 |
| Ethylbenzene | --- | 2.3 | 17 | 33 | 09/07/2016 18:40 |
| Xylenes | --- | 4.7 | 50 | 33 | 09/07/2016 18:40 |
| <u>Surrogates</u> | <u>REC (%)</u> | | <u>Limits</u> | | |
| aaa-TFT | 108 | | 70-130 | | 09/07/2016 18:40 |
| <u>Analyst(s):</u> | IA | | | <u>Analytical Comments:</u> | d2 |



Analytical Report

Client: ERAS Environmental, Inc.
Date Received: 8/31/16 17:15
Date Prepared: 8/31/16
Project: 14-002-03

WorkOrder: 1608F84
Extraction Method: E200.8
Analytical Method: E200.8
Unit: µg/L

Dissolved Lead

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|-----------|--------------|------------|------------------|------------|----------|
| B-1 | 1608F84-006D | Water | 08/30/2016 10:19 | ICP-MS1 | 125951 |
| Analystes | Result | Qualifiers | MDL | RL | DF |
| Lead | 0.30 | J | 0.078 | 0.50 | 1 |

Analyst(s): DB

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|-----------|--------------|------------|------------------|------------|----------|
| B-2 | 1608F84-008D | Water | 08/30/2016 09:10 | ICP-MS2 | 125951 |
| Analystes | Result | Qualifiers | MDL | RL | DF |
| Lead | 1.1 | J | 0.78 | 5.0 | 10 |

Analyst(s): DVH

Analytical Comments: a1



Analytical Report

Client: ERAS Environmental, Inc.
Date Received: 8/31/16 17:15
Date Prepared: 8/31/16
Project: 14-002-03

WorkOrder: 1608F84
Extraction Method: SW3050B
Analytical Method: SW6020
Unit: mg/Kg

Lead

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|--------------------|----------------|------------|------------------|------------|----------------------|
| B-1, 3.5-4' | 1608F84-007A | Soil | 08/30/2016 09:16 | ICP-MS3 | 126006 |
| <u>Analytes</u> | <u>Result</u> | <u>MDL</u> | <u>RL</u> | <u>DF</u> | <u>Date Analyzed</u> |
| Lead | 48 | 0.094 | 0.50 | 1 | 09/01/2016 23:43 |
| <u>Surrogates</u> | <u>REC (%)</u> | | <u>Limits</u> | | |
| Terbium | 106 | | 70-130 | | 09/01/2016 23:43 |
| <u>Analyst(s):</u> | BBO | | | | |
| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
| B-2, 3.5-4' | 1608F84-009A | Soil | 08/30/2016 08:29 | ICP-MS3 | 126006 |
| <u>Analytes</u> | <u>Result</u> | <u>MDL</u> | <u>RL</u> | <u>DF</u> | <u>Date Analyzed</u> |
| Lead | 45 | 0.094 | 0.50 | 1 | 09/01/2016 23:50 |
| <u>Surrogates</u> | <u>REC (%)</u> | | <u>Limits</u> | | |
| Terbium | 101 | | 70-130 | | 09/01/2016 23:50 |
| <u>Analyst(s):</u> | BBO | | | | |



Analytical Report

Client: ERAS Environmental, Inc.
Date Received: 8/31/16 17:15
Date Prepared: 8/31/16
Project: 14-002-03

WorkOrder: 1608F84
Extraction Method: SW3550B/3630C
Analytical Method: SW8015B
Unit: mg/Kg

Total Extractable Petroleum Hydrocarbons with Silica Gel Clean-Up

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|-------------------------|----------------|-------------------|------------------|---------------|------------------|
| B-5, 3.5-4' | 1608F84-002A | Soil | 08/30/2016 11:53 | GC11B | 126008 |
| <u>Analyses</u> | <u>Result</u> | <u>Qualifiers</u> | <u>MDL</u> | <u>RL</u> | <u>DF</u> |
| TPH-Diesel (C10-C23) | 0.85 | J | 0.74 | 1.0 | 1 |
| TPH-Motor Oil (C18-C36) | ND | | 2.1 | 5.0 | 1 |
| <u>Surrogates</u> | <u>REC (%)</u> | | | <u>Limits</u> | |
| C9 | 109 | | | 70-130 | 09/06/2016 13:56 |
| <u>Analyst(s):</u> | TK | | | | |
| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
| B-5, 9.5-10' | 1608F84-003A | Soil | 08/30/2016 12:08 | GC11B | 126008 |
| <u>Analyses</u> | <u>Result</u> | <u>Qualifiers</u> | <u>MDL</u> | <u>RL</u> | <u>DF</u> |
| TPH-Diesel (C10-C23) | 0.77 | J | 0.74 | 1.0 | 1 |
| TPH-Motor Oil (C18-C36) | 4.4 | J | 2.1 | 5.0 | 1 |
| <u>Surrogates</u> | <u>REC (%)</u> | | | <u>Limits</u> | |
| C9 | 94 | | | 70-130 | 09/03/2016 13:52 |
| <u>Analyst(s):</u> | TK | | | | |
| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
| B-6, 4.5-5' | 1608F84-004A | Soil | 08/30/2016 14:00 | GC11B | 126008 |
| <u>Analyses</u> | <u>Result</u> | <u>Qualifiers</u> | <u>MDL</u> | <u>RL</u> | <u>DF</u> |
| TPH-Diesel (C10-C23) | ND | | 0.74 | 1.0 | 1 |
| TPH-Motor Oil (C18-C36) | 2.9 | J | 2.1 | 5.0 | 1 |
| <u>Surrogates</u> | <u>REC (%)</u> | | | <u>Limits</u> | |
| C9 | 92 | | | 70-130 | 09/03/2016 15:09 |
| <u>Analyst(s):</u> | TK | | | | |

(Cont.)

NELAP 4033ORELAP

 Angela Rydelius, Lab Manager



Analytical Report

Client: ERAS Environmental, Inc.
Date Received: 8/31/16 17:15
Date Prepared: 8/31/16
Project: 14-002-03

WorkOrder: 1608F84
Extraction Method: SW3550B/3630C
Analytical Method: SW8015B
Unit: mg/Kg

Total Extractable Petroleum Hydrocarbons with Silica Gel Clean-Up

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|-------------------------|----------------|-------------------|------------------|-----------------------------|----------------------|
| B-6, 7.5-8' | 1608F84-005A | Soil | 08/30/2016 14:06 | GC11B | 126008 |
| <u>Analyses</u> | <u>Result</u> | <u>Qualifiers</u> | <u>MDL</u> | <u>RL</u> | <u>DF</u> |
| TPH-Diesel (C10-C23) | ND | | 0.74 | 1.0 | 1 |
| TPH-Motor Oil (C18-C36) | 4.9 | J | 2.1 | 5.0 | 1 |
| <u>Surrogates</u> | <u>REC (%)</u> | | | <u>Limits</u> | |
| C9 | 93 | | | 70-130 | 09/05/2016 05:06 |
| <u>Analyst(s):</u> | TK | | | | |
| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
| B-1, 3.5-4' | 1608F84-007A | Soil | 08/30/2016 09:16 | GC11B | 126008 |
| <u>Analyses</u> | <u>Result</u> | <u>MDL</u> | <u>RL</u> | <u>DF</u> | <u>Date Analyzed</u> |
| TPH-Diesel (C10-C23) | 46 | 15 | 20 | 20 | 09/04/2016 21:19 |
| TPH-Motor Oil (C18-C36) | 490 | 42 | 100 | 20 | 09/04/2016 21:19 |
| <u>Surrogates</u> | <u>REC (%)</u> | | | <u>Limits</u> | |
| C9 | 95 | | | 70-130 | 09/04/2016 21:19 |
| <u>Analyst(s):</u> | TK | | | <u>Analytical Comments:</u> | e7,e2 |
| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
| B-2, 3.5-4' | 1608F84-009A | Soil | 08/30/2016 08:29 | GC11B | 126008 |
| <u>Analyses</u> | <u>Result</u> | <u>MDL</u> | <u>RL</u> | <u>DF</u> | <u>Date Analyzed</u> |
| TPH-Diesel (C10-C23) | 4.3 | 1.5 | 2.0 | 2 | 09/04/2016 22:37 |
| TPH-Motor Oil (C18-C36) | 22 | 4.2 | 10 | 2 | 09/04/2016 22:37 |
| <u>Surrogates</u> | <u>REC (%)</u> | | | <u>Limits</u> | |
| C9 | 86 | | | 70-130 | 09/04/2016 22:37 |
| <u>Analyst(s):</u> | TK | | | <u>Analytical Comments:</u> | e7,e2,e4 |



Analytical Report

Client: ERAS Environmental, Inc.
Date Received: 8/31/16 17:15
Date Prepared: 8/31/16
Project: 14-002-03

WorkOrder: 1608F84
Extraction Method: SW3510C/3630C
Analytical Method: SW8015B
Unit: µg/L

Total Extractable Petroleum Hydrocarbons w/ Silica Gel Clean-Up

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|-------------------------|----------------|------------|------------------|-----------------------------|----------------------|
| B-5 | 1608F84-001C | Water | 08/30/2016 13:05 | GC11A | 125973 |
| <u>Analytes</u> | <u>Result</u> | <u>MDL</u> | <u>RL</u> | <u>DF</u> | <u>Date Analyzed</u> |
| TPH-Diesel (C10-C23) | 9000 | 240 | 500 | 10 | 09/07/2016 00:10 |
| TPH-Motor Oil (C18-C36) | 4500 | 650 | 2500 | 10 | 09/07/2016 00:10 |
| <u>Surrogates</u> | <u>REC (%)</u> | | <u>Limits</u> | | |
| C26 | 99 | | 70-130 | | 09/07/2016 00:10 |
| <u>Analyst(s):</u> | TK | | | <u>Analytical Comments:</u> | e11,e7,e2,b6 |
| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
| B-1 | 1608F84-006A | Water | 08/30/2016 10:19 | GC6A | 125973 |
| <u>Analytes</u> | <u>Result</u> | <u>MDL</u> | <u>RL</u> | <u>DF</u> | <u>Date Analyzed</u> |
| TPH-Diesel (C10-C23) | 18,000 | 240 | 500 | 10 | 09/07/2016 12:24 |
| TPH-Motor Oil (C18-C36) | 3600 | 650 | 2500 | 10 | 09/07/2016 12:24 |
| <u>Surrogates</u> | <u>REC (%)</u> | | <u>Limits</u> | | |
| C9 | 117 | | 70-130 | | 09/07/2016 12:24 |
| <u>Analyst(s):</u> | TK | | | <u>Analytical Comments:</u> | e8,e7,e2,e11 |
| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
| B-2 | 1608F84-008A | Water | 08/30/2016 09:10 | GC11A | 125973 |
| <u>Analytes</u> | <u>Result</u> | <u>MDL</u> | <u>RL</u> | <u>DF</u> | <u>Date Analyzed</u> |
| TPH-Diesel (C10-C23) | 3800 | 470 | 1000 | 20 | 09/02/2016 19:37 |
| TPH-Motor Oil (C18-C36) | 6600 | 1300 | 5000 | 20 | 09/02/2016 19:37 |
| <u>Surrogates</u> | <u>REC (%)</u> | | <u>Limits</u> | | |
| C9 | 93 | | 70-130 | | 09/02/2016 19:37 |
| <u>Analyst(s):</u> | TK | | | <u>Analytical Comments:</u> | e7,e4 |



Quality Control Report

| | | | |
|-----------------------|--------------------------|---------------------------|-------------------------------------|
| Client: | ERAS Environmental, Inc. | WorkOrder: | 1608F84 |
| Date Prepared: | 8/31/16 | BatchID: | 125993 |
| Date Analyzed: | 9/1/16 | Extraction Method: | SW3550B |
| Instrument: | GC22 | Analytical Method: | SW8082 |
| Matrix: | Soil | Unit: | mg/kg |
| Project: | 14-002-03 | Sample ID: | MB/LCS-125993 1608F69-001AMS/MSD |

QC Summary Report for SW8082

| Analyte | MB Result | LCS Result | MDL | RL | SPK Val | MB SS %REC | LCS %REC | LCS Limits |
|-------------|-----------|------------|--------|-------|---------|------------|----------|------------|
| Aroclor1016 | ND | - | 0.0051 | 0.050 | - | - | - | - |
| Aroclor1221 | ND | - | 0.033 | 0.050 | - | - | - | - |
| Aroclor1232 | ND | - | 0.0032 | 0.050 | - | - | - | - |
| Aroclor1242 | ND | - | 0.0035 | 0.050 | - | - | - | - |
| Aroclor1248 | ND | - | 0.0036 | 0.050 | - | - | - | - |
| Aroclor1254 | ND | - | 0.0022 | 0.050 | - | - | - | - |
| Aroclor1260 | ND | 0.144 | 0.0085 | 0.050 | 0.15 | - | 96 | 70-130 |
| PCBs, total | ND | - | 0.033 | 0.050 | - | - | - | - |

Surrogate Recovery

| | | | | | | |
|--------------------|--------|--------|-------|-----|-----|--------|
| Decachlorobiphenyl | 0.0567 | 0.0553 | 0.050 | 113 | 111 | 70-130 |
|--------------------|--------|--------|-------|-----|-----|--------|

| Analyte | MS Result | MSD Result | SPK Val | SPKRef Val | MS %REC | MSD %REC | MS/MSD Limits | RPD | RPD Limit |
|---------------------------|-----------|------------|---------|------------|---------|----------|---------------|-----|-----------|
| Aroclor1260 | NR | NR | | ND<0.1 | NR | NR | - | NR | |
| Surrogate Recovery | | | | | | | | | |
| Decachlorobiphenyl | NR | NR | | | NR | NR | - | NR | |



Quality Control Report

Client: ERAS Environmental, Inc. **WorkOrder:** 1608F84
Date Prepared: 8/31/16 **BatchID:** 125996
Date Analyzed: 9/1/16 **Extraction Method:** SW3510C
Instrument: GC20 **Analytical Method:** SW8082
Matrix: Water **Unit:** µg/L
Project: 14-002-03 **Sample ID:** MB/LCS/LCSD-125996

QC Summary Report for SW8082

| Analyte | MB Result | MDL | RL | SPK Val | MB SS %REC | MB SS Limits |
|-------------|-----------|-------|------|---------|------------|--------------|
| Aroclor1016 | ND | 0.12 | 0.50 | - | - | - |
| Aroclor1221 | ND | 0.18 | 0.50 | - | - | - |
| Aroclor1232 | ND | 0.13 | 0.50 | - | - | - |
| Aroclor1242 | ND | 0.080 | 0.50 | - | - | - |
| Aroclor1248 | ND | 0.28 | 0.50 | - | - | - |
| Aroclor1254 | ND | 0.16 | 0.50 | - | - | - |
| Aroclor1260 | ND | 0.11 | 0.50 | - | - | - |
| PCBs, total | ND | 0.50 | 0.50 | - | - | - |

Surrogate Recovery

| | | | | |
|--------------------|------|------|-----|--------|
| Decachlorobiphenyl | 1.32 | 1.25 | 105 | 70-130 |
|--------------------|------|------|-----|--------|

| Analyte | LCS Result | LCSD Result | SPK Val | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Limit |
|---------------------------|------------|-------------|---------|----------|-----------|-----------------|-----|-----------|
| Aroclor1260 | 3.85 | 3.86 | 3.75 | 103 | 103 | 70-130 | 0 | 20 |
| Surrogate Recovery | | | | | | | | |
| Decachlorobiphenyl | 1.32 | 1.32 | 1.25 | 106 | 106 | 70-130 | 0 | 20 |



Quality Control Report

| | |
|---|--|
| Client: ERAS Environmental, Inc. Date Prepared: 8/31/16 Date Analyzed: 9/1/16 Instrument: GC10 Matrix: Soil Project: 14-002-03 | WorkOrder: 1608F84 BatchID: 126007 Extraction Method: SW5035 Analytical Method: SW8260B Unit: mg/Kg Sample ID: MB/LCS/LCSD-126007 |
|---|--|

QC Summary Report for SW8260B (Encore)

| Analyte | MB Result | MDL | RL | SPK Val | MB SS %REC | MB SS Limits |
|-------------------------------|-----------|--------|--------|---------|------------|--------------|
| Acetone | ND | 0.078 | 0.20 | - | - | - |
| tert-Amyl methyl ether (TAME) | ND | 0.0020 | 0.010 | - | - | - |
| Benzene | ND | 0.0032 | 0.010 | - | - | - |
| Bromobenzene | ND | 0.0034 | 0.010 | - | - | - |
| Bromoform | ND | 0.0030 | 0.010 | - | - | - |
| Bromochloromethane | ND | 0.0024 | 0.010 | - | - | - |
| Bromodichloromethane | ND | 0.0016 | 0.010 | - | - | - |
| Bromomethane | ND | 0.0040 | 0.010 | - | - | - |
| 2-Butanone (MEK) | ND | 0.011 | 0.040 | - | - | - |
| t-Butyl alcohol (TBA) | ND | 0.011 | 0.10 | - | - | - |
| n-Butyl benzene | ND | 0.0070 | 0.010 | - | - | - |
| sec-Butyl benzene | ND | 0.0068 | 0.010 | - | - | - |
| tert-Butyl benzene | ND | 0.0060 | 0.010 | - | - | - |
| Carbon Disulfide | ND | 0.0034 | 0.010 | - | - | - |
| Carbon Tetrachloride | ND | 0.0034 | 0.010 | - | - | - |
| Chlorobenzene | ND | 0.0036 | 0.010 | - | - | - |
| Chloroethane | ND | 0.0032 | 0.010 | - | - | - |
| Chloroform | ND | 0.0032 | 0.010 | - | - | - |
| Chloromethane | ND | 0.0034 | 0.010 | - | - | - |
| 2-Chlorotoluene | ND | 0.0044 | 0.010 | - | - | - |
| 4-Chlorotoluene | ND | 0.0042 | 0.010 | - | - | - |
| Dibromochloromethane | ND | 0.0022 | 0.010 | - | - | - |
| 1,2-Dibromo-3-chloropropane | ND | 0.0024 | 0.0080 | - | - | - |
| 1,2-Dibromoethane (EDB) | ND | 0.0026 | 0.0080 | - | - | - |
| Dibromomethane | ND | 0.0028 | 0.010 | - | - | - |
| 1,2-Dichlorobenzene | ND | 0.0028 | 0.010 | - | - | - |
| 1,3-Dichlorobenzene | ND | 0.0036 | 0.010 | - | - | - |
| 1,4-Dichlorobenzene | ND | 0.0036 | 0.010 | - | - | - |
| Dichlorodifluoromethane | ND | 0.0022 | 0.010 | - | - | - |
| 1,1-Dichloroethane | ND | 0.0034 | 0.010 | - | - | - |
| 1,2-Dichloroethane (1,2-DCA) | ND | 0.0028 | 0.010 | - | - | - |
| 1,1-Dichloroethene | ND | 0.0034 | 0.010 | - | - | - |
| cis-1,2-Dichloroethene | ND | 0.0030 | 0.010 | - | - | - |
| trans-1,2-Dichloroethene | ND | 0.0032 | 0.010 | - | - | - |
| 1,2-Dichloropropane | ND | 0.0028 | 0.010 | - | - | - |
| 1,3-Dichloropropane | ND | 0.0032 | 0.010 | - | - | - |
| 2,2-Dichloropropane | ND | 0.0026 | 0.010 | - | - | - |
| 1,1-Dichloropropene | ND | 0.0036 | 0.010 | - | - | - |
| cis-1,3-Dichloropropene | ND | 0.0030 | 0.010 | - | - | - |

(Cont.)

NELAP 4033ORELAP



QA/QC Officer



Quality Control Report

Client: ERAS Environmental, Inc. **WorkOrder:** 1608F84
Date Prepared: 8/31/16 **BatchID:** 126007
Date Analyzed: 9/1/16 **Extraction Method:** SW5035
Instrument: GC10 **Analytical Method:** SW8260B
Matrix: Soil **Unit:** mg/Kg
Project: 14-002-03 **Sample ID:** MB/LCS/LCSD-126007

QC Summary Report for SW8260B (Encore)

| Analyte | MB Result | MDL | RL | SPK Val | MB SS %REC | MB SS Limits |
|-------------------------------|-----------|--------|-------|---------|------------|--------------|
| trans-1,3-Dichloropropene | ND | 0.0028 | 0.010 | - | - | - |
| Diisopropyl ether (DIPE) | ND | 0.0028 | 0.010 | - | - | - |
| Ethylbenzene | ND | 0.0040 | 0.010 | - | - | - |
| Ethyl tert-butyl ether (ETBE) | ND | 0.0026 | 0.010 | - | - | - |
| Freon 113 | ND | 0.0032 | 0.010 | - | - | - |
| Hexachlorobutadiene | ND | 0.010 | 0.010 | - | - | - |
| Hexachloroethane | ND | 0.0050 | 0.010 | - | - | - |
| 2-Hexanone | ND | 0.0050 | 0.010 | - | - | - |
| Isopropylbenzene | ND | 0.0044 | 0.010 | - | - | - |
| 4-Isopropyl toluene | ND | 0.0062 | 0.010 | - | - | - |
| Methyl-t-butyl ether (MTBE) | ND | 0.0026 | 0.010 | - | - | - |
| Methylene chloride | 0.00748,J | 0.0072 | 0.010 | - | - | - |
| 4-Methyl-2-pentanone (MIBK) | ND | 0.0016 | 0.010 | - | - | - |
| Naphthalene | ND | 0.0012 | 0.010 | - | - | - |
| n-Propyl benzene | ND | 0.0058 | 0.010 | - | - | - |
| Styrene | ND | 0.0028 | 0.010 | - | - | - |
| 1,1,1,2-Tetrachloroethane | ND | 0.0032 | 0.010 | - | - | - |
| 1,1,2,2-Tetrachloroethane | ND | 0.0026 | 0.010 | - | - | - |
| Tetrachloroethene | ND | 0.0046 | 0.010 | - | - | - |
| Toluene | ND | 0.0044 | 0.010 | - | - | - |
| 1,2,3-Trichlorobenzene | ND | 0.0014 | 0.010 | - | - | - |
| 1,2,4-Trichlorobenzene | ND | 0.0022 | 0.010 | - | - | - |
| 1,1,1-Trichloroethane | ND | 0.0036 | 0.010 | - | - | - |
| 1,1,2-Trichloroethane | ND | 0.0032 | 0.010 | - | - | - |
| Trichloroethene | ND | 0.0034 | 0.010 | - | - | - |
| Trichlorofluoromethane | ND | 0.0032 | 0.010 | - | - | - |
| 1,2,3-Trichloropropane | ND | 0.0038 | 0.010 | - | - | - |
| 1,2,4-Trimethylbenzene | ND | 0.0048 | 0.010 | - | - | - |
| 1,3,5-Trimethylbenzene | ND | 0.0054 | 0.010 | - | - | - |
| Vinyl Chloride | ND | 0.0030 | 0.010 | - | - | - |
| Xylenes, Total | ND | 0.0050 | 0.010 | - | - | - |

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NELAP 4033ORELAP

 QA/QC Officer



Quality Control Report

Client: ERAS Environmental, Inc. **WorkOrder:** 1608F84
Date Prepared: 8/31/16 **BatchID:** 126007
Date Analyzed: 9/1/16 **Extraction Method:** SW5035
Instrument: GC10 **Analytical Method:** SW8260B
Matrix: Soil **Unit:** mg/Kg
Project: 14-002-03 **Sample ID:** MB/LCS/LCSD-126007

QC Summary Report for SW8260B (Encore)

| Analyte | MB Result | MDL | RL | SPK Val | MB SS %REC | MB SS Limits | | |
|-------------------------------|------------|-------------|---------|----------|------------|-----------------|-------|-----------|
| Surrogate Recovery | | | | | | | | |
| Dibromofluoromethane | 0.249 | | | 0.25 | 100 | 70-130 | | |
| Toluene-d8 | 0.263 | | | 0.25 | 105 | 70-130 | | |
| 4-BFB | 0.0244 | | | 0.025 | 98 | 70-130 | | |
| Benzene-d6 | 0.180 | | | 0.20 | 90 | 60-140 | | |
| Ethylbenzene-d10 | 0.219 | | | 0.20 | 109 | 60-140 | | |
| 1,2-DCB-d4 | 0.168 | | | 0.20 | 84 | 60-140 | | |
| | | | | | | | | |
| Analyte | LCS Result | LCSD Result | SPK Val | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Limit |
| tert-Amyl methyl ether (TAME) | 0.0876 | 0.0826 | 0.10 | 88 | 83 | 53-116 | 5.84 | 20 |
| Benzene | 0.0954 | 0.0895 | 0.10 | 95 | 89 | 63-137 | 6.44 | 20 |
| t-Butyl alcohol (TBA) | 0.388 | 0.337 | 0.40 | 97 | 84 | 41-135 | 14.1 | 20 |
| Chlorobenzene | 0.0992 | 0.0934 | 0.10 | 99 | 93 | 77-121 | 6.01 | 20 |
| 1,2-Dibromoethane (EDB) | 0.0971 | 0.0911 | 0.10 | 97 | 91 | 67-119 | 6.34 | 20 |
| 1,2-Dichloroethane (1,2-DCA) | 0.0937 | 0.0877 | 0.10 | 94 | 88 | 58-135 | 6.62 | 20 |
| 1,1-Dichloroethene | 0.0945 | 0.0835 | 0.10 | 94 | 84 | 42-145 | 12.3 | 20 |
| Diisopropyl ether (DIPE) | 0.0894 | 0.0838 | 0.10 | 89 | 84 | 52-129 | 6.53 | 20 |
| Ethyl tert-butyl ether (ETBE) | 0.0908 | 0.0854 | 0.10 | 91 | 85 | 53-125 | 6.10 | 20 |
| Methyl-t-butyl ether (MTBE) | 0.0908 | 0.0845 | 0.10 | 91 | 84 | 58-122 | 7.19 | 20 |
| Toluene | 0.106 | 0.101 | 0.10 | 106 | 101 | 76-130 | 4.01 | 20 |
| Trichloroethylene | 0.102 | 0.0953 | 0.10 | 102 | 95 | 72-132 | 6.51 | 20 |
| | | | | | | | | |
| Surrogate Recovery | | | | | | | | |
| Dibromofluoromethane | 0.253 | 0.254 | 0.25 | 101 | 102 | 70-130 | 0.513 | 20 |
| Toluene-d8 | 0.265 | 0.260 | 0.25 | 106 | 104 | 70-130 | 1.74 | 20 |
| 4-BFB | 0.0251 | 0.0254 | 0.025 | 100 | 102 | 70-130 | 1.33 | 20 |
| Benzene-d6 | 0.198 | 0.186 | 0.20 | 99 | 93 | 60-140 | 5.98 | 20 |
| Ethylbenzene-d10 | 0.235 | 0.220 | 0.20 | 117 | 110 | 60-140 | 6.51 | 20 |
| 1,2-DCB-d4 | 0.174 | 0.166 | 0.20 | 87 | 83 | 60-140 | 4.63 | 20 |



Quality Control Report

Client: ERAS Environmental, Inc. **WorkOrder:** 1608F84
Date Prepared: 9/1/16 **BatchID:** 126049
Date Analyzed: 9/1/16 **Extraction Method:** SW5030B
Instrument: GC28 **Analytical Method:** SW8260B
Matrix: Water **Unit:** µg/L
Project: 14-002-03 **Sample ID:** MB/LCS/LCSD-126049

QC Summary Report for SW8260B

| Analyte | MB Result | MDL | RL | SPK Val | MB SS %REC | MB SS Limits |
|-------------------------------|-----------|-------|------|---------|------------|--------------|
| Acetone | ND | 1.7 | 10 | - | - | - |
| tert-Amyl methyl ether (TAME) | ND | 0.22 | 0.50 | - | - | - |
| Benzene | ND | 0.051 | 0.50 | - | - | - |
| Bromobenzene | ND | 0.060 | 0.50 | - | - | - |
| Bromoform | ND | 0.090 | 0.50 | - | - | - |
| Bromochloromethane | ND | 0.20 | 0.50 | - | - | - |
| Bromodichloromethane | ND | 0.066 | 0.50 | - | - | - |
| Bromomethane | ND | 0.16 | 0.50 | - | - | - |
| 2-Butanone (MEK) | ND | 0.49 | 2.0 | - | - | - |
| t-Butyl alcohol (TBA) | ND | 0.94 | 2.0 | - | - | - |
| n-Butyl benzene | ND | 0.084 | 0.50 | - | - | - |
| sec-Butyl benzene | ND | 0.060 | 0.50 | - | - | - |
| tert-Butyl benzene | ND | 0.050 | 0.50 | - | - | - |
| Carbon Disulfide | ND | 0.066 | 0.50 | - | - | - |
| Carbon Tetrachloride | ND | 0.069 | 0.50 | - | - | - |
| Chlorobenzene | ND | 0.050 | 0.50 | - | - | - |
| Chloroethane | ND | 0.31 | 0.50 | - | - | - |
| Chloroform | ND | 0.064 | 0.50 | - | - | - |
| Chloromethane | ND | 0.13 | 0.50 | - | - | - |
| 2-Chlorotoluene | ND | 0.070 | 0.50 | - | - | - |
| 4-Chlorotoluene | ND | 0.070 | 0.50 | - | - | - |
| Dibromochloromethane | ND | 0.080 | 0.50 | - | - | - |
| 1,2-Dibromo-3-chloropropane | ND | 0.12 | 0.20 | - | - | - |
| 1,2-Dibromoethane (EDB) | ND | 0.12 | 0.50 | - | - | - |
| Dibromomethane | ND | 0.080 | 0.50 | - | - | - |
| 1,2-Dichlorobenzene | ND | 0.080 | 0.50 | - | - | - |
| 1,3-Dichlorobenzene | ND | 0.071 | 0.50 | - | - | - |
| 1,4-Dichlorobenzene | ND | 0.072 | 0.50 | - | - | - |
| Dichlorodifluoromethane | ND | 0.063 | 0.50 | - | - | - |
| 1,1-Dichloroethane | ND | 0.060 | 0.50 | - | - | - |
| 1,2-Dichloroethane (1,2-DCA) | ND | 0.090 | 0.50 | - | - | - |
| 1,1-Dichloroethylene | ND | 0.086 | 0.50 | - | - | - |
| cis-1,2-Dichloroethene | ND | 0.050 | 0.50 | - | - | - |
| trans-1,2-Dichloroethene | ND | 0.060 | 0.50 | - | - | - |
| 1,2-Dichloropropane | ND | 0.055 | 0.50 | - | - | - |
| 1,3-Dichloropropane | ND | 0.10 | 0.50 | - | - | - |
| 2,2-Dichloropropane | ND | 0.10 | 0.50 | - | - | - |
| 1,1-Dichloropropene | ND | 0.060 | 0.50 | - | - | - |
| cis-1,3-Dichloropropene | ND | 0.090 | 0.50 | - | - | - |

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NELAP 4033ORELAP

 QA/QC Officer



Quality Control Report

| | | | |
|-----------------------|--------------------------|---------------------------|--------------------|
| Client: | ERAS Environmental, Inc. | WorkOrder: | 1608F84 |
| Date Prepared: | 9/1/16 | BatchID: | 126049 |
| Date Analyzed: | 9/1/16 | Extraction Method: | SW5030B |
| Instrument: | GC28 | Analytical Method: | SW8260B |
| Matrix: | Water | Unit: | µg/L |
| Project: | 14-002-03 | Sample ID: | MB/LCS/LCSD-126049 |

QC Summary Report for SW8260B

| Analyte | MB Result | MDL | RL | SPK Val | MB SS %REC | MB SS Limits |
|-------------------------------|-----------|-------|------|---------|------------|--------------|
| trans-1,3-Dichloropropene | 0.221,J | 0.070 | 0.50 | - | - | - |
| Diisopropyl ether (DIPE) | ND | 0.070 | 0.50 | - | - | - |
| Ethylbenzene | ND | 0.050 | 0.50 | - | - | - |
| Ethyl tert-butyl ether (ETBE) | ND | 0.070 | 0.50 | - | - | - |
| Freon 113 | ND | 0.066 | 0.50 | - | - | - |
| Hexachlorobutadiene | ND | 0.085 | 0.50 | - | - | - |
| Hexachloroethane | ND | 0.060 | 0.50 | - | - | - |
| 2-Hexanone | ND | 0.44 | 0.50 | - | - | - |
| Isopropylbenzene | ND | 0.070 | 0.50 | - | - | - |
| 4-Isopropyl toluene | ND | 0.050 | 0.50 | - | - | - |
| Methyl-t-butyl ether (MTBE) | ND | 0.10 | 0.50 | - | - | - |
| Methylene chloride | 0.212,J | 0.052 | 0.50 | - | - | - |
| 4-Methyl-2-pentanone (MIBK) | ND | 0.24 | 0.50 | - | - | - |
| Naphthalene | 0.211,J | 0.16 | 0.50 | - | - | - |
| n-Propyl benzene | ND | 0.060 | 0.50 | - | - | - |
| Styrene | 0.256,J | 0.060 | 0.50 | - | - | - |
| 1,1,2,2-Tetrachloroethane | ND | 0.070 | 0.50 | - | - | - |
| 1,1,2,2-Tetrachloroethane | ND | 0.11 | 0.50 | - | - | - |
| Tetrachloroethene | ND | 0.082 | 0.50 | - | - | - |
| Toluene | ND | 0.040 | 0.50 | - | - | - |
| 1,2,3-Trichlorobenzene | ND | 0.11 | 0.50 | - | - | - |
| 1,2,4-Trichlorobenzene | ND | 0.086 | 0.50 | - | - | - |
| 1,1,1-Trichloroethane | ND | 0.050 | 0.50 | - | - | - |
| 1,1,2-Trichloroethane | ND | 0.080 | 0.50 | - | - | - |
| Trichloroethene | ND | 0.060 | 0.50 | - | - | - |
| Trichlorofluoromethane | ND | 0.047 | 0.50 | - | - | - |
| 1,2,3-Trichloropropane | ND | 0.14 | 0.50 | - | - | - |
| 1,2,4-Trimethylbenzene | ND | 0.065 | 0.50 | - | - | - |
| 1,3,5-Trimethylbenzene | ND | 0.070 | 0.50 | - | - | - |
| Vinyl Chloride | ND | 0.070 | 0.50 | - | - | - |
| Xylenes, Total | ND | 0.25 | 0.50 | - | - | - |
| Surrogate Recovery | | | | | | |
| Dibromofluoromethane | 22.6 | | 25 | 90 | | 70-130 |
| Toluene-d8 | 23.3 | | 25 | 93 | | 70-130 |
| 4-BFB | 1.93 | | 2.5 | 77 | | 70-130 |

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 QA/QC Officer



Quality Control Report

Client: ERAS Environmental, Inc. **WorkOrder:** 1608F84
Date Prepared: 9/1/16 **BatchID:** 126049
Date Analyzed: 9/1/16 **Extraction Method:** SW5030B
Instrument: GC28 **Analytical Method:** SW8260B
Matrix: Water **Unit:** µg/L
Project: 14-002-03 **Sample ID:** MB/LCS/LCSD-126049

QC Summary Report for SW8260B

| Analyte | LCS Result | LCSD Result | SPK Val | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Limit |
|-------------------------------|------------|-------------|---------|----------|-----------|-----------------|-------|-----------|
| tert-Amyl methyl ether (TAME) | 9.21 | 9.74 | 10 | 92 | 97 | 54-140 | 5.59 | 20 |
| Benzene | 9.21 | 9.01 | 10 | 92 | 90 | 47-158 | 2.17 | 20 |
| t-Butyl alcohol (TBA) | 30.7 | 32.3 | 40 | 77 | 81 | 42-140 | 4.89 | 20 |
| Chlorobenzene | 9.27 | 9.42 | 10 | 93 | 94 | 43-157 | 1.58 | 20 |
| 1,2-Dibromoethane (EDB) | 8.66 | 9.08 | 10 | 87 | 91 | 44-155 | 4.73 | 20 |
| 1,2-Dichloroethane (1,2-DCA) | 8.92 | 8.98 | 10 | 89 | 90 | 66-125 | 0.704 | 20 |
| 1,1-Dichloroethene | 9.50 | 8.98 | 10 | 95 | 90 | 47-149 | 5.60 | 20 |
| Diisopropyl ether (DIPE) | 9.43 | 9.74 | 10 | 94 | 97 | 57-136 | 3.27 | 20 |
| Ethyl tert-butyl ether (ETBE) | 9.36 | 9.82 | 10 | 94 | 98 | 55-137 | 4.83 | 20 |
| Methyl-t-butyl ether (MTBE) | 8.50 | 8.70 | 10 | 85 | 87 | 53-139 | 2.36 | 20 |
| Toluene | 9.21 | 9.14 | 10 | 92 | 91 | 52-137 | 0.735 | 20 |
| Trichloroethylene | 9.47 | 9.34 | 10 | 95 | 93 | 43-157 | 1.34 | 20 |
| Surrogate Recovery | | | | | | | | |
| Dibromofluoromethane | 23.6 | 23.0 | 25 | 94 | 92 | 70-130 | 2.37 | 20 |
| Toluene-d8 | 22.9 | 22.8 | 25 | 91 | 91 | 70-130 | 0 | 20 |
| 4-BFB | 2.17 | 2.22 | 2.5 | 87 | 89 | 70-130 | 2.23 | 20 |



Quality Control Report

Client: ERAS Environmental, Inc.
Date Prepared: 8/31/16
Date Analyzed: 8/31/16
Instrument: GC21
Matrix: Soil
Project: 14-002-03

WorkOrder: 1608F84
BatchID: 126010
Extraction Method: SW3550B
Analytical Method: SW8270C
Unit: mg/Kg
Sample ID: MB/LCS-126010

QC Summary Report for SW8270C

| Analyte | MB Result | LCS Result | MDL | RL | SPK Val | MB SS %REC | LCS %REC | LCS Limits |
|-------------------------------|-----------|------------|------|------|---------|------------|----------|------------|
| Acenaphthene | ND | 3.94 | 0.14 | 0.25 | 5 | - | 79 | 46-118 |
| Acenaphthylene | ND | - | 0.14 | 0.25 | - | - | - | - |
| Acetochlor | ND | - | 0.25 | 0.25 | - | - | - | - |
| Anthracene | ND | - | 0.14 | 0.25 | - | - | - | - |
| Benzidine | ND | - | 0.23 | 1.3 | - | - | - | - |
| Benzo (a) anthracene | ND | - | 0.14 | 0.25 | - | - | - | - |
| Benzo (a) pyrene | ND | - | 0.14 | 0.25 | - | - | - | - |
| Benzo (b) fluoranthene | ND | - | 0.14 | 0.25 | - | - | - | - |
| Benzo (g,h,i) perylene | ND | - | 0.15 | 0.25 | - | - | - | - |
| Benzo (k) fluoranthene | ND | - | 0.16 | 0.25 | - | - | - | - |
| Benzyl Alcohol | ND | - | 0.51 | 1.3 | - | - | - | - |
| 1,1-Biphenyl | ND | - | 0.15 | 0.25 | - | - | - | - |
| Bis (2-chloroethoxy) Methane | ND | - | 0.14 | 0.25 | - | - | - | - |
| Bis (2-chloroethyl) Ether | ND | - | 0.13 | 0.25 | - | - | - | - |
| Bis (2-chloroisopropyl) Ether | ND | - | 0.12 | 0.25 | - | - | - | - |
| Bis (2-ethylhexyl) Adipate | ND | - | 0.25 | 0.25 | - | - | - | - |
| Bis (2-ethylhexyl) Phthalate | ND | - | 0.13 | 0.25 | - | - | - | - |
| 4-Bromophenyl Phenyl Ether | ND | - | 0.16 | 0.25 | - | - | - | - |
| Butylbenzyl Phthalate | ND | - | 0.13 | 0.25 | - | - | - | - |
| 4-Chloroaniline | ND | - | 0.13 | 0.50 | - | - | - | - |
| 4-Chloro-3-methylphenol | ND | 3.95 | 0.12 | 0.25 | 5 | - | 79 | 49-123 |
| 2-Chloronaphthalene | ND | - | 0.16 | 0.25 | - | - | - | - |
| 2-Chlorophenol | ND | 4.28 | 0.14 | 0.25 | 5 | - | 86 | 55-116 |
| 4-Chlorophenyl Phenyl Ether | ND | - | 0.15 | 0.25 | - | - | - | - |
| Chrysene | ND | - | 0.14 | 0.25 | - | - | - | - |
| Dibenzo (a,h) anthracene | ND | - | 0.16 | 0.25 | - | - | - | - |
| Dibenzofuran | ND | - | 0.13 | 0.25 | - | - | - | - |
| Di-n-butyl Phthalate | ND | - | 0.13 | 0.25 | - | - | - | - |
| 1,2-Dichlorobenzene | ND | - | 0.12 | 0.25 | - | - | - | - |
| 1,3-Dichlorobenzene | ND | - | 0.14 | 0.25 | - | - | - | - |
| 1,4-Dichlorobenzene | ND | 3.63 | 0.13 | 0.25 | 5 | - | 73 | 50-102 |
| 3,3-Dichlorobenzidine | ND | - | 0.12 | 0.50 | - | - | - | - |
| 2,4-Dichlorophenol | ND | - | 0.13 | 0.25 | - | - | - | - |
| Diethyl Phthalate | ND | - | 0.14 | 0.25 | - | - | - | - |
| 2,4-Dimethylphenol | ND | - | 0.13 | 0.25 | - | - | - | - |
| Dimethyl Phthalate | ND | - | 0.14 | 0.25 | - | - | - | - |
| 4,6-Dinitro-2-methylphenol | ND | - | 0.13 | 1.3 | - | - | - | - |

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NELAP 4033ORELAP



QA/QC Officer



Quality Control Report

Client: ERAS Environmental, Inc.
Date Prepared: 8/31/16
Date Analyzed: 8/31/16
Instrument: GC21
Matrix: Soil
Project: 14-002-03

WorkOrder: 1608F84
BatchID: 126010
Extraction Method: SW3550B
Analytical Method: SW8270C
Unit: mg/Kg
Sample ID: MB/LCS-126010

QC Summary Report for SW8270C

| Analyte | MB Result | LCS Result | MDL | RL | SPK Val | MB SS %REC | LCS %REC | LCS Limits |
|---------------------------------|-----------|------------|------|------|---------|------------|----------|------------|
| 2,4-Dinitrophenol | ND | - | 1.3 | 6.3 | - | - | - | - |
| 2,4-Dinitrotoluene | ND | 4.30 | 0.13 | 0.25 | 5 | - | 86 | 47-117 |
| 2,6-Dinitrotoluene | ND | - | 0.14 | 0.25 | - | - | - | - |
| Di-n-octyl Phthalate | ND | - | 0.14 | 0.50 | - | - | - | - |
| 1,2-Diphenylhydrazine | ND | - | 0.16 | 0.25 | - | - | - | - |
| Fluoranthene | ND | - | 0.13 | 0.25 | - | - | - | - |
| Fluorene | ND | - | 0.14 | 0.25 | - | - | - | - |
| Hexachlorobenzene | ND | - | 0.17 | 0.25 | - | - | - | - |
| Hexachlorobutadiene | ND | - | 0.15 | 0.25 | - | - | - | - |
| Hexachlorocyclopentadiene | ND | - | 0.73 | 1.3 | - | - | - | - |
| Hexachloroethane | ND | - | 0.14 | 0.25 | - | - | - | - |
| Indeno (1,2,3-cd) pyrene | ND | - | 0.14 | 0.25 | - | - | - | - |
| Isophorone | ND | - | 0.12 | 0.25 | - | - | - | - |
| 2-Methylnaphthalene | ND | - | 0.14 | 0.25 | - | - | - | - |
| 2-Methylphenol (o-Cresol) | ND | - | 0.14 | 0.25 | - | - | - | - |
| 3 & 4-Methylphenol (m,p-Cresol) | ND | - | 0.12 | 0.25 | - | - | - | - |
| Naphthalene | ND | - | 0.13 | 0.25 | - | - | - | - |
| 2-Nitroaniline | ND | - | 0.62 | 1.3 | - | - | - | - |
| 3-Nitroaniline | ND | - | 0.59 | 1.3 | - | - | - | - |
| 4-Nitroaniline | ND | - | 0.55 | 1.3 | - | - | - | - |
| Nitrobenzene | ND | - | 0.14 | 0.25 | - | - | - | - |
| 2-Nitrophenol | ND | - | 0.64 | 1.3 | - | - | - | - |
| 4-Nitrophenol | ND | 3.68 | 0.41 | 1.3 | 5 | - | 74 | 40-102 |
| N-Nitrosodiphenylamine | ND | - | 0.16 | 0.25 | - | - | - | - |
| N-Nitrosodi-n-propylamine | ND | 3.64 | 0.13 | 0.25 | 5 | - | 73 | 47-108 |
| Pentachlorophenol | ND | 3.49 | 0.32 | 1.3 | 5 | - | 70 | 39-134 |
| Phenanthrene | ND | - | 0.14 | 0.25 | - | - | - | - |
| Phenol | ND | 3.52 | 0.12 | 0.25 | 5 | - | 70 | 49-107 |
| Pyrene | ND | 4.03 | 0.13 | 0.25 | 5 | - | 81 | 55-124 |
| 1,2,4-Trichlorobenzene | ND | 4.26 | 0.14 | 0.25 | 5 | - | 85 | 51-121 |
| 2,4,5-Trichlorophenol | ND | - | 0.12 | 0.25 | - | - | - | - |
| 2,4,6-Trichlorophenol | ND | - | 0.14 | 0.25 | - | - | - | - |

(Cont.)

NELAP 4033ORELAP

 QA/QC Officer



Quality Control Report

Client: ERAS Environmental, Inc. **WorkOrder:** 1608F84
Date Prepared: 8/31/16 **BatchID:** 126010
Date Analyzed: 8/31/16 **Extraction Method:** SW3550B
Instrument: GC21 **Analytical Method:** SW8270C
Matrix: Soil **Unit:** mg/Kg
Project: 14-002-03 **Sample ID:** MB/LCS-126010

QC Summary Report for SW8270C

| Analyte | MB Result | LCS Result | MDL | RL | SPK Val | MB SS %REC | LCS %REC | LCS Limits |
|---------------------------|-----------|------------|-----|----|---------|------------|----------|------------|
| Surrogate Recovery | | | | | | | | |
| 2-Fluorophenol | 4.92 | 4.62 | | 5 | 98 | 92 | 47-125 | |
| Phenol-d5 | 4.54 | 4.38 | | 5 | 91 | 88 | 45-117 | |
| Nitrobenzene-d5 | 4.22 | 4.25 | | 5 | 84 | 85 | 39-121 | |
| 2-Fluorobiphenyl | 4.25 | 4.15 | | 5 | 85 | 83 | 35-120 | |
| 2,4,6-Tribromophenol | 4.00 | 3.64 | | 5 | 80 | 73 | 32-111 | |
| 4-Terphenyl-d14 | 3.87 | 4.07 | | 5 | 77 | 81 | 32-128 | |



Quality Control Report

| | | | |
|-----------------------|--------------------------|---------------------------|--------------------|
| Client: | ERAS Environmental, Inc. | WorkOrder: | 1608F84 |
| Date Prepared: | 8/31/16 | BatchID: | 125960 |
| Date Analyzed: | 8/31/16 | Extraction Method: | E625 |
| Instrument: | GC21 | Analytical Method: | SW8270C |
| Matrix: | Water | Unit: | µg/L |
| Project: | 14-002-03 | Sample ID: | MB/LCS/LCSD-125960 |

QC Summary Report for SW8270C

| Analyte | MB Result | MDL | RL | SPK Val | MB SS %REC | MB SS Limits |
|-------------------------------|-----------|-------|-----|---------|------------|--------------|
| Acenaphthene | ND | 0.24 | 2.0 | - | - | - |
| Acenaphthylene | ND | 0.26 | 2.0 | - | - | - |
| Acetochlor | ND | 1.0 | 2.0 | - | - | - |
| Anthracene | ND | 0.15 | 2.0 | - | - | - |
| Benzidine | ND | 0.29 | 10 | - | - | - |
| Benzo (a) anthracene | ND | 0.16 | 2.0 | - | - | - |
| Benzo (a) pyrene | ND | 0.17 | 2.0 | - | - | - |
| Benzo (b) fluoranthene | ND | 0.16 | 2.0 | - | - | - |
| Benzo (g,h,i) perylene | ND | 0.18 | 2.0 | - | - | - |
| Benzo (k) fluoranthene | ND | 0.20 | 2.0 | - | - | - |
| Benzyl Alcohol | ND | 1.5 | 10 | - | - | - |
| 1,1-Biphenyl | ND | 0.26 | 2.0 | - | - | - |
| Bis (2-chloroethoxy) Methane | ND | 0.30 | 2.0 | - | - | - |
| Bis (2-chloroethyl) Ether | ND | 0.24 | 2.0 | - | - | - |
| Bis (2-chloroisopropyl) Ether | ND | 0.28 | 2.0 | - | - | - |
| Bis (2-ethylhexyl) Adipate | ND | 2.0 | 2.0 | - | - | - |
| Bis (2-ethylhexyl) Phthalate | ND | 0.34 | 4.0 | - | - | - |
| 4-Bromophenyl Phenyl Ether | ND | 0.17 | 10 | - | - | - |
| Butylbenzyl Phthalate | ND | 0.29 | 2.0 | - | - | - |
| 4-Chloroaniline | ND | 0.33 | 4.0 | - | - | - |
| 4-Chloro-3-methylphenol | ND | 0.27 | 10 | - | - | - |
| 2-Chloronaphthalene | ND | 0.25 | 2.0 | - | - | - |
| 2-Chlorophenol | ND | 0.26 | 2.0 | - | - | - |
| 4-Chlorophenyl Phenyl Ether | ND | 0.20 | 2.0 | - | - | - |
| Chrysene | ND | 0.18 | 2.0 | - | - | - |
| Dibenzo (a,h) anthracene | ND | 0.19 | 2.0 | - | - | - |
| Dibenzofuran | ND | 0.21 | 2.0 | - | - | - |
| Di-n-butyl Phthalate | ND | 0.30 | 2.0 | - | - | - |
| 1,2-Dichlorobenzene | ND | 0.23 | 2.0 | - | - | - |
| 1,3-Dichlorobenzene | ND | 0.22 | 2.0 | - | - | - |
| 1,4-Dichlorobenzene | ND | 0.22 | 2.0 | - | - | - |
| 3,3-Dichlorobenzidine | ND | 0.14 | 4.0 | - | - | - |
| 2,4-Dichlorophenol | ND | 0.28 | 2.0 | - | - | - |
| Diethyl Phthalate | ND | 0.15 | 2.0 | - | - | - |
| 2,4-Dimethylphenol | ND | 0.098 | 2.0 | - | - | - |
| Dimethyl Phthalate | ND | 0.18 | 2.0 | - | - | - |
| 4,6-Dinitro-2-methylphenol | ND | 0.98 | 10 | - | - | - |
| 2,4-Dinitrophenol | ND | 0.87 | 25 | - | - | - |
| 2,4-Dinitrotoluene | ND | 0.17 | 2.0 | - | - | - |

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NELAP 4033ORELAP



QA/QC Officer



Quality Control Report

| | | | |
|-----------------------|--------------------------|---------------------------|--------------------|
| Client: | ERAS Environmental, Inc. | WorkOrder: | 1608F84 |
| Date Prepared: | 8/31/16 | BatchID: | 125960 |
| Date Analyzed: | 8/31/16 | Extraction Method: | E625 |
| Instrument: | GC21 | Analytical Method: | SW8270C |
| Matrix: | Water | Unit: | µg/L |
| Project: | 14-002-03 | Sample ID: | MB/LCS/LCSD-125960 |

QC Summary Report for SW8270C

| Analyte | MB Result | MDL | RL | SPK Val | MB SS %REC | MB SS Limits |
|---------------------------------|-----------|------|-----|---------|------------|--------------|
| 2,6-Dinitrotoluene | ND | 0.20 | 2.0 | - | - | - |
| Di-n-octyl Phthalate | ND | 0.27 | 2.0 | - | - | - |
| 1,2-Diphenylhydrazine | ND | 0.16 | 2.0 | - | - | - |
| Fluoranthene | ND | 0.18 | 2.0 | - | - | - |
| Fluorene | ND | 0.20 | 2.0 | - | - | - |
| Hexachlorobenzene | ND | 0.18 | 2.0 | - | - | - |
| Hexachlorobutadiene | ND | 0.24 | 2.0 | - | - | - |
| Hexachlorocyclopentadiene | ND | 1.2 | 10 | - | - | - |
| Hexachloroethane | ND | 0.29 | 2.0 | - | - | - |
| Indeno (1,2,3-cd) pyrene | ND | 0.19 | 2.0 | - | - | - |
| Isophorone | ND | 0.32 | 2.0 | - | - | - |
| 2-Methylnaphthalene | ND | 0.29 | 2.0 | - | - | - |
| 2-Methylphenol (o-Cresol) | ND | 0.19 | 2.0 | - | - | - |
| 3 & 4-Methylphenol (m,p-Cresol) | ND | 0.19 | 2.0 | - | - | - |
| Naphthalene | ND | 0.24 | 2.0 | - | - | - |
| 2-Nitroaniline | ND | 1.3 | 10 | - | - | - |
| 3-Nitroaniline | ND | 1.2 | 10 | - | - | - |
| 4-Nitroaniline | ND | 1.2 | 10 | - | - | - |
| Nitrobenzene | ND | 0.32 | 2.0 | - | - | - |
| 2-Nitrophenol | ND | 1.4 | 10 | - | - | - |
| 4-Nitrophenol | ND | 1.7 | 10 | - | - | - |
| N-Nitrosodiphenylamine | ND | 0.18 | 2.0 | - | - | - |
| N-Nitrosodi-n-propylamine | ND | 0.35 | 2.0 | - | - | - |
| Pentachlorophenol | ND | 0.50 | 10 | - | - | - |
| Phenanthrene | ND | 0.22 | 2.0 | - | - | - |
| Phenol | ND | 0.34 | 2.0 | - | - | - |
| Pyrene | ND | 0.24 | 2.0 | - | - | - |
| 1,2,4-Trichlorobenzene | ND | 0.22 | 2.0 | - | - | - |
| 2,4,5-Trichlorophenol | ND | 0.21 | 2.0 | - | - | - |
| 2,4,6-Trichlorophenol | ND | 0.23 | 2.0 | - | - | - |

Surrogate Recovery

| | | | | |
|----------------------|------|----|-----|--------|
| 2-Fluorophenol | 20.5 | 20 | 103 | 8-130 |
| Phenol-d5 | 19.5 | 20 | 97 | 5-130 |
| Nitrobenzene-d5 | 19.4 | 20 | 97 | 20-140 |
| 2-Fluorobiphenyl | 19.4 | 20 | 97 | 40-140 |
| 2,4,6-Tribromophenol | 16.2 | 20 | 81 | 16-180 |
| 4-Terphenyl-d14 | 20.0 | 20 | 100 | 40-170 |

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Quality Control Report

Client: ERAS Environmental, Inc. **WorkOrder:** 1608F84
Date Prepared: 8/31/16 **BatchID:** 125960
Date Analyzed: 8/31/16 **Extraction Method:** E625
Instrument: GC21 **Analytical Method:** SW8270C
Matrix: Water **Unit:** µg/L
Project: 14-002-03 **Sample ID:** MB/LCS/LCSD-125960

QC Summary Report for SW8270C

| Analyte | LCS Result | LCSD Result | SPK Val | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Limit |
|---------------------------|------------|-------------|---------|----------|-----------|-----------------|-------|-----------|
| Acenaphthene | 9.82 | 9.06 | 10 | 98 | 91 | 63-119 | 8.13 | 25 |
| 4-Chloro-3-methylphenol | 9.28,J | 8.52 | 10 | 93 | 85 | 69-127 | 8.45 | 25 |
| 2-Chlorophenol | 9.38 | 9.08 | 10 | 94 | 91 | 49-119 | 3.25 | 25 |
| 1,4-Dichlorobenzene | 8.58 | 8.53 | 10 | 86 | 85 | 43-114 | 0.602 | 25 |
| 2,4-Dinitrotoluene | 10.1 | 9.42 | 10 | 101 | 94 | 68-125 | 6.81 | 25 |
| 4-Nitrophenol | 44.3 | 41.1 | 50 | 89 | 82 | 60-126 | 7.64 | 25 |
| N-Nitrosodi-n-propylamine | 8.92 | 8.59 | 10 | 89 | 86 | 61-120 | 3.87 | 25 |
| Pentachlorophenol | 16.5 | 14.9 | 20 | 83 | 74 | 50-146 | 10.4 | 25 |
| Phenol | 8.28 | 7.76 | 10 | 83 | 78 | 52-119 | 6.49 | 25 |
| Pyrene | 9.61 | 8.91 | 10 | 96 | 89 | 67-132 | 7.58 | 25 |
| 1,2,4-Trichlorobenzene | 9.95 | 9.17 | 10 | 99 | 92 | 50-121 | 8.16 | 25 |
| Surrogate Recovery | | | | | | | | |
| 2-Fluorophenol | 19.4 | 18.5 | 20 | 97 | 92 | 8-130 | 4.61 | 25 |
| Phenol-d5 | 20.2 | 19.3 | 20 | 101 | 96 | 5-130 | 4.41 | 25 |
| Nitrobenzene-d5 | 20.4 | 18.7 | 20 | 102 | 94 | 20-140 | 8.66 | 25 |
| 2-Fluorobiphenyl | 20.6 | 19.7 | 20 | 103 | 98 | 40-140 | 4.77 | 25 |
| 2,4,6-Tribromophenol | 17.5 | 17.3 | 20 | 87 | 86 | 16-180 | 1.06 | 25 |
| 4-Terphenyl-d14 | 20.2 | 18.8 | 20 | 101 | 94 | 40-170 | 7.44 | 25 |



Quality Control Report

Client: ERAS Environmental, Inc. **WorkOrder:** 1608F84
Date Prepared: 8/30/16 **BatchID:** 125951
Date Analyzed: 8/30/16 **Extraction Method:** E200.8
Instrument: ICP-MS2 **Analytical Method:** E200.8
Matrix: Water **Unit:** µg/L
Project: 14-002-03 **Sample ID:** MB/LCS-125951
1608E59-001AMS/MSD

QC Summary Report for Dissolved Metals

| Analyte | MB Result | LCS Result | MDL | RL | SPK Val | MB SS %REC | LCS %REC | LCS Limits |
|------------|-----------|------------|-------|-------|---------|------------|----------|------------|
| Antimony | ND | 46.3 | 0.061 | 0.50 | 50 | - | 93 | 85-115 |
| Arsenic | ND | 49.6 | 0.19 | 0.50 | 50 | - | 99 | 85-115 |
| Barium | ND | 490 | 1.1 | 5.0 | 500 | - | 98 | 85-115 |
| Beryllium | ND | 47.2 | 0.051 | 0.50 | 50 | - | 94 | 85-115 |
| Cadmium | ND | 48.2 | 0.040 | 0.25 | 50 | - | 96 | 85-115 |
| Chromium | ND | 48.4 | 0.14 | 0.50 | 50 | - | 97 | 85-115 |
| Cobalt | ND | 44.2 | 0.048 | 0.50 | 50 | - | 88 | 85-115 |
| Copper | ND | 48.0 | 0.10 | 2.0 | 50 | - | 96 | 85-115 |
| Iron | ND | 5040 | 4.4 | 20 | 5000 | - | 101 | 85-115 |
| Lead | ND | 44.5 | 0.078 | 0.50 | 50 | - | 89 | 85-115 |
| Mercury | 0.0186,J | 1.25 | 0.010 | 0.050 | 1.25 | - | 100 | 85-115 |
| Molybdenum | ND | 48.4 | 0.26 | 0.50 | 50 | - | 97 | 85-115 |
| Nickel | ND | 47.9 | 0.18 | 0.50 | 50 | - | 96 | 85-115 |
| Selenium | ND | 47.6 | 0.15 | 0.50 | 50 | - | 95 | 85-115 |
| Silver | ND | 44.7 | 0.025 | 0.19 | 50 | - | 89 | 85-115 |
| Thallium | ND | 43.0 | 0.026 | 0.50 | 50 | - | 86 | 85-115 |
| Vanadium | ND | 48.8 | 0.059 | 0.50 | 50 | - | 98 | 85-115 |
| Zinc | ND | 486 | 5.0 | 15 | 500 | - | 97 | 85-115 |

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 QA/QC Officer



Quality Control Report

Client: ERAS Environmental, Inc. **WorkOrder:** 1608F84
Date Prepared: 8/30/16 **BatchID:** 125951
Date Analyzed: 8/30/16 **Extraction Method:** E200.8
Instrument: ICP-MS2 **Analytical Method:** E200.8
Matrix: Water **Unit:** µg/L
Project: 14-002-03 **Sample ID:** MB/LCS-125951
1608E59-001AMS/MSD

QC Summary Report for Dissolved Metals

| Analyte | MS Result | MSD Result | SPK Val | SPKRef Val | MS %REC | MSD %REC | MS/MSD Limits | RPD | RPD Limit |
|------------|-----------|------------|---------|------------|---------|----------|---------------|-------|-----------|
| Antimony | 50.3 | 50.4 | 50 | ND | 97 | 97 | 70-130 | 0 | 20 |
| Arsenic | 62.2 | 60.9 | 50 | 12 | 101 | 98 | 70-130 | 2.16 | 20 |
| Barium | 493 | 495 | 500 | ND | 94 | 94 | 70-130 | 0 | 20 |
| Beryllium | 48.9 | 49.9 | 50 | ND | 98 | 100 | 70-130 | 2.01 | 20 |
| Cadmium | 54.4 | 53.9 | 50 | 4.4 | 100 | 99 | 70-130 | 0.886 | 20 |
| Chromium | 49.9 | 49.9 | 50 | ND | 100 | 100 | 70-130 | 0 | 20 |
| Cobalt | 51.6 | 51.6 | 50 | 5.8 | 92 | 92 | 70-130 | 0 | 20 |
| Copper | NR | NR | 50 | 7800 | NR | NR | 70-130 | NR | 20 |
| Iron | 5380 | 5330 | 5000 | ND | 106 | 105 | 70-130 | 0.822 | 20 |
| Lead | 50.2 | 49.7 | 50 | ND | 97 | 96 | 70-130 | 0.941 | 20 |
| Mercury | 1.44 | 1.54 | 1.25 | ND | 115 | 124 | 70-130 | 7.25 | 20 |
| Molybdenum | 56.3 | 56.6 | 50 | ND | 103 | 104 | 70-130 | 0.673 | 20 |
| Nickel | 57.7 | 59.8 | 50 | 9.5 | 97 | 101 | 70-130 | 3.56 | 20 |
| Selenium | 52.6 | 51.4 | 50 | ND | 102 | 99 | 70-130 | 2.23 | 20 |
| Silver | 45.0 | 45.3 | 50 | ND | 90 | 91 | 70-130 | 0.731 | 20 |
| Thallium | 46.9 | 46.3 | 50 | ND | 94 | 93 | 70-130 | 1.33 | 20 |
| Vanadium | 57.9 | 56.9 | 50 | 6.5 | 103 | 101 | 70-130 | 1.74 | 20 |
| Zinc | 2730 | 2740 | 500 | 2300 | 86 | 87 | 70-130 | 0.110 | 20 |



Quality Control Report

Client: ERAS Environmental, Inc. **WorkOrder:** 1608F84
Date Prepared: 8/31/16 **BatchID:** 126006
Date Analyzed: 9/1/16 **Extraction Method:** SW3050B
Instrument: ICP-MS3 **Analytical Method:** SW6020
Matrix: Soil **Unit:** mg/Kg
Project: 14-002-03 **Sample ID:** MB/LCS-126006
1608F84-002AMS/MSD
1608F84-002APDS

QC Summary Report for Metals

| Analyte | MB Result | LCS Result | MDL | RL | SPK Val | MB SS %REC | LCS %REC | LCS Limits |
|---------------------------|-----------|------------|--------|-------|---------|------------|----------|------------|
| Antimony | ND | 51.0 | 0.094 | 0.50 | 50 | - | 102 | 75-125 |
| Arsenic | ND | 52.7 | 0.14 | 0.50 | 50 | - | 105 | 75-125 |
| Barium | ND | 534 | 0.97 | 5.0 | 500 | - | 107 | 75-125 |
| Beryllium | ND | 46.4 | 0.072 | 0.50 | 50 | - | 93 | 75-125 |
| Cadmium | ND | 52.4 | 0.058 | 0.25 | 50 | - | 105 | 75-125 |
| Chromium | ND | 50.4 | 0.092 | 0.50 | 50 | - | 101 | 75-125 |
| Cobalt | ND | 47.9 | 0.056 | 0.50 | 50 | - | 96 | 75-125 |
| Copper | 0.167,J | 50.9 | 0.069 | 0.50 | 50 | - | 102 | 75-125 |
| Lead | ND | 50.3 | 0.094 | 0.50 | 50 | - | 101 | 75-125 |
| Mercury | ND | 1.28 | 0.0050 | 0.050 | 1.25 | - | 103 | 75-125 |
| Molybdenum | ND | 48.0 | 0.23 | 0.50 | 50 | - | 96 | 75-125 |
| Nickel | ND | 50.6 | 0.072 | 0.50 | 50 | - | 101 | 75-125 |
| Selenium | ND | 52.0 | 0.13 | 0.50 | 50 | - | 104 | 75-125 |
| Silver | ND | 49.9 | 0.055 | 0.50 | 50 | - | 100 | 75-125 |
| Thallium | ND | 51.2 | 0.10 | 0.50 | 50 | - | 102 | 75-125 |
| Vanadium | ND | 50.7 | 0.064 | 0.50 | 50 | - | 101 | 75-125 |
| Zinc | ND | 512 | 1.4 | 5.0 | 500 | - | 102 | 75-125 |
| Surrogate Recovery | | | | | | | | |
| Terbium | 497 | 530 | | | 500 | 99 | 106 | 70-130 |

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 QA/QC Officer



Quality Control Report

| | | | |
|-----------------------|--------------------------|---------------------------|--|
| Client: | ERAS Environmental, Inc. | WorkOrder: | 1608F84 |
| Date Prepared: | 8/31/16 | BatchID: | 126006 |
| Date Analyzed: | 9/1/16 | Extraction Method: | SW3050B |
| Instrument: | ICP-MS3 | Analytical Method: | SW6020 |
| Matrix: | Soil | Unit: | mg/Kg |
| Project: | 14-002-03 | Sample ID: | MB/LCS-126006 1608F84-002AMS/MSD 1608F84-002APDS |

QC Summary Report for Metals

| Analyte | MS Result | MSD Result | SPK Val | SPKRef Val | MS %REC | MSD %REC | MS/MSD Limits | RPD | RPD Limit |
|------------|-----------|------------|---------|------------|---------|----------|---------------|----------|-----------|
| Antimony | 50.6 | 54.1 | 50 | ND | 101 | 108 | 75-125 | 6.65 | 20 |
| Arsenic | 59.1 | 58.0 | 50 | 2.674 | 113 | 111 | 75-125 | 1.84 | 20 |
| Barium | 703 | 796 | 500 | 174.0 | 106 | 124 | 75-125 | 12.3 | 20 |
| Beryllium | 44.3 | 47.2 | 50 | ND | 88 | 94 | 75-125 | 6.32 | 20 |
| Cadmium | 51.3 | 54.7 | 50 | ND | 103 | 109 | 75-125 | 6.47 | 20 |
| Chromium | 116 | 129 | 50 | 60.03 | 112 | 138,F10 | 75-125 | 10.5 | 20 |
| Cobalt | 56.9 | 63.4 | 50 | 9.559 | 95 | 108 | 75-125 | 10.9 | 20 |
| Copper | 65.7 | 71.1 | 50 | 16.79 | 98 | 109 | 75-125 | 7.90 | 20 |
| Lead | 69.5 | 98.5 | 50 | 5.771 | 127,F10 | 185,F10 | 75-125 | 34.5,F10 | 20 |
| Mercury | 1.34 | 1.39 | 1.25 | 0.08570 | 100 | 104 | 75-125 | 4.11 | 20 |
| Molybdenum | 48.1 | 51.7 | 50 | ND | 96 | 103 | 75-125 | 7.36 | 20 |
| Nickel | 120 | 137 | 50 | 63.47 | 114 | 147,F10 | 75-125 | 12.9 | 20 |
| Selenium | 50.4 | 52.7 | 50 | ND | 100 | 105 | 75-125 | 4.44 | 20 |
| Silver | 49.4 | 52.3 | 50 | ND | 99 | 104 | 75-125 | 5.60 | 20 |
| Thallium | 51.4 | 54.4 | 50 | ND | 103 | 109 | 75-125 | 5.57 | 20 |
| Vanadium | 101 | 105 | 50 | 38.24 | 126,F10 | 134,F10 | 75-125 | 3.97 | 20 |
| Zinc | 532 | 564 | 500 | 31.00 | 100 | 107 | 75-125 | 5.85 | 20 |

Surrogate Recovery

| | | | | | | | | |
|---------|-----|-----|-----|-----|-----|--------|------|----|
| Terbium | 521 | 571 | 500 | 104 | 114 | 70-130 | 9.22 | 20 |
|---------|-----|-----|-----|-----|-----|--------|------|----|

| Analyte | PDS Result | SPK Val | SPKRef Val | PDS %REC | PDS Limits |
|----------|------------|---------|------------|----------|------------|
| Lead | 57.5 | 50 | 5.771 | 103 | 75-125 |
| Vanadium | 95.1 | 50 | 38.24 | 114 | 75-125 |

| Analyte | DLT Result | DLTRef Val | %D | %D Limit |
|-----------|------------|------------|-------|----------|
| Antimony | ND<2.5 | ND | - | - |
| Arsenic | ND<2.5 | 2.674 | - | - |
| Barium | 175 | 174.0 | 0.575 | 20 |
| Beryllium | ND<2.5 | ND | - | - |
| Cadmium | ND<1.2 | ND | - | - |
| Chromium | 63.2 | 60.03 | 5.28 | 20 |
| Cobalt | 10.3 | 9.559 | 7.75 | - |

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QA/QC Officer



Quality Control Report

Client: ERAS Environmental, Inc. **WorkOrder:** 1608F84
Date Prepared: 8/31/16 **BatchID:** 126006
Date Analyzed: 9/1/16 **Extraction Method:** SW3050B
Instrument: ICP-MS3 **Analytical Method:** SW6020
Matrix: Soil **Unit:** mg/Kg
Project: 14-002-03 **Sample ID:** MB/LCS-126006
1608F84-002AMS/MSD
1608F84-002APDS

QC Summary Report for Metals

| Analyte | DLT Result | DLTRef Val | %D | %D Limit |
|------------|---------------|---------------|------|-------------|
| Copper | 18.0 | 16.79 | 7.21 | 20 |
| Lead | 5.90 | 5.771 | 2.24 | - |
| Mercury | ND<0.25 | 0.08570 | - | - |
| Molybdenum | ND<2.5 | ND | - | - |
| Nickel | 65.0 | 63.47 | 2.41 | 20 |
| Selenium | ND<2.5 | ND | - | - |
| Silver | ND<2.5 | ND | - | - |
| Thallium | ND<2.5 | ND | - | - |
| Vanadium | 39.6 | 38.24 | 3.56 | 20 |
| Zinc | 38.6 | 31.00 | 24.5 | - |

%D Control Limit applied to analytes with concentrations greater than 25 times the reporting limits.

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 QA/QC Officer



Quality Control Report

Client: ERAS Environmental, Inc. **WorkOrder:** 1608F84
Date Prepared: 8/31/16 **BatchID:** 126008
Date Analyzed: 9/1/16 **Extraction Method:** SW3550B/3630C
Instrument: GC6B **Analytical Method:** SW8015B
Matrix: Soil **Unit:** mg/Kg
Project: 14-002-03 **Sample ID:** MB/LCS-126008
1608F84-009AMS/MSD

QC Report for SW8015B w/ Silica Gel Clean-Up

| Analyte | MB Result | LCS Result | MDL | RL | SPK Val | MB SS %REC | LCS %REC | LCS Limits |
|-------------------------|-----------|------------|------|-----|---------|------------|----------|------------|
| TPH-Diesel (C10-C23) | ND | 42.2 | 0.74 | 1.0 | 40 | - | 106 | 70-130 |
| TPH-Motor Oil (C18-C36) | ND | - | 2.1 | 5.0 | - | - | - | - |

Surrogate Recovery

| | | | | | | | | |
|----|------|------|--|--|----|----|----|--------|
| C9 | 21.6 | 21.7 | | | 25 | 86 | 87 | 62-139 |
|----|------|------|--|--|----|----|----|--------|

| Analyte | MS Result | MSD Result | SPK Val | SPKRef Val | MS %REC | MSD %REC | MS/MSD Limits | RPD | RPD Limit |
|----------------------|-----------|------------|---------|------------|---------|----------|---------------|-----|-----------|
| TPH-Diesel (C10-C23) | NR | NR | | 4.3 | NR | NR | - | NR | |

Surrogate Recovery

| | | | | | | | | | |
|----|----|----|--|--|----|----|---|----|--|
| C9 | NR | NR | | | NR | NR | - | NR | |
|----|----|----|--|--|----|----|---|----|--|



Quality Control Report

| | | | |
|-----------------------|--------------------------|---------------------------|-------------------------------------|
| Client: | ERAS Environmental, Inc. | WorkOrder: | 1608F84 |
| Date Prepared: | 8/31/16 | BatchID: | 125991 |
| Date Analyzed: | 8/31/16 - 9/1/16 | Extraction Method: | SW5030B |
| Instrument: | GC19 | Analytical Method: | SW8021B/8015Bm |
| Matrix: | Soil | Unit: | mg/Kg |
| Project: | 14-002-03 | Sample ID: | MB/LCS-125991 1608F61-001AMS/MSD |

QC Summary Report for SW8021B/8015Bm

| Analyte | MB Result | LCS Result | MDL | RL | SPK Val | MB SS %REC | LCS %REC | LCS Limits |
|--------------|-----------|------------|--------|--------|---------|------------|----------|------------|
| TPH(btex) | ND | 0.604 | 0.40 | 0.40 | 0.60 | - | 101 | 70-130 |
| MTBE | 0.00375,J | 0.0908 | 0.0023 | 0.050 | 0.10 | - | 91 | 70-130 |
| Benzene | ND | 0.104 | 0.0010 | 0.0050 | 0.10 | - | 104 | 70-130 |
| Toluene | ND | 0.106 | 0.0012 | 0.0050 | 0.10 | - | 106 | 70-130 |
| Ethylbenzene | ND | 0.108 | 0.0020 | 0.0050 | 0.10 | - | 108 | 70-130 |
| Xylenes | ND | 0.325 | 0.0025 | 0.015 | 0.30 | - | 108 | 70-130 |

Surrogate Recovery

| | | | | | | |
|-----------------|-------|-------|------|-----|-----|--------|
| 2-Fluorotoluene | 0.106 | 0.106 | 0.10 | 106 | 106 | 70-130 |
|-----------------|-------|-------|------|-----|-----|--------|

| Analyte | MS Result | MSD Result | SPK Val | SPKRef Val | MS %REC | MSD %REC | MS/MSD Limits | RPD | RPD Limit |
|--------------|-----------|------------|---------|------------|---------|----------|---------------|-------|-----------|
| TPH(btex) | 0.600 | 0.613 | 0.60 | ND | 100 | 102 | 70-130 | 2.12 | 20 |
| MTBE | 0.0975 | 0.0968 | 0.10 | ND | 97 | 97 | 70-130 | 0 | 20 |
| Benzene | 0.0996 | 0.100 | 0.10 | ND | 100 | 101 | 70-130 | 0.907 | 20 |
| Toluene | 0.102 | 0.103 | 0.10 | ND | 99 | 101 | 70-130 | 1.78 | 20 |
| Ethylbenzene | 0.102 | 0.106 | 0.10 | ND | 102 | 106 | 70-130 | 3.25 | 20 |
| Xylenes | 0.310 | 0.319 | 0.30 | ND | 103 | 106 | 70-130 | 3.03 | 20 |

Surrogate Recovery

| | | | | | | | | |
|-----------------|-------|-------|------|-----|-----|--------|------|----|
| 2-Fluorotoluene | 0.101 | 0.102 | 0.10 | 101 | 102 | 70-130 | 1.27 | 20 |
|-----------------|-------|-------|------|-----|-----|--------|------|----|

(Cont.)

NELAP 4033ORELAP



QA/QC Officer



Quality Control Report

| | | | |
|-----------------------|--------------------------|---------------------------|-------------------------------------|
| Client: | ERAS Environmental, Inc. | WorkOrder: | 1608F84 |
| Date Prepared: | 8/31/16 | BatchID: | 126009 |
| Date Analyzed: | 9/1/16 | Extraction Method: | SW5030B |
| Instrument: | GC19 | Analytical Method: | SW8021B/8015Bm |
| Matrix: | Soil | Unit: | mg/Kg |
| Project: | 14-002-03 | Sample ID: | MB/LCS-126009 1608F84-009AMS/MSD |

QC Summary Report for SW8021B/8015Bm

| Analyte | MB Result | LCS Result | MDL | RL | SPK Val | MB SS %REC | LCS %REC | LCS Limits |
|--------------|-----------|------------|--------|--------|---------|------------|----------|------------|
| TPH(btex) | ND | 0.604 | 0.40 | 0.40 | 0.60 | - | 101 | 70-130 |
| MTBE | ND | 0.102 | 0.0023 | 0.050 | 0.10 | - | 102 | 70-130 |
| Benzene | ND | 0.101 | 0.0010 | 0.0050 | 0.10 | - | 101 | 70-130 |
| Toluene | ND | 0.103 | 0.0012 | 0.0050 | 0.10 | - | 103 | 70-130 |
| Ethylbenzene | ND | 0.104 | 0.0020 | 0.0050 | 0.10 | - | 104 | 70-130 |
| Xylenes | ND | 0.316 | 0.0025 | 0.015 | 0.30 | - | 105 | 70-130 |

Surrogate Recovery

| | | | | | | |
|-----------------|-------|-------|------|-----|-----|--------|
| 2-Fluorotoluene | 0.103 | 0.104 | 0.10 | 103 | 104 | 70-130 |
|-----------------|-------|-------|------|-----|-----|--------|

| Analyte | MS Result | MSD Result | SPK Val | SPKRef Val | MS %REC | MSD %REC | MS/MSD Limits | RPD | RPD Limit |
|--------------|-----------|------------|---------|------------|---------|----------|---------------|-----|-----------|
| TPH(btex) | NR | NR | | 27 | NR | NR | - | NR | |
| MTBE | NR | NR | | ND<1 | NR | NR | - | NR | |
| Benzene | NR | NR | | ND<0.1 | NR | NR | - | NR | |
| Toluene | NR | NR | | ND<0.1 | NR | NR | - | NR | |
| Ethylbenzene | NR | NR | | 7 | NR | NR | - | NR | |
| Xylenes | NR | NR | | 17 | NR | NR | - | NR | |

Surrogate Recovery

| | | | | | | |
|-----------------|----|----|----|----|---|----|
| 2-Fluorotoluene | NR | NR | NR | NR | - | NR |
|-----------------|----|----|----|----|---|----|



Quality Control Report

| | | | |
|-----------------------|--------------------------|---------------------------|-------------------------------------|
| Client: | ERAS Environmental, Inc. | WorkOrder: | 1608F84 |
| Date Prepared: | 9/4/16 | BatchID: | 126154 |
| Date Analyzed: | 9/4/16 | Extraction Method: | SW5030B |
| Instrument: | GC3 | Analytical Method: | SW8021B/8015Bm |
| Matrix: | Water | Unit: | µg/L |
| Project: | 14-002-03 | Sample ID: | MB/LCS-126154 1609133-006AMS/MSD |

QC Summary Report for SW8021B/8015Bm

| Analyte | MB Result | LCS Result | MDL | RL | SPK Val | MB SS %REC | LCS %REC | LCS Limits |
|--------------|-----------|------------|-------|------|---------|------------|----------|------------|
| TPH(btex) | ND | 62.1 | 40 | 40 | 60 | - | 104 | 70-130 |
| MTBE | ND | 9.56 | 0.36 | 5.0 | 10 | - | 96 | 70-130 |
| Benzene | ND | 10.0 | 0.070 | 0.50 | 10 | - | 100 | 70-130 |
| Toluene | ND | 10.5 | 0.14 | 0.50 | 10 | - | 105 | 70-130 |
| Ethylbenzene | ND | 11.0 | 0.070 | 0.50 | 10 | - | 110 | 70-130 |
| Xylenes | ND | 34.4 | 0.14 | 1.5 | 30 | - | 115 | 70-130 |

Surrogate Recovery

| | | | | | | |
|---------|------|------|----|----|----|--------|
| aaa-TFT | 9.92 | 9.92 | 10 | 99 | 99 | 70-130 |
|---------|------|------|----|----|----|--------|

| Analyte | MS Result | MSD Result | SPK Val | SPKRef Val | MS %REC | MSD %REC | MS/MSD Limits | RPD | RPD Limit |
|--------------|-----------|------------|---------|------------|---------|----------|---------------|-------|-----------|
| TPH(btex) | 76.6 | 63.3 | 60 | ND | 128 | 105 | 70-130 | 19.0 | 20 |
| MTBE | 11.5 | 9.81 | 10 | ND | 115 | 98 | 70-130 | 15.8 | 20 |
| Benzene | 11.0 | 10.0 | 10 | ND | 109 | 99 | 70-130 | 9.32 | 20 |
| Toluene | 11.0 | 10.5 | 10 | ND | 110 | 105 | 70-130 | 4.57 | 20 |
| Ethylbenzene | 10.8 | 10.7 | 10 | ND | 105 | 105 | 70-130 | 0 | 20 |
| Xylenes | 33.5 | 33.4 | 30 | ND | 112 | 111 | 70-130 | 0.135 | 20 |

Surrogate Recovery

| | | | | | | | | |
|---------|------|------|----|----|-----|--------|------|----|
| aaa-TFT | 9.69 | 10.0 | 10 | 97 | 100 | 70-130 | 3.59 | 20 |
|---------|------|------|----|----|-----|--------|------|----|



Quality Control Report

Client: ERAS Environmental, Inc.
Date Prepared: 8/30/16
Date Analyzed: 8/30/16
Instrument: ICP-MS2
Matrix: Water
Project: 14-002-03

WorkOrder: 1608F84
BatchID: 125951
Extraction Method: E200.8
Analytical Method: E200.8
Unit: µg/L
Sample ID: MB/LCS-125951
1608E59-001AMS/MSD

QC Summary Report for Dissolved Metals

| Analyte | MB Result | LCS Result | MDL | RL | SPK Val | MB SS %REC | LCS %REC | LCS Limits |
|---------|-----------|------------|-------|------|---------|------------|----------|------------|
| Lead | ND | 44.5 | 0.078 | 0.50 | 50 | - | 89 | 85-115 |

| Analyte | MS Result | MSD Result | SPK Val | SPKRef Val | MS %REC | MSD %REC | MS/MSD Limits | RPD | RPD Limit |
|---------|-----------|------------|---------|------------|---------|----------|---------------|-------|-----------|
| Lead | 50.2 | 49.7 | 50 | ND | 97 | 96 | 70-130 | 0.941 | 20 |



Quality Control Report

| | | | |
|-----------------------|--------------------------|---------------------------|--|
| Client: | ERAS Environmental, Inc. | WorkOrder: | 1608F84 |
| Date Prepared: | 8/31/16 | BatchID: | 126006 |
| Date Analyzed: | 9/1/16 | Extraction Method: | SW3050B |
| Instrument: | ICP-MS3 | Analytical Method: | SW6020 |
| Matrix: | Soil | Unit: | mg/Kg |
| Project: | 14-002-03 | Sample ID: | MB/LCS-126006 1608F84-002AMS/MSD 1608F84-002APDS |

QC Summary Report for Metals

| Analyte | MB Result | LCS Result | MDL | RL | SPK Val | MB SS %REC | LCS %REC | LCS Limits | |
|---------------------------|------------|------------|------------|------------|------------|------------|---------------|------------|-----------|
| Lead | ND | 50.3 | 0.094 | 0.50 | 50 | - | 101 | 75-125 | |
| Surrogate Recovery | | | | | | | | | |
| Terbium | 497 | 530 | | | 500 | 99 | 106 | 70-130 | |
| <hr/> | | | | | | | | | |
| Analyte | MS Result | MSD Result | SPK Val | SPKRef Val | MS %REC | MSD %REC | MS/MSD Limits | RPD | RPD Limit |
| Lead | 69.5 | 98.5 | 50 | 5.771 | 127,F10 | 185,F10 | 75-125 | 34.5,F10 | 20 |
| Surrogate Recovery | | | | | | | | | |
| Terbium | 521 | 571 | 500 | | 104 | 114 | 70-130 | 9.22 | 20 |
| <hr/> | | | | | | | | | |
| Analyte | PDS Result | SPK Val | SPKRef Val | PDS %REC | PDS Limits | | | | |
| Lead | 57.5 | 50 | 5.771 | 103 | 75-125 | | | | |
| <hr/> | | | | | | | | | |
| Analyte | DLT Result | DLTRef Val | | | %D | %D Limit | | | |
| Lead | 5.90 | 5.771 | | | 2.24 | - | | | |

%D Control Limit applied to analytes with concentrations greater than 25 times the reporting limits.



Quality Control Report

Client: ERAS Environmental, Inc. **WorkOrder:** 1608F84
Date Prepared: 8/31/16 **BatchID:** 125973
Date Analyzed: 8/31/16 **Extraction Method:** SW3510C/3630C
Instrument: GC39B **Analytical Method:** SW8015B
Matrix: Water **Unit:** µg/L
Project: 14-002-03 **Sample ID:** MB/LCS/LCSD-125973

QC Report for SW8015B w/ Silica Gel Clean-Up

| Analyte | MB Result | MDL | RL | SPK Val | MB SS %REC | MB SS Limits |
|---------------------------|------------|-------------|---------|----------|------------|-----------------|
| TPH-Diesel (C10-C23) | ND | 24 | 50 | - | - | - |
| TPH-Motor Oil (C18-C36) | ND | 65 | 250 | - | - | - |
| Surrogate Recovery | | | | | | |
| C9 | 627 | | | 625 | 100 | 65-122 |
| Analyte | LCS Result | LCSD Result | SPK Val | LCS %REC | LCSD %REC | LCS/LCSD Limits |
| TPH-Diesel (C10-C23) | 1160 | 1140 | 1000 | 116 | 114 | 61-157 |
| Surrogate Recovery | | | | | | |
| C9 | 627 | 622 | 625 | 100 | 100 | 65-122 |
| | | | | | | 0 |
| | | | | | | 30 |



CHAIN-OF-CUSTODY RECORD

Page 1 of 1

WorkOrder: 1608F84

ClientCode: ERAS

WaterTrax WriteOn EDF Excel EQuIS Email HardCopy ThirdParty J-flag

Report to:

Andrew Savage
ERAS Environmental, Inc.
1533 B Street
Hayward, CA 94541
(510) 247-9885 FAX: (510) 886-5399

Email: info@eras.biz; andrew@eras.biz
cc/3rd Party:
PO:
ProjectNo: 14-002-03

Bill to:

Kasey Cordoza
ERAS Environmental, Inc.
1533 B Street
Hayward, CA 94541

Requested TAT: 5 days;

Date Received: 08/31/2016
Date Logged: 08/31/2016

| Lab ID | Client ID | Matrix | Collection Date | Hold | Requested Tests (See legend below) | | | | | | | | | | | |
|-------------|--------------|--------|-----------------|--------------------------|------------------------------------|---|---|---|---|---|---|---|---|----|----|----|
| | | | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 1608F84-001 | B-5 | Water | 8/30/2016 13:05 | <input type="checkbox"/> | | D | | A | | B | E | | | | | |
| 1608F84-002 | B-5, 3.5-4' | Soil | 8/30/2016 11:53 | <input type="checkbox"/> | A | | | | A | | | A | | | | |
| 1608F84-002 | B-5,4' | Soil | 8/30/2016 11:53 | <input type="checkbox"/> | | | B | | | | | | | | | |
| 1608F84-003 | B-5, 10' | Soil | 8/30/2016 12:08 | <input type="checkbox"/> | | B | | | | | | | | | | |
| 1608F84-003 | B-5, 9.5-10' | Soil | 8/30/2016 12:08 | <input type="checkbox"/> | A | | | | A | | | A | | | | |
| 1608F84-004 | B-6, 4.5-5' | Soil | 8/30/2016 14:00 | <input type="checkbox"/> | A | | | | A | | | A | | | | |
| 1608F84-004 | B-6, 5' | Soil | 8/30/2016 14:00 | <input type="checkbox"/> | | B | | | | | | | | | | |
| 1608F84-005 | B-6, 7.5-8' | Soil | 8/30/2016 14:06 | <input type="checkbox"/> | A | | | | A | | | A | | | | |
| 1608F84-005 | B-6, 8' | Soil | 8/30/2016 14:06 | <input type="checkbox"/> | | B | | | | | | | | | | |
| 1608F84-006 | B-1 | Water | 8/30/2016 10:19 | <input type="checkbox"/> | | | B | | C | | | | A | D | | |
| 1608F84-007 | B-1, 3.5-4' | Soil | 8/30/2016 9:16 | <input type="checkbox"/> | | | | A | | | | A | | | | A |
| 1608F84-007 | B-1, 4' | Soil | 8/30/2016 9:16 | <input type="checkbox"/> | | B | | | | | | | | | | |
| 1608F84-008 | B-2 | Water | 8/30/2016 9:10 | <input type="checkbox"/> | | | B | | C | | | | A | D | | |
| 1608F84-009 | B-2, 3.5-4' | Soil | 8/30/2016 8:29 | <input type="checkbox"/> | | | | A | | | | A | | | | A |
| 1608F84-009 | B-2, 4' | Soil | 8/30/2016 8:29 | <input type="checkbox"/> | | B | | | | | | | | | | |

Test Legend:

| | | | | | | | |
|---|------------|----|------------|----|-----------------|----|----------------|
| 1 | 8082_PCB_S | 2 | 8082_PCB_W | 3 | 8260B_E | 4 | 8260B_W |
| 5 | 8270_S | 6 | 8270_W | 7 | CAM17MS_FF_DISS | 8 | CAM17MS_TTLC_S |
| 9 | G-MBTEX_S | 10 | G-MBTEX_W | 11 | PBMS_FF_DISS | 12 | PBMS_TTLC_S |

Prepared by: Briana Cutino

The following SamplIDs: 007A, 009A contain testgroup Multi RangeWSG_S.; The following SamplIDs: 006A, 008A contain testgroup Multi RangeWSG_W.

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days). Hazardous samples will be returned to client or disposed of at client expense.



CHAIN-OF-CUSTODY RECORD

Page 1 of 1

WorkOrder: 1608F84

ClientCode: ERAS

WaterTrax WriteOn EDF Excel EQuIS Email HardCopy ThirdParty J-flag

Report to:

Andrew Savage
ERAS Environmental, Inc.
1533 B Street
Hayward, CA 94541
(510) 247-9885 FAX: (510) 886-5399

Email: info@eras.biz; andrew@eras.biz
cc/3rd Party:
PO:
ProjectNo: 14-002-03

Bill to:

Kasey Cordoza
ERAS Environmental, Inc.
1533 B Street
Hayward, CA 94541

Requested TAT: 5 days;

Date Received: 08/31/2016
Date Logged: 08/31/2016

| Lab ID | Client ID | Matrix | Collection Date | Hold | Requested Tests (See legend below) | | | | | | | | | | | |
|-------------|--------------|--------|-----------------|--------------------------|------------------------------------|----|----|----|----|----|----|----|----|----|----|----|
| | | | | | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| 1608F84-001 | B-5 | Water | 8/30/2016 13:05 | <input type="checkbox"/> | A | | C | | | | | | | | | |
| 1608F84-002 | B-5, 3.5-4' | Soil | 8/30/2016 11:53 | <input type="checkbox"/> | | A | | | | | | | | | | |
| 1608F84-002 | B-5,4' | Soil | 8/30/2016 11:53 | <input type="checkbox"/> | | | | | | | | | | | | |
| 1608F84-003 | B-5, 10' | Soil | 8/30/2016 12:08 | <input type="checkbox"/> | | | | | | | | | | | | |
| 1608F84-003 | B-5, 9.5-10' | Soil | 8/30/2016 12:08 | <input type="checkbox"/> | | A | | | | | | | | | | |
| 1608F84-004 | B-6, 4.5-5' | Soil | 8/30/2016 14:00 | <input type="checkbox"/> | | A | | | | | | | | | | |
| 1608F84-004 | B-6, 5' | Soil | 8/30/2016 14:00 | <input type="checkbox"/> | | | | | | | | | | | | |
| 1608F84-005 | B-6, 7.5-8' | Soil | 8/30/2016 14:06 | <input type="checkbox"/> | | A | | | | | | | | | | |
| 1608F84-005 | B-6, 8' | Soil | 8/30/2016 14:06 | <input type="checkbox"/> | | | | | | | | | | | | |
| 1608F84-006 | B-1 | Water | 8/30/2016 10:19 | <input type="checkbox"/> | | A | | | | | | | | | | |
| 1608F84-007 | B-1, 3.5-4' | Soil | 8/30/2016 9:16 | <input type="checkbox"/> | | A | | | | | | | | | | |
| 1608F84-007 | B-1, 4' | Soil | 8/30/2016 9:16 | <input type="checkbox"/> | | | | | | | | | | | | |
| 1608F84-008 | B-2 | Water | 8/30/2016 9:10 | <input type="checkbox"/> | | A | | | | | | | | | | |
| 1608F84-009 | B-2, 3.5-4' | Soil | 8/30/2016 8:29 | <input type="checkbox"/> | | A | | | | | | | | | | |
| 1608F84-009 | B-2, 4' | Soil | 8/30/2016 8:29 | <input type="checkbox"/> | | | | | | | | | | | | |

Test Legend:

| | |
|----|--------------|
| 13 | PREDF REPORT |
| 17 | |
| 21 | |

| | |
|----|---------------|
| 14 | TPH(DMO)WSG_S |
| 18 | |
| 22 | |

| | |
|----|---------------|
| 15 | TPH(DMO)WSG_W |
| 19 | |
| 23 | |

| | |
|----|--|
| 16 | |
| 20 | |
| 24 | |

Prepared by: Briana Cutino

The following SamIDs: 007A, 009A contain testgroup Multi RangeWSG_S.; The following SamIDs: 006A, 008A contain testgroup Multi RangeWSG_W.

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days). Hazardous samples will be returned to client or disposed of at client expense.



WORK ORDER SUMMARY

Client Name: ERAS ENVIRONMENTAL, INC.

QC Level: LEVEL 2

Work Order: 1608F84

Project: 14-002-03

Client Contact: Andrew Savage

Date Logged: 8/31/2016

Comments:

Contact's Email: info@eras.biz; andrew@eras.biz

WaterTrax WriteOn EDF Excel Fax Email HardCopy ThirdParty J-flag

| Lab ID | Client ID | Matrix | Test Name | Containers /Composites | Bottle & Preservative | De-chlorinated | Collection Date & Time | TAT | Sediment Content | Hold | SubOut |
|--------------|--------------|--------|--|------------------------|-----------------------|--------------------------|------------------------|--------|--------------------------|--------------------------|--------|
| 1608F84-001A | B-5 | Water | SW8260B (VOCs) | 2 | VOA w/ HCl | <input type="checkbox"/> | 8/30/2016 13:05 | 5 days | Present | <input type="checkbox"/> | |
| 1608F84-001B | B-5 | Water | SW8270C (SVOCs) | 1 | 1LA | <input type="checkbox"/> | 8/30/2016 13:05 | 5 days | Present | <input type="checkbox"/> | |
| 1608F84-001C | B-5 | Water | SW8015B (TPH-d,mo w/ S.G. Clean-Up) | 2 | VOA | <input type="checkbox"/> | 8/30/2016 13:05 | 5 days | Present | <input type="checkbox"/> | |
| 1608F84-001D | B-5 | Water | SW8082 (PCBs Only) | 2 | VOA | <input type="checkbox"/> | 8/30/2016 13:05 | 5 days | Present | <input type="checkbox"/> | |
| 1608F84-001E | B-5 | Water | E200.8 (CAM 17) (Dissolved-Field Filtered) | 1 | 250mL HDPE w/ HNO3 | <input type="checkbox"/> | 8/30/2016 13:05 | 5 days | Present | <input type="checkbox"/> | |
| 1608F84-002A | B-5, 3.5-4' | Soil | SW8015B (TPH-d,mo w/ S.G. Clean-Up) | 1 | Acetate Liner | <input type="checkbox"/> | 8/30/2016 11:53 | 5 days | <input type="checkbox"/> | | |
| | | | SW6020 (CAM 17) | | | <input type="checkbox"/> | | 5 days | <input type="checkbox"/> | | |
| | | | SW8270C (SVOCs) | | | <input type="checkbox"/> | | 5 days | <input type="checkbox"/> | | |
| | | | SW8082 (PCBs Only) | | | <input type="checkbox"/> | | 5 days | <input type="checkbox"/> | | |
| 1608F84-002B | B-5,4' | Soil | SW8260B (VOCs) (Encore) | 1 | Encore | <input type="checkbox"/> | 8/30/2016 11:53 | 5 days | <input type="checkbox"/> | | |
| 1608F84-003A | B-5, 9.5-10' | Soil | SW8015B (TPH-d,mo w/ S.G. Clean-Up) | 1 | Acetate Liner | <input type="checkbox"/> | 8/30/2016 12:08 | 5 days | <input type="checkbox"/> | | |
| | | | SW6020 (CAM 17) | | | <input type="checkbox"/> | | 5 days | <input type="checkbox"/> | | |
| | | | SW8270C (SVOCs) | | | <input type="checkbox"/> | | 5 days | <input type="checkbox"/> | | |
| | | | SW8082 (PCBs Only) | | | <input type="checkbox"/> | | 5 days | <input type="checkbox"/> | | |
| 1608F84-003B | B-5, 10' | Soil | SW8260B (VOCs) (Encore) | 1 | Encore | <input type="checkbox"/> | 8/30/2016 12:08 | 5 days | <input type="checkbox"/> | | |
| 1608F84-004A | B-6, 4.5-5' | Soil | SW8015B (TPH-d,mo w/ S.G. Clean-Up) | 1 | Acetate Liner | <input type="checkbox"/> | 8/30/2016 14:00 | 5 days | <input type="checkbox"/> | | |

NOTES: - STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.



WORK ORDER SUMMARY

Client Name: ERAS ENVIRONMENTAL, INC.

QC Level: LEVEL 2

Work Order: 1608F84

Project: 14-002-03

Client Contact: Andrew Savage

Date Logged: 8/31/2016

Comments:

Contact's Email: info@eras.biz; andrew@eras.biz

| | | | | | | | | |
|------------------------------------|----------------------------------|---|--------------------------------|------------------------------|---|-----------------------------------|-------------------------------------|--|
| <input type="checkbox"/> WaterTrax | <input type="checkbox"/> WriteOn | <input checked="" type="checkbox"/> EDF | <input type="checkbox"/> Excel | <input type="checkbox"/> Fax | <input checked="" type="checkbox"/> Email | <input type="checkbox"/> HardCopy | <input type="checkbox"/> ThirdParty | <input checked="" type="checkbox"/> J-flag |
|------------------------------------|----------------------------------|---|--------------------------------|------------------------------|---|-----------------------------------|-------------------------------------|--|

| Lab ID | Client ID | Matrix | Test Name | Containers /Composites | Bottle & Preservative | De-chlorinated | Collection Date & Time | TAT | Sediment Content | Hold | SubOut |
|--------------|-------------|--------|--|------------------------|--------------------------------------|--------------------------|------------------------|--------|------------------|--------------------------|--------|
| 1608F84-004A | B-6, 4.5-5' | Soil | SW6020 (CAM 17) | 1 | Acetate Liner | <input type="checkbox"/> | 8/30/2016 14:00 | 5 days | | <input type="checkbox"/> | |
| | | | SW8270C (SVOCs) | | | <input type="checkbox"/> | | 5 days | | <input type="checkbox"/> | |
| | | | SW8082 (PCBs Only) | | | <input type="checkbox"/> | | 5 days | | <input type="checkbox"/> | |
| 1608F84-004B | B-6, 5' | Soil | SW8260B (VOCs) (Encore) | 1 | Encore | <input type="checkbox"/> | 8/30/2016 14:00 | 5 days | | <input type="checkbox"/> | |
| 1608F84-005A | B-6, 7.5-8' | Soil | SW8015B (TPH-d,mo w/ S.G. Clean-Up) | 1 | Acetate Liner | <input type="checkbox"/> | 8/30/2016 14:06 | 5 days | | <input type="checkbox"/> | |
| | | | SW6020 (CAM 17) | | | <input type="checkbox"/> | | 5 days | | <input type="checkbox"/> | |
| | | | SW8270C (SVOCs) | | | <input type="checkbox"/> | | 5 days | | <input type="checkbox"/> | |
| | | | SW8082 (PCBs Only) | | | <input type="checkbox"/> | | 5 days | | <input type="checkbox"/> | |
| 1608F84-005B | B-6, 8' | Soil | SW8260B (VOCs) (Encore) | 1 | Encore | <input type="checkbox"/> | 8/30/2016 14:06 | 5 days | | <input type="checkbox"/> | |
| 1608F84-006A | B-1 | Water | Multi-Range TPH(g,d,mo) w/ S.G. Clean-Up | 4 | 2 VOAs w/HCL + 2-aVOAs (multi-range) | <input type="checkbox"/> | 8/30/2016 10:19 | 5 days | Present | <input type="checkbox"/> | |
| 1608F84-006B | B-1 | Water | SW8260B (VOCs) | 2 | VOA w/ HCl | <input type="checkbox"/> | 8/30/2016 10:19 | 5 days | Present | <input type="checkbox"/> | |
| 1608F84-006C | B-1 | Water | SW8270C (SVOCs) | 1 | ILA | <input type="checkbox"/> | 8/30/2016 10:19 | 5 days | Present | <input type="checkbox"/> | |
| 1608F84-006D | B-1 | Water | SW6020 (Lead) (Dissolved-Field Filtered) | 1 | 250mL HDPE w/ HNO3 | <input type="checkbox"/> | 8/30/2016 10:19 | 5 days | Present | <input type="checkbox"/> | |
| 1608F84-007A | B-1, 3.5-4' | Soil | SW6020 (Lead) | 1 | Acetate Liner | <input type="checkbox"/> | 8/30/2016 9:16 | 5 days | | <input type="checkbox"/> | |
| | | | Multi-Range TPH(g,d,mo) w/ S.G. Clean-Up | | | <input type="checkbox"/> | | 5 days | | <input type="checkbox"/> | |

NOTES: - STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.



WORK ORDER SUMMARY

Client Name: ERAS ENVIRONMENTAL, INC.

QC Level: LEVEL 2

Work Order: 1608F84

Project: 14-002-03

Client Contact: Andrew Savage

Date Logged: 8/31/2016

Comments:

Contact's Email: info@eras.biz; andrew@eras.biz

WaterTrax WriteOn EDF Excel Fax Email HardCopy ThirdParty J-flag

| Lab ID | Client ID | Matrix | Test Name | Containers /Composites | Bottle & Preservative | De-chlorinated | Collection Date & Time | TAT | Sediment Content | Hold | SubOut |
|--------------|-------------|--------|--|------------------------|--------------------------------------|--------------------------|------------------------|--------|------------------|--------------------------|--------|
| 1608F84-007A | B-1, 3.5-4' | Soil | SW8270C (SVOCs) | 1 | Acetate Liner | <input type="checkbox"/> | 8/30/2016 9:16 | 5 days | | <input type="checkbox"/> | |
| 1608F84-007B | B-1, 4' | Soil | SW8260B (VOCs) (Encore) | 1 | Encore | <input type="checkbox"/> | 8/30/2016 9:16 | 5 days | | <input type="checkbox"/> | |
| 1608F84-008A | B-2 | Water | Multi-Range TPH(g,d,mo) w/ S.G. Clean-Up | 4 | 2 VOAs w/HCL + 2-aVOAs (multi-range) | <input type="checkbox"/> | 8/30/2016 9:10 | 5 days | Present | <input type="checkbox"/> | |
| 1608F84-008B | B-2 | Water | SW8260B (VOCs) | 2 | VOA w/ HCl | <input type="checkbox"/> | 8/30/2016 9:10 | 5 days | Present | <input type="checkbox"/> | |
| 1608F84-008C | B-2 | Water | SW8270C (SVOCs) | 1 | ILA | <input type="checkbox"/> | 8/30/2016 9:10 | 5 days | Present | <input type="checkbox"/> | |
| 1608F84-008D | B-2 | Water | SW6020 (Lead) (Dissolved-Field Filtered) | 1 | 250mL HDPE w/ HNO3 | <input type="checkbox"/> | 8/30/2016 9:10 | 5 days | Present | <input type="checkbox"/> | |
| 1608F84-009A | B-2, 3.5-4' | Soil | SW6020 (Lead) | 1 | Acetate Liner | <input type="checkbox"/> | 8/30/2016 8:29 | 5 days | | <input type="checkbox"/> | |
| | | | Multi-Range TPH(g,d,mo) w/ S.G. Clean-Up | | | <input type="checkbox"/> | | 5 days | | <input type="checkbox"/> | |
| | | | SW8270C (SVOCs) | | | <input type="checkbox"/> | | 5 days | | <input type="checkbox"/> | |
| 1608F84-009B | B-2, 4' | Soil | SW8260B (VOCs) (Encore) | 1 | Encore | <input type="checkbox"/> | 8/30/2016 8:29 | 5 days | | <input type="checkbox"/> | |

NOTES: - STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

CHAIN OF CUSTODY FORM

| | |
|--|--|
| McCampbell Analytical, Inc 1534 Willow Pass Rd. Pittsburg, CA 94565 877.252.9262 925.252.9269 - fax | |
|--|--|

Report To: ERAS Bill To: ERAS
 Company: ERAS Environmental, Inc.

Email: info@eras.biz
 Telephone: 510-247-9885 Fax: 510-886-5399

Project # 14-002-03
 Project location 729 45th Avenue
 Sampler: Andrew Savage

| Sample ID | Location/Field Point Name | Sampling | | # of Containers | Container Type | Matrix | Preservative | | | | |
|---------------------|---------------------------|-----------|-------|-----------------|----------------|--------|--------------|-------|-----|-------|------|
| | | Date | Time | | | Soil | Water | Waste | HCL | H2SO4 | HNO3 |
| B-5 | | 8/30/2016 | 13:05 | 6 | VOA | X | | | | | X |
| B-5 | | 8/30/2016 | 13:05 | 1 | 1-L | X | | | | | X |
| B-5 | | 8/30/2016 | 13:05 | 1 | 1-L | X | | | | | X |
| B-5 | | 8/30/2016 | 13:05 | 1 | 1-L | X | | | | | X |
| B-5 | | 8/30/2016 | 13:05 | 1 | Poly | X | | | | | |
| B-5, 3.5-4' | | 8/30/2016 | 11:53 | 1 | Tube | X | | | | | X |
| B-5, 4' | | 8/30/2016 | 11:53 | 1 | EC | X | | | | | X |
| B-5, 9.5-10' | | 8/30/2016 | 12:08 | 1 | Tube | X | | | | | X |
| B-5, 10' | | 8/30/2016 | 12:08 | 1 | EC | X | | | | | X |
| B-6, 4.5-5' | | 8/30/2016 | 14:00 | 1 | Tube | X | | | | | X |
| B-6, 5' | | 8/30/2016 | 14:00 | 1 | EC | X | | | | | X |
| B-6, 7.5-8' | | 8/30/2016 | 14:06 | 1 | Tube | X | | | | | X |
| B-6, 8' | | 8/30/2016 | 14:06 | 1 | EC | X | | | | | X |

| | | | | | | | |
|--|---|--------------------------------|--|--------------------------|--------------------------|-------------------------------------|--|
| Turnaround Time: | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| Geotracker: | <input checked="" type="checkbox"/> EDF | <input type="checkbox"/> Excel | <input type="checkbox"/> Write On (DW) | | | | |
| Analysis Requested | | | | | | | |
| | | | | | | | |
| Other <input type="checkbox"/> Comments <input type="checkbox"/> | | | | | | | |
| TPH-GRO by EPA Method 8015 TPH-DRO by EPA Method 8015 with silica gel cleanup VOC's, MTBE, and Oxygenates by EPA Method 8260 SVOC's by EPA Method 8270 Total Lead TPH-DRO and ORO by EPA Method 8015 with Silica Gel Cleanup PCB's By EPA Method 8082 CAM 17 Metals | | | | | | | |

| | | | |
|-------------------------|--------------------|----------------------|-------------------|
| RELINQUISHED BY: | | RECEIVED BY: | |
| Relinquished by: | <i>[Signature]</i> | Date: <i>8/31/14</i> | Time: <i>1031</i> |
| Relinquished by: | <i>[Signature]</i> | Date: <i>8/31</i> | Time: <i>1715</i> |
| Relinquished by: | <i>[Signature]</i> | Date: <i></i> | Time: <i></i> |

| | | | | |
|------------------------|------------------------------|-----|--------|------------|
| ICE/t° Condition | Comments: REPORT All J Flags | | | |
| Head space absent | | | | |
| Dechlorinated in lab | | | | |
| Appropriate containers | | | | |
| Preserved in Lab | | | | |
| Preservation | VOA's | O&G | Metals | Other pH<2 |

CHAIN OF CUSTODY FORM

McCampbell Analytical, Inc
1534 Willow Pass Rd.
Pittsburg, CA 94565
877.252.9262
925.252.9269 - fax

Report To: ERAS **Bill To:** ERAS
Company: ERAS Environmental, Inc.

Email: info@eras.biz

Telephone: 510-247-9885 **Fax:** 510-886-5399

Project # 14-002-03

Project location 729 45th Avenue

Sampler: Andrew Savage

| Sample ID | Location/Field Point Name | Sampling | | # of Contain | Matrix | | | Preservative | | |
|-------------|---------------------------|-----------|-------|--------------|--------|-------|-------|--------------|-------|------|
| | | Date | Time | | Soil | Water | Waste | HCL | H2SO4 | HNO3 |
| B-1 | | 8/30/2016 | 10:19 | 6 | VOA | X | | | | X |
| B-1 | | 8/30/2016 | 10:19 | 1 | 1-L | X | | | | X |
| B-1 | | 8/30/2016 | 10:19 | 1 | 1-L | X | | | | X |
| B-1 | | 8/30/2016 | 10:19 | 1 | Poly | X | | | X | |
| B-1, 3.5-4' | | 8/30/2016 | 9:16 | 1 | Tube | X | | | | X |
| B-1, 4' | | 8/30/2016 | 9:16 | 1 | EC | X | | | | X |
| B-2 | | 8/30/2016 | 9:10 | 6 | VOA | X | | | | X |
| B-2 | | 8/30/2016 | 9:10 | 1 | 1-L | X | | | | X |
| B-2 | | 8/30/2016 | 9:10 | 1 | 1-L | X | | | | X |
| B-2 | | 8/30/2016 | 9:10 | 1 | Poly | X | | | X | |
| B-2, 3.5-4' | | 8/30/2016 | 8:29 | 1 | Tube | X | | | | X |
| B-2, 4' | | 8/30/2016 | 8:29 | 1 | EC | X | | | | X |

| RELINQUISHED BY: | | | RECEIVED BY: |
|-------------------------------------|----------------------|--------------------|---------------------------------|
| Relinquished by: <i>[Signature]</i> | Date: <i>8/31/16</i> | Time: <i>10:31</i> | Received by: <i>[Signature]</i> |
| Relinquished by: <i>[Signature]</i> | Date: <i>8/31</i> | Time: <i>17:15</i> | Received by: <i>[Signature]</i> |
| Relinquished by: | Date: | Time: | Received by: |

| | | | | | |
|---------------------------------|-------|-----|--------|-------|------------------------------|
| ICE/t ^o Condition | | | | | Comments: REPORT All J Flags |
| Head space absent | | | | | |
| Dechlorinated in lab | | | | | |
| Appropriate containers | | | | | |
| Preserved in Lab | | | | | |
| | VOA's | O&G | Metals | Other | |
| Preservation | pH<2 | | | | |



Sample Receipt Checklist

Client Name: **ERAS Environmental, Inc.**
Project Name: **14-002-03**
WorkOrder No: **1608F84** Matrix: Soil/Water
Carrier: Benjamin Yslas (MAI Courier)

Date and Time Received: **8/31/2016 17:15**
Date Logged: **8/31/2016**
Received by: **Briana Cutino**
Logged by: **Briana Cutino**

Chain of Custody (COC) Information

- Chain of custody present? Yes No
Chain of custody signed when relinquished and received? Yes No
Chain of custody agrees with sample labels? Yes No
Sample IDs noted by Client on COC? Yes No
Date and Time of collection noted by Client on COC? Yes No
Sampler's name noted on COC? Yes No

Sample Receipt Information

- Custody seals intact on shipping container/cooler? Yes No NA
Shipping container/cooler in good condition? Yes No
Samples in proper containers/bottles? Yes No
Sample containers intact? Yes No
Sufficient sample volume for indicated test? Yes No

Sample Preservation and Hold Time (HT) Information

- All samples received within holding time? Yes No
Sample/Temp Blank temperature Temp: 3°C NA
Water - VOA vials have zero headspace / no bubbles? Yes No NA
Sample labels checked for correct preservation? Yes No
pH acceptable upon receipt (Metal: <2; 522: <4; 218.7: >8)? Yes No NA
Samples Received on Ice? Yes No
(Ice Type: WET ICE)

UCMR3 Samples:

- Total Chlorine tested and acceptable upon receipt for EPA 522? Yes No NA
Free Chlorine tested and acceptable upon receipt for EPA 218.7, 300.1, 537, 539? Yes No NA

Comments:

APPENDIX E

WELL SURVEY

WELL SURVEY
Alameda County Public Works
729 45th Avenue, Oakland

| Address | Longcity | Tsrqq | Totaldept | Use |
|----------------------|-----------------|--------------|------------------|------------|
| 2744 East 11th St. | Oakland | 2S/3W 7B | | DES |
| 2744 East 11th St. | Oakland | 2S/3W 7B | | DES |
| 2744 East 11th St. | Oakland | 2S/3W 7B | | DES |
| 2744 East 11th St. | Oakland | 2S/3W 7B | | DES |
| 2744 East 11th St. | Oakland | 2S/3W 7B | | DES |
| 2744 East 11th St. | Oakland | 2S/3W 7B | | DES |
| 2744 East 11th St. | Oakland | 2S/3W 7B | | DES |
| 2744 East 11th St. | Oakland | 2S/3W 7B | | DES |
| 2744 East 11th St. | Oakland | 2S/3W 7B | | DES |
| 1100 29TH AVE | Oakland | 2S/3W 7B | 875 | DES |
| 1100 29TH AVE | Oakland | 2S/3W 7B | 873 | IND |
| 1100 29TH Ave | Oakland | 2S/3W 7B | 704 | IND |
| 1100 29TH Ave | Oakland | 2S/3W 7B | 385 | IND |
| 955 Kennedy Street | Oakland | 2S/3W 7C | 28.1 | DES |
| 955 Kennedy Street | Oakland | 2S/3W 7C | 28.4 | DES |
| 955 Kennedy Street | Oakland | 2S/3W 7C | 25 | DES |
| 955 Kennedy Street | Oakland | 2S/3W 7C | 25.1 | DES |
| 955 Kennedy St. | Oakland | 2S/3W 7C | 25 | MON |
| 955 Kennedy St. | Oakland | 2S/3W 7C | 30 | MON |
| 955 Kennedy St. | Oakland | 2S/3W 7C | 27 | MON |
| 955 Kennedy St. | Oakland | 2S/3W 7C | 34 | MON |
| 955 Kennedy St. | Oakland | 2S/3W 7C | 34 | MON |
| 646 Kennedy St | Oakland | 2S/3W 7C | 16 | MON |
| 646 Kennedy St | Oakland | 2S/3W 7C | 17 | MON |
| 800 Kennedy St | Oakland | 2S/3W 7C | 20 | MON |
| 727 Kennedy St | Oakland | 2S/3W 7C | 17 | MON |
| 18950 Embarcadero St | Oakland | 2S/3W 7D | 48 | MON |
| 18950 Embarcadero St | Oakland | 2S/3W 7D | 47.5 | MON |
| 1033 44TH AVE. | Oakland | 2S/3W 8K | 27 | MON |
| 1066 47TH AVE. | Oakland | 2S/3W 8K | 25 | MON |
| 1066 47TH AVE. | Oakland | 2S/3W 8K | 27 | MON |

WELL SURVEY
Alameda County Public Works
729 45th Avenue, Oakland

| | | | | |
|------------------------|---------|----------|-----|-----|
| 1066 47TH AVE. | Oakland | 2S/3W 8K | 25 | MON |
| 4301 SAN LEANDRO ST | Oakland | 2S/3W 8L | 37 | BOR |
| 1007 41ST AVENUE | Oakland | 2S/3W 8L | 17 | BOR |
| 720 High St. | Oakland | 2S/3W 8L | 10 | BOR |
| 350 42ND AVE | Oakland | 2S/3W 8L | | DES |
| 4901 E 12TH ST | Oakland | 2S/3W 8L | 300 | ABN |
| 860 42ND AVE | Oakland | 2S/3W 8L | 235 | DES |
| 860 42ND AVE | Oakland | 2S/3W 8L | 244 | DES |
| 860 42ND AVE | Oakland | 2S/3W 8L | 20 | DES |
| 860 42ND AVE | Oakland | 2S/3W 8L | 25 | DES |
| 860 42ND AVE | Oakland | 2S/3W 8L | 22 | MON |
| 860 42ND AVE | Oakland | 2S/3W 8L | 22 | DES |
| 860 42ND AVE | Oakland | 2S/3W 8L | 22 | DES |
| 860 42ND AVE | Oakland | 2S/3W 8L | 87 | DES |
| 860 42ND AVE | Oakland | 2S/3W 8L | 87 | DES |
| 860 42ND AVE | Oakland | 2S/3W 8L | 77 | DES |
| 860 42ND AVE | Oakland | 2S/3W 8L | 40 | DES |
| HIGH & WATTING STREETS | Oakland | 2S/3W 8L | 77 | DES |
| 860 42ND AVE | Oakland | 2S/3W 8L | 87 | DES |
| 860 42ND AVE | Oakland | 2S/3W 8L | 32 | MON |
| 860 42ND AVE | Oakland | 2S/3W 8L | 31 | DES |
| 860 42ND AVE | Oakland | 2S/3W 8L | 32 | DES |
| 860 42ND AVE | Oakland | 2S/3W 8L | 34 | MON |
| 860 42ND AVE | Oakland | 2S/3W 8L | 31 | MON |
| 860 42ND AVE | Oakland | 2S/3W 8L | 34 | MON |
| 860 42ND AVE | Oakland | 2S/3W 8L | 32 | MON |
| 4301 SAN LEANDRO ST | Oakland | 2S/3W 8L | 12 | MON |
| 4301 SAN LEANDRO ST | Oakland | 2S/3W 8L | 12 | MON |
| 4301 SAN LEANDRO ST | Oakland | 2S/3W 8L | 12 | MON |
| 4301 SAN LEANDRO ST | Oakland | 2S/3W 8L | 12 | MON |
| 850-42ND AVE | Oakland | 2S/3W 8L | 55 | MON |

WELL SURVEY
Alameda County Public Works
729 45th Avenue, Oakland

| | | | | |
|----------------------|---------|----------|----|------|
| 850-42ND AVE | Oakland | 2S/3W 8L | 29 | MON |
| 850-42ND AVE | Oakland | 2S/3W 8L | 28 | MON |
| 850-42ND AVE | Oakland | 2S/3W 8L | 25 | MON |
| 850-42ND AVE | Oakland | 2S/3W 8L | 27 | MON |
| 850-42ND AVE | Oakland | 2S/3W 8L | 25 | MON |
| 850-42ND AVE | Oakland | 2S/3W 8L | 30 | MON |
| 720 HIGH STREET | Oakland | 2S/3W 8L | 35 | MON |
| 720 High Street | Oakland | 2S/3W 8L | 36 | DES |
| 720 HIGH STREET | Oakland | 2S/3W 8L | 35 | MON |
| 720 High Street | Oakland | 2S/3W 8L | 36 | DES |
| 720 HIGH STREET | Oakland | 2S/3W 8L | 35 | MON |
| 720 HIGH STREET | Oakland | 2S/3W 8L | 33 | MON |
| 720 HIGH STREET | Oakland | 2S/3W 8L | 35 | MON |
| 720 High Street | Oakland | 2S/3W 8L | 36 | DES |
| 720 HIGH STREET | Oakland | 2S/3W 8L | 35 | MON |
| 720 HIGH STREET | Oakland | 2S/3W 8L | 35 | MON |
| 720 HIGH ST | Oakland | 2S/3W 8L | 29 | MON |
| 720 HIGH ST | Oakland | 2S/3W 8L | 33 | MON |
| 720 HIGH ST | Oakland | 2S/3W 8L | 33 | MON |
| 720 High St. | Oakland | 2S/3W 8L | 7 | MON |
| 720 High St. | Oakland | 2S/3W 8L | 10 | MON |
| 720 High St. | Oakland | 2S/3W 8L | 8 | MON |
| 900 High St | Oakland | 2S/3W 8L | 24 | MON |
| 900 High St | Oakland | 2S/3W 8L | 23 | MON |
| 900 High St | Oakland | 2S/3W 8L | 24 | MON |
| 3801 EAST 8TH AVE | Oakland | 2S/3W 8M | 30 | BOR |
| 3801 East 8th Street | Oakland | 2S/3W 8M | 0 | BOR* |
| 3801 East 8th Street | Oakland | 2S/3W 8M | 7 | BOR* |
| 3801 E. 8th St. | Oakland | 2S/3W 8M | 24 | GEO |
| EAST 8TH ST | Oakland | 2S/3W 8M | 22 | MON |
| 3801 East 8th Street | Oakland | 2S/3W 8M | 24 | MON |

WELL SURVEY
Alameda County Public Works
729 45th Avenue, Oakland

| | | | | |
|----------------------|---------|----------|-----|-----|
| 3801 East 8th Street | Oakland | 2S/3W 8M | 25 | ON |
| 3801 East 8th Street | Oakland | 2S/3W 8M | 20 | MON |
| 3801 East 8th Street | Oakland | 2S/3W 8M | 22 | MON |
| 3801 East 8th Street | Oakland | 2S/3W 8M | 18 | MON |
| 3801 East 8th Street | Oakland | 2S/3W 8M | 180 | IRR |
| 3801 East 8th Street | Oakland | 2S/3W 8M | 25 | MON |
| 3801 East 8th Street | Oakland | 2S/3W 8M | 20 | MON |
| 3801 East 8th Street | Oakland | 2S/3W 8M | 20 | MON |
| 3801 East 8th Street | Oakland | 2S/3W 8M | 19 | MON |
| 3801 East 8th Street | Oakland | 2S/3W 8M | 19 | MON |
| 3801 East 8th Street | Oakland | 2S/3W 8M | 19 | MON |
| 3801 East 8th Street | Oakland | 2S/3W 8M | 22 | MON |
| 3801 East 8th Street | Oakland | 2S/3W 8M | 18 | MON |
| 3801 East 8th Street | Oakland | 2S/3W 8M | 18 | MON |
| 3801 East 8th Street | Oakland | 2S/3W 8M | 23 | MON |
| 3801 East 8th Street | Oakland | 2S/3W 8M | 18 | MON |
| 3801 E 8th ST | Oakland | 2S/3W 8M | 15 | MON |
| 3801 E 8th ST | Oakland | 2S/3W 8M | 19 | MON |
| 3801 E 8th ST | Oakland | 2S/3W 8M | 20 | MON |
| 3801 E 8th ST | Oakland | 2S/3W 8M | 19 | MON |
| 3801 E 8th ST | Oakland | 2S/3W 8M | 19 | MON |
| 3801 East 8th St | Oakland | 2S/3W 8M | 23 | TES |
| 3801 East 8th St | Oakland | 2S/3W 8M | 19 | MON |
| 3801 East 8th St | Oakland | 2S/3W 8M | 21 | MON |
| 3801 East 8th St | Oakland | 2S/3W 8M | 19 | MON |
| 3801 E 8th St | Oakland | 2S/3W 8M | 19 | MON |
| 3801 E 8th St | Oakland | 2S/3W 8M | 19 | MON |
| 3801 E. 8th St | Oakland | 2S/3W 8M | 23 | MON |
| 3801 E. 8th St | Oakland | 2S/3W 8M | 25 | MON |
| 3801 E. 8th St | Oakland | 2S/3W 8M | 20 | MON |

WELL SURVEY
Alameda County Public Works
729 45th Avenue, Oakland

| | | | | |
|-----------------------|---------|----------|----|------|
| 3801 E. 8th St | Oakland | 2S/3W 8M | 22 | MON |
| 3801 E. 8th St | Oakland | 2S/3W 8M | 25 | MON |
| 3801 E. 8th St | Oakland | 2S/3W 8M | 25 | MON |
| 3801 E. 8th St | Oakland | 2S/3W 8M | 25 | MON |
| 3801 E. 8th St | Oakland | 2S/3W 8M | 24 | MON |
| 301 - 411 High Street | Oakland | 2S/3W 8N | 6 | BOR |
| 630 HIGH ST | Oakland | 2S/3W 8N | 10 | BOR* |
| 630 High Street | Oakland | 2S/3W 8N | 10 | BOR |
| 630 High Street | Oakland | 2S/3W 8N | 9 | BOR |
| 401 HIGH STREET | Oakland | 2S/3W 8N | 18 | BOR |
| 410 High Street | Oakland | 2S/3W 8N | 25 | MON |
| 410 High Street | Oakland | 2S/3W 8N | 0 | BOR* |
| 401 HIGH ST | Oakland | 2S/3W 8N | 10 | MON |
| 401 HIGH ST | Oakland | 2S/3W 8N | 30 | MON |
| 411 High Street | Oakland | 2S/3W 8N | 10 | DES |
| 411 High Street | Oakland | | 7 | EXT |
| 411 High Street | Oakland | | 10 | EXT |
| 411 High Street | Oakland | | 13 | EXT |
| 411 High Street | Oakland | | 13 | EXT |
| 411 High Street | Oakland | 2S/3W 8N | 14 | EXT |
| 411 High Street | Oakland | 2S/3W 8N | 14 | EXT |
| 411 High Street | Oakland | 2S/3W 8N | 15 | EXT |
| 411 High Street | Oakland | 2S/3W 8N | 14 | EXT |
| 411 High Street | Oakland | 2S/3W 8N | 15 | EXT |
| 411 High Street | Oakland | 2S/3W 8N | 15 | EXT |
| 411 High Street | Oakland | 2S/3W 8N | 14 | EXT |
| 411 High Street | Oakland | 2S/3W 8N | 14 | EXT |
| 411 High Street | Oakland | 2S/3W 8N | 13 | EXT |
| 411 High Street | Oakland | 2S/3W 8N | 12 | EXT |
| 411 High Street | Oakland | 2S/3W 8N | 12 | EXT |
| 411 High Street | Oakland | 2S/3W 8N | 12 | EXT |

WELL SURVEY
Alameda County Public Works
729 45th Avenue, Oakland

| | | | | |
|-----------------|---------|----------|------|-----|
| 411 High Street | Oakland | 2S/3W 8N | 16 | EXT |
| 411 High Street | Oakland | 2S/3W 8N | 16 | EXT |
| 411 High Street | Oakland | 2S/3W 8N | 15 | EXT |
| 411 High Street | Oakland | 2S/3W 8N | 15 | EXT |
| 411 High Street | Oakland | 2S/3W 8N | 18 | EXT |
| 411 High Street | Oakland | 2S/3W 8N | 13 | EXT |
| 411 High Street | Oakland | 2S/3W 8N | 13 | EXT |
| 411 High Street | Oakland | 2S/3W 8N | 23 | INJ |
| 411 High Street | Oakland | 2S/3W 8N | 22 | INJ |
| 411 High Street | Oakland | 2S/3W 8N | 20.5 | INJ |
| 411 High Street | Oakland | 2S/3W 8N | 21 | INJ |
| 411 High Street | Oakland | 2S/3W 8N | 20.5 | INJ |
| 411 High Street | Oakland | 2S/3W 8N | 20 | INJ |
| 411 High Street | Oakland | 2S/3W 8N | 21 | INJ |
| 411 High Street | Oakland | 2S/3W 8N | 22 | INJ |
| 411 High Street | Oakland | 2S/3W 8N | 23 | INJ |
| 411 High Street | Oakland | 2S/3W 8N | 21 | INJ |
| 411 High Street | Oakland | 2S/3W 8N | 21 | INJ |
| 411 High Street | Oakland | 2S/3W 8N | 22 | INJ |
| 411 High Street | Oakland | 2S/3W 8N | 22 | INJ |
| 411 High Street | Oakland | 2S/3W 8N | 23 | INJ |
| 411 High Street | Oakland | 2S/3W 8N | 23 | INJ |
| 411 High Street | Oakland | 2S/3W 8N | 21 | INJ |
| 411 High Street | Oakland | 2S/3W 8N | 18 | INJ |
| 411 High Street | Oakland | 2S/3W 8N | 23 | INJ |
| 411 High Street | Oakland | 2S/3W 8N | 24 | INJ |
| 411 High Street | Oakland | 2S/3W 8N | 24 | INJ |
| 411 High Street | Oakland | 2S/3W 8N | 24 | INJ |
| 411 High Street | Oakland | 2S/3W 8N | 24 | INJ |

WELL SURVEY
Alameda County Public Works
729 45th Avenue, Oakland

| | | | | |
|-----------------|---------|----------|----|------|
| 411 High Street | Oakland | 2S/3W 8N | 24 | INJ |
| 411 High Street | Oakland | 2S/3W 8N | 23 | INJ |
| ALAMEDA AVE | Oakland | 2S/3W 8N | 31 | DES |
| ALAMEDA AVE | Oakland | 2S/3W 8N | 31 | DES |
| ALAMEDA AVE | Oakland | 2S/3W 8N | 31 | DES |
| ALAMEDA AVE | Oakland | 2S/3W 8N | 31 | DES |
| 630 HIGH ST | Oakland | 2S/3W 8N | 14 | MON |
| 630 HIGH ST | Oakland | 2S/3W 8N | 20 | MON |
| 630 HIGH ST | Oakland | 2S/3W 8N | 17 | MON |
| 630 HIGH ST | Oakland | 2S/3W 8N | 17 | MON |
| 630 High Street | Oakland | 2S/3W 8N | 18 | MON |
| 630 High Street | Oakland | 2S/3W 8N | 20 | MON |
| 630 High Street | Oakland | 2S/3W 8N | 20 | MON |
| 630 High Street | Oakland | 2S/3W 8N | 21 | MON |
| 630 High Street | Oakland | 2S/3W 8N | 12 | MON |
| 630 High Street | Oakland | 2S/3W 8N | 13 | MON |
| 410 High Street | Oakland | 2S/3W 8N | 98 | MON |
| 410 High Street | Oakland | 2S/3W 8N | 0 | BOR* |
| 410 High Street | Oakland | 2S/3W 8N | 25 | MON |
| 410 High Street | Oakland | 2S/3W 8N | 25 | MON |
| 410 High Street | Oakland | 2S/3W 8N | 27 | MON |
| 410 High Street | Oakland | 2S/3W 8N | 30 | MON |
| 410 High Street | Oakland | 2S/3W 8N | 26 | MON |
| 410 High Street | Oakland | 2S/3W 8N | 23 | MON |
| 410 High Street | Oakland | 2S/3W 8N | 26 | MON |
| 410 High Street | Oakland | 2S/3W 8N | 26 | MON |
| 410 High Street | Oakland | 2S/3W 8N | 24 | MON |
| 410 High Street | Oakland | 2S/3W 8N | 26 | MON |
| 410 High Street | Oakland | 2S/3W 8N | 25 | MON |
| 410 High Street | Oakland | 2S/3W 8N | 22 | MON |
| 410 High Street | Oakland | 2S/3W 8N | 24 | MON |

WELL SURVEY
Alameda County Public Works
729 45th Avenue, Oakland

| | | | | |
|-----------------------|---------|----------|-----|------|
| 410 High Street | Oakland | 2S/3W 8N | 22 | MON |
| 410 High Street | Oakland | 2S/3W 8N | 24 | MON |
| 410 High Street | Oakland | 2S/3W 8N | 29 | MON |
| 410 High Street | Oakland | 2S/3W 8N | 27 | MON |
| 301 - 411 High Street | Oakland | 2S/3W 8N | 14 | MON |
| 301 - 411 High Street | Oakland | 2S/3W 8N | 0 | BOR* |
| 301 - 411 High Street | Oakland | 2S/3W 8N | 23 | MON |
| 301 - 411 High Street | Oakland | 2S/3W 8N | 23 | MON |
| 301 - 411 High Street | Oakland | 2S/3W 8N | 23 | MON |
| 301 - 411 High Street | Oakland | 2S/3W 8N | 23 | MON |
| 301 - 411 High Street | Oakland | 2S/3W 8N | 23 | MON |
| 301 - 411 High Street | Oakland | 2S/3W 8N | 25 | MON |
| 301 - 411 High Street | Oakland | 2S/3W 8N | 8 | MON |
| 301 - 411 High Street | Oakland | 2S/3W 8N | 8 | MON |
| 301 - 411 High Street | Oakland | 2S/3W 8N | 8 | MON |
| 301 - 411 High Street | Oakland | 2S/3W 8N | 7 | MON |
| 411 High Street | Oakland | 2S/3W 8N | 15 | MON |
| 411 High Street | Oakland | 2S/3W 8N | 16 | BOR* |
| 411 High Street | Oakland | 2S/3W 8N | 8 | MON |
| 411 High Street | Oakland | 2S/3W 8N | 29 | MON |
| 411 High Street | Oakland | 2S/3W 8N | 9 | MON |
| 411 High Street | Oakland | 2S/3W 8N | 29 | MON |
| 500 High St | Oakland | 2S/3W 8N | 18 | MON |
| 500 High St | Oakland | 2S/3W 8N | 127 | DOM |
| 500 High St | Oakland | 2S/3W 8N | 24 | MON |
| 500 High St | Oakland | 2S/3W 8N | 25 | MON |
| 401 High St | Oakland | 2S/3W 8N | 50 | MON |
| 401 High St | Oakland | 2S/3W 8N | 50 | MON |
| 401 High St | Oakland | 2S/3W 8N | 50 | MON |
| 411 High St | Oakland | 2S/3W 8N | 24 | MON |
| 411 High St | Oakland | 2S/3W 8N | 27 | MON |

WELL SURVEY
Alameda County Public Works
729 45th Avenue, Oakland

| | | | | |
|-------------------|---------|----------|----|-----|
| 411 High St | Oakland | 2S/3W 8N | 24 | MON |
| 411 High St | Oakland | 2S/3W 8N | 24 | MON |
| 411 High St | Oakland | 2S/3W 8N | 32 | MON |
| 500 High St | Oakland | 2S/3W 8N | 25 | MON |
| 401 High St | Oakland | 2S/3W 8N | 47 | MON |
| 401 High St | Oakland | 2S/3W 8N | 45 | MON |
| 500 High St | Oakland | 2S/3W 8N | 20 | DES |
| 500 High St | Oakland | 2S/3W 8N | 22 | MON |
| 301 - 411 High St | Oakland | 2S/3W 8N | 5 | MON |
| 301 - 411 High St | Oakland | 2S/3W 8N | 8 | MON |
| 301 - 411 High St | Oakland | 2S/3W 8N | 24 | MON |
| 301 - 411 High St | Oakland | 2S/3W 8N | 32 | OTH |
| 401 High St. | Oakland | 2S/3W 8N | 31 | EXT |
| 401 High St. | Oakland | 2S/3W 8N | 29 | EXT |
| 401 High St. | Oakland | 2S/3W 8N | 31 | EXT |
| 401 High St. | Oakland | 2S/3W 8N | 29 | EXT |
| 401 High St. | Oakland | 2S/3W 8N | 29 | EXT |
| 401 High St. | Oakland | 2S/3W 8N | 31 | EXT |
| 401 High St. | Oakland | 2S/3W 8N | 30 | EXT |
| 401 High St. | Oakland | 2S/3W 8N | 33 | EXT |
| 401 High St. | Oakland | 2S/3W 8N | 31 | EXT |
| 4341 Howard St | Oakland | 2S/3W 8N | 20 | MON |
| 500 High St | Oakland | 2S/3W 8N | 17 | MON |
| 720 High Street | Oakland | 2S/3W 8P | 35 | MON |
| 720 High St. | Oakland | 2S/3W 8P | 45 | MON |
| 720 High St. | Oakland | 2S/3W 8P | 17 | TES |
| 720 High Street | Oakland | 2S/3W 8P | 17 | DES |
| 720 High St. | Oakland | 2S/3W 8P | 22 | DES |
| 720 High Street | Oakland | 2S/3W 8P | 29 | MON |
| 720 High Street | Oakland | 2S/3W 8P | 35 | MON |
| 720 High Street | Oakland | 2S/3W 8P | 35 | MON |

WELL SURVEY
Alameda County Public Works
729 45th Avenue, Oakland

| | | | | |
|-----------------|---------|----------|---------|------|
| 720 High Street | Oakland | 2S/3W 8P | 33 | MON |
| 720 High Street | Oakland | 2S/3W 8P | 35 | MON |
| 720 High Street | Oakland | 2S/3W 8P | 30 | MON |
| 720 High Street | Oakland | 2S/3W 8P | 35 | MON |
| 720 High Street | Oakland | 2S/3W 8P | 32 | MON |
| 720 High Street | Oakland | 2S/3W 8P | 25 | MON |
| 720 High Street | Oakland | 2S/3W 8P | 15 | MON |
| 720 High Street | Oakland | 2S/3W 8P | 15 | MON |
| 720 High Street | Oakland | 2S/3W 8P | 35 | MON |
| 720 High Street | Oakland | 2S/3W 8P | 13 | BOR* |
| 720 High Street | Oakland | 2S/3W 8P | 12.5 | MON |
| 720 High Street | Oakland | 2S/3W 8P | 24 | MON |
| 720 High Street | Oakland | 2S/3W 8P | 13 | MON |
| 720 High Street | Oakland | 2S/3W 8P | 26 | MON |
| 720 High Street | Oakland | 2S/3W 8P | 14 | MON |
| 720 High Street | Oakland | 2S/3W 8P | 31 | MON |
| 720 High Street | Oakland | 2S/3W 8P | 14 | MON |
| 720 High Street | Oakland | 2S/3W 8P | 24 | MON |
| 720 High Street | Oakland | 2S/3W 8P | 13.5 | MON |
| 720 High Street | Oakland | 2S/3W 8P | 13 | MON |
| 720 High Street | Oakland | 2S/3W 8P | Unknown | REM |
| 720 High Street | Oakland | 2S/3W 8P | Unknown | REM |
| 720 High Street | Oakland | 2S/3W 8P | Unknown | REM |
| 720 High Street | Oakland | 2S/3W 8P | Unknown | REM |
| 720 High Street | Oakland | 2S/3W 8P | Unknown | SPAR |
| 720 High Street | Oakland | 2S/3W 8P | Unknown | SPAR |
| 720 High Street | Oakland | 2S/3W 8P | Unknown | SPAR |
| 720 High Street | Oakland | 2S/3W 8P | Unknown | SPAR |
| 720 High Street | Oakland | 2S/3W 8P | Unknown | SPAR |
| 720 High Street | Oakland | 2S/3W 8P | Unknown | SPAR |
| 768 46th Ave | Oakland | 2S/3W 8P | 14 | TES |

WELL SURVEY
Alameda County Public Works
729 45th Avenue, Oakland

| | | | | |
|--|---------|-----------|-------|------|
| 768 46th Ave | Oakland | 2S/3W 8P | 15 | TES |
| 768 46th Ave | Oakland | 2S/3W 8P | 13 | TES |
| 715 46th Av | Oakland | 2S/3W 8P | 20 | MON |
| Coliseum Wy & 45th Ave | Oakland | 2S/3W 8P | 120 | CAT |
| 744 High Street | Oakland | 2S/3W 8P | 25 | MON |
| 744 High Street | Oakland | 2S/3W 8P | 19 | MON |
| 744 High Street | Oakland | 2S/3W 8P | 24 | MON |
| 744 High Street | Oakland | 2S/3W 8P | 7 | BOR* |
| 4800 Coliseum Way | Oakland | 2S/3W 8P | 19 | MON |
| 720 High St | Oakland | 2S/3W 8P | 13 | MON |
| 720 High St | Oakland | 2S/3W 8P | 13 | MON |
| 5115 EAST 8TH ST | Oakland | 2S/3W 8Q | 11.3 | DES |
| 5115 EAST 8TH ST | Oakland | 2S/3W 8Q | 19.6 | DES |
| 5115 EAST 8TH ST | Oakland | 2S/3W 8Q | 18.4 | DES |
| 5115 EAST 8TH ST | Oakland | 2S/3W 8Q | 19.75 | DES |
| 5115 EAST 8TH ST | Oakland | 2S/3W 8Q | 20 | DES |
| 4701 SAN LEANDRO BLVD | Oakland | 2S/3W 8Q | 756 | IND |
| 4930 Coliseum Way | Oakland | 2S/3W 8Q | 19 | MON |
| 4930 Coliseum Way | Oakland | 2S/3W 8Q | 18 | MON |
| 4930 COLISEUM WAY | Oakland | 2S/3W 8Q | 18 | MON |
| 4930 COLISEUM WAY | Oakland | 2S/3W 8Q | 19 | MON |
| 4930 COLISEUM WAY | Oakland | 2S/3W 8Q | 19 | MON |
| 4930 COLISEUM WAY | Oakland | 2S/3W 8Q | 27 | MON |
| 4930 COLISEUM WAY | Oakland | 2S/3W 8Q | 12 | BOR |
| 744 HIGH ST. | Oakland | 2S/3W 8Q | 15 | BOR |
| 717 50th Ave.(4930 Coliseum Way) Oakland General Construction Yard | Oakland | 2S/3W 8Q5 | 16.5 | DES |
| 717 50th Ave.(4930 Coliseum Way) Oakland General Construction Yard | Oakland | 2S/3W 8Q8 | 18 | DES |
| 717 50th Ave.(4930 Coliseum Way) Oakland General Construction Yard | Oakland | 2S/3W 8Q9 | 18 | DES |

WELL SURVEY
CALIFORNIA DEPARTMENT OF WATER RESOURCES
729 45th Avenue Oakland

| Township | Section | Tract | Log Number | Well_Address | Community | WorkType | WaterUse | Depth |
|----------|---------|-------|------------|--------------|-----------|--|------------|-------|
| 02S03W | 8 | | 01-429A | | OAKLAND | New Well | Monitoring | 12 |
| 02S03W | 8 | | 01-429A-L | | OAKLAND | New Well | Monitoring | 12 |
| 02S03W | 8 | | 01-429B | | OAKLAND | New Well | Monitoring | 12 |
| 02S03W | 8 | | 01-429C | | OAKLAND | New Well | Monitoring | 12 |
| 02S03W | 8 | | 01-429D | | OAKLAND | New Well | Monitoring | 12 |
| 02S03W | 8 | | 01-429E | | OAKLAND | New Well | Monitoring | 12 |
| 02S03W | 8 | | 01-429F | | OAKLAND | New Well | Monitoring | 12 |
| 02S03W | 8 | | 01-429G | | OAKLAND | New Well | Monitoring | 12 |
| 02S03W | 8 | | 01-429H | | OAKLAND | New Well | Monitoring | 12 |
| 02S03W | 8 | | 01-429I | | OAKLAND | New Well | Monitoring | 12 |
| 02S03W | 8 | | 01-429J | | OAKLAND | Test hole: soil sampling or exploration hole | Monitoring | 12 |
| 02S03W | 8 | | 01-429K | | OAKLAND | Test hole: soil sampling or exploration hole | Monitoring | 12 |
| 02S03W | 8 | | 01-429L | | OAKLAND | Test hole: soil sampling or exploration hole | Monitoring | 12 |
| 02S03W | 8 | | 01-1298 | | | | | |
| 02S03W | 8 | | 01-1299 | | | | | |
| 02S03W | 8 | | 281006 | | OAKLAND | New Well | Monitoring | 18 |
| 02S03W | 8 | | 281007 | | OAKLAND | New Well | Monitoring | 19 |
| 02S03W | 8 | | 329017 | | OAKLAND | New Well | Monitoring | 25 |
| 02S03W | 8 | | 01-1302 | | | | | |
| 02S03W | 8 | | NN | | | | | |
| 02S03W | 8 | | 281008 | | OAKLAND | New Well | Monitoring | 18 |
| 02S03W | 8 | | 281009A | | OAKLAND | New Well | Monitoring | 22 |
| 02S03W | 8 | | 281009B | | OAKLAND | New Well | Monitoring | 22 |
| 02S03W | 8 | | 281009C | | OAKLAND | New Well | Monitoring | 22 |
| 02S03W | 8 | | 281009 | | OAKLAND | New Well | Monitoring | 22 |
| 02S03W | 8 | | 281009D | | OAKLAND | New Well | Monitoring | 22 |
| 02S03W | 8 | | 281009E | | OAKLAND | New Well | Monitoring | 22 |
| 02S03W | 8 | | 281009F | | OAKLAND | New Well | Monitoring | 22 |
| 02S03W | 8 | | 281009G | | OAKLAND | New Well | Monitoring | 22 |
| 02S03W | 8 | | 281009H | | OAKLAND | New Well | Monitoring | 22 |
| 02S03W | 8 | | 281009I | | OAKLAND | New Well | Monitoring | 22 |
| 02S03W | 8 | | 281009J | | OAKLAND | Test hole: soil sampling or exploration hole | Monitoring | 15 |
| 02S03W | 8 | | 281009K | | OAKLAND | Test hole: soil sampling or exploration hole | Monitoring | 15 |
| 02S03W | 8 | | 281009L | | OAKLAND | Test hole: soil sampling or exploration hole | Monitoring | 4 |
| 02S03W | 8 | | 281009M | | OAKLAND | Test hole: soil sampling or exploration hole | Monitoring | 22 |
| 02S03W | 8 | | 281009N | | OAKLAND | Test hole: soil sampling or exploration hole | Monitoring | 16 |
| 02S03W | 8 | | 281009O | | OAKLAND | Test hole: soil sampling or exploration hole | Monitoring | 17 |
| 02S03W | 8 | | 281009P | | OAKLAND | Test hole: soil sampling or exploration hole | Monitoring | 17 |
| 02S03W | 8 | | 281009Q | | OAKLAND | Test hole: soil sampling or exploration hole | Monitoring | 17 |
| 02S03W | 8 | | 428875 | | OAKLAND | New Well | Monitoring | 19 |
| 02S03W | 8 | | 428876 | | OAKLAND | New Well | Monitoring | 18 |

WELL SURVEY
CALIFORNIA DEPARTMENT OF WATER RESOURCES
729 45th Avenue Oakland

| | | | | | | | |
|--------|-------|---------|--|---------|--|------------|----|
| 02S03W | 7 A | 01-460T | | OAKLAND | New Well | Monitoring | 30 |
| 02S03W | 07A-J | 01-460U | | OAKLAND | New Well | Monitoring | 30 |
| 02S03W | 07A-J | 33107 | | | | | |
| 02S03W | 07A-J | 340360 | | OAKLAND | New Well | Monitoring | 31 |
| 02S03W | 07A-J | 340361 | | OAKLAND | New Well | Monitoring | 30 |
| 02S03W | 07A-J | 340362 | | OAKLAND | New Well | Monitoring | 27 |
| 02S03W | 07A-J | 340363 | | OAKLAND | New Well | Monitoring | 33 |
| 02S03W | 07A-J | 340364 | | OAKLAND | New Well | Monitoring | 34 |
| 02S03W | 07A-J | 140350 | | | | | |
| 02S03W | 07A-J | 254045 | | ALAMEDA | New Well | Monitoring | 15 |
| 02S03W | 07A-J | 254047 | | ALAMEDA | New Well | Monitoring | 13 |
| 02S03W | 07A-J | 254046 | | ALAMEDA | New Well | Monitoring | 13 |
| 02S03W | 07A-J | 254050 | | ALAMEDA | New Well | Monitoring | 13 |
| 02S03W | 07A-J | 254049 | | ALAMEDA | New Well | Monitoring | 13 |
| 02S03W | 07A-J | 254038 | | ALAMEDA | New Well | | 15 |
| 02S03W | 7 F | 01-088A | | OAKLAND | New Well | Monitoring | 24 |
| 02S03W | 7 F | 01-088B | | OAKLAND | New Well | Monitoring | 24 |
| 02S03W | 7 F | 01-088C | | OAKLAND | New Well | Monitoring | 24 |
| 02S03W | 7 F | 01-088D | | OAKLAND | New Well | Monitoring | 24 |
| 02S03W | 7 F | 01-088E | | OAKLAND | New Well | Monitoring | 24 |
| 02S03W | 7 F | 01-088F | | OAKLAND | New Well | Monitoring | 24 |
| 02S03W | 7 F | 01-097A | | OAKLAND | New Well | Monitoring | 24 |
| 02S03W | 7 F | 01-097B | | OAKLAND | New Well | Monitoring | 24 |
| 02S03W | 7 F | 01-097C | | OAKLAND | New Well | Monitoring | 24 |
| 02S03W | 7 F | 01-097D | | OAKLAND | New Well | Monitoring | 24 |
| 02S03W | 7 | 01_272 | | | | | |
| 02S03W | 07A-J | 01-272A | | OAKLAND | New Well | Monitoring | 22 |
| 02S03W | 07A-J | 01-272B | | OAKLAND | New Well | Monitoring | 22 |
| 02S03W | 07A-J | 01-272C | | OAKLAND | New Well | Monitoring | 22 |
| 02S03W | 07A-J | 01-405Z | | OAKLAND | New Well | Extraction | 27 |
| 02S03W | 07A-J | 01-510N | | OAKLAND | New Well | Monitoring | 20 |
| 02S03W | 7 | 01_5100 | | | | | |
| 02S03W | 07A-J | 01-510P | | OAKLAND | New Well | Monitoring | 19 |
| 02S03W | 07A-J | 483819 | | OAKLAND | New Well | Monitoring | 16 |
| 02S03W | 07A-J | 483821 | | OAKLAND | New Well | Monitoring | 17 |
| 02S03W | 7 | 01_1420 | | | | | |
| 02S03W | 07A-J | 01-485K | | OAKLAND | Test hole: soil sampling or exploration hole | Monitoring | 11 |
| 02S03W | 07A-J | 01-485L | | OAKLAND | Test hole: soil sampling or exploration hole | Monitoring | 7 |
| 02S03W | 07A-J | 01-485M | | OAKLAND | Test hole: soil sampling or exploration hole | Monitoring | 10 |
| 02S03W | 07A-J | 01-485N | | OAKLAND | Test hole: soil sampling or exploration hole | Monitoring | 9 |
| 02S03W | 7 | 01_4850 | | | | | |
| 02S03W | 07A-J | 01-485P | | OAKLAND | Test hole: soil sampling or exploration hole | Monitoring | 9 |

WELL SURVEY
CALIFORNIA DEPARTMENT OF WATER RESOURCES
729 45th Avenue Oakland

| | | | | | | | | |
|--------|-------|---|---------|--|---------|----------------------------|------------|----|
| 02S03W | 7 | H | 01_1401 | | | | | |
| 02S03W | 07A-J | | 346012 | | OAKLAND | New Well | Monitoring | 30 |
| 02S03W | 07A-J | | 346013 | | OAKLAND | New Well | Monitoring | 31 |
| 02S03W | 07A-J | | 346014I | | OAKLAND | New Well | Monitoring | 31 |
| 02S03W | 07A-J | | 346014J | | | | | |
| 02S03W | 07A-J | | 346014K | | | | | |
| 02S03W | 07A-J | | 346014L | | | | | |
| 02S03W | 07A-J | | 346014M | | | | | |
| 02S03W | 07A-J | | 346014N | | | | | |
| 02S03W | 07A-J | | 346014Q | | | | | |
| 02S03W | 7 | | 01_4820 | | | | | |
| 02S03W | 7 | | 01-222 | | | | | |
| 02S03W | 7 | | 01-222A | | OAKLAND | New Well | Monitoring | 30 |
| 02S03W | 7 | | 01-222B | | OAKLAND | New Well | Monitoring | 30 |
| 02S03W | 7 | | 01-222L | | OAKLAND | Abandonment or destruction | | |
| 02S03W | 7 | | 01-222C | | OAKLAND | New Well | Monitoring | 30 |
| 02S03W | 7 | | 01-222D | | OAKLAND | New Well | Monitoring | 30 |
| 02S03W | 7 | | 01-222E | | OAKLAND | New Well | Monitoring | 30 |
| 02S03W | 7 | | 01-222F | | OAKLAND | New Well | Monitoring | 30 |
| 02S03W | 7 | | 01-222G | | OAKLAND | New Well | Monitoring | 30 |
| 02S03W | 7 | | 01-222H | | OAKLAND | New Well | Monitoring | 30 |
| 02S03W | 7 | | 01-222I | | OAKLAND | New Well | Monitoring | 30 |
| 02S03W | 7 | | 01_273 | | | | | |
| 02S03W | 07A-J | | 01-273C | | OAKLAND | New Well | Monitoring | 30 |
| 02S03W | 07A-J | | 01-273B | | OAKLAND | New Well | Monitoring | 30 |
| 02S03W | 07A-J | | 01-273D | | OAKLAND | New Well | Monitoring | 30 |
| 02S03W | 07A-J | | 01-273E | | OAKLAND | New Well | Monitoring | 30 |
| 02S03W | 07A-J | | 01-273F | | OAKLAND | New Well | Monitoring | 30 |
| 02S03W | 07A-J | | 01-273G | | OAKLAND | New Well | Monitoring | 30 |
| 02S03W | 07A-J | | 01-273H | | OAKLAND | New Well | Monitoring | 30 |
| 02S03W | 07A-J | | 01-273I | | OAKLAND | New Well | Monitoring | 30 |
| 02S03W | 07A-J | | 01-273J | | OAKLAND | New Well | Monitoring | 25 |
| 02S03W | 07A-J | | 01-273K | | OAKLAND | New Well | Monitoring | 32 |
| 02S03W | 07A-J | | 01-273L | | OAKLAND | New Well | Monitoring | 27 |
| 02S03W | 07A-J | | 01-273M | | OAKLAND | New Well | Monitoring | 27 |
| 02S03W | 07A-J | | 01-273N | | OAKLAND | New Well | Monitoring | 27 |
| 02S03W | 7 | | 01_2730 | | | | | |
| 02S03W | 07A-J | | 01-273P | | OAKLAND | New Well | Monitoring | 25 |
| 02S03W | 07A-J | | 01-273Q | | OAKLAND | New Well | Monitoring | 25 |
| 02S03W | 07A-J | | 01-273R | | OAKLAND | New Well | Extraction | 25 |
| 02S03W | 07A-J | | 405236A | | OAKLAND | New Well | Monitoring | 10 |
| 02S03W | 07A-J | | 405236B | | OAKLAND | New Well | Monitoring | 10 |

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| 02S03W | 07A-J | | 405236 | | | | |
| 02S03W | 07A-J | | 405236C | | OAKLAND | New Well | Monitoring 10 |
| 02S03W | 07A-J | | 405236D | | OAKLAND | New Well | Monitoring 10 |
| 02S03W | 07A-J | | 405236E | | OAKLAND | New Well | Monitoring 10 |
| 02S03W | 07A-J | | 405236F | | OAKLAND | New Well | Monitoring 10 |
| 02S03W | 07A-J | | 405236G | | OAKLAND | New Well | Monitoring 10 |
| 02S03W | | 7 J | 01_1421 | | | | |
| 02S03W | | 7 J | 01_1422 | | | | |
| 02S03W | 08N-08P | | 01-446R | | OAKLAND | New Well | Monitoring 24 |
| 02S03W | 08N-08P | | 01-446S | | OAKLAND | New Well | Monitoring 24 |
| 02S03W | 08N-08P | | 01-452H | | OAKLAND | New Well | Monitoring 16 |
| 02S03W | 08N-08P | | 01-452I | | OAKLAND | New Well | Monitoring 16 |
| 02S03W | 08N-08P | | 01-486A | | | | |
| 02S03W | 08N-08P | | 01-486B | | | | |
| 02S03W | 08N-08P | | 01-486C | | | | |
| 02S03W | 08N-08P | | 01-486D | | | | |
| 02S03W | 08N-08P | | 01-486E | | | | |
| 02S03W | 08N-08P | | 01-486F | | | | |
| 02S03W | 08N-08P | | 01-486G | | | | |
| 02S03W | 08N-08P | | 01-486H | | | | |
| 02S03W | 08N-08P | | 01-486I | | | | |
| 02S03W | 08N-08P | | 01-486J | | | | |
| 02S03W | 08N-08P | | 01-486K | | | | |
| 02S03W | 08N-08P | | 01-486L | | | | |
| 02S03W | 08N-08P | | 01-486M | | | | |
| 02S03W | 08N-08P | | 01-486O | | | | |
| 02S03W | 08N-08P | | 01-486N | | | | |
| 02S03W | 08N-08P | | 01-486P | | | | |
| 02S03W | 08N-08P | | 01-486Q | | | | |
| 02S03W | 08N-08P | | 01-486A-Q | | | | |
| 02S03W | 08N-08P | | 01-496A | | OAKLAND | New Well | Monitoring 8 |
| 02S03W | 08N-08P | | 01-496B | | OAKLAND | New Well | Monitoring 8 |
| 02S03W | 08N-08P | | 01-496C | | OAKLAND | New Well | Monitoring 8 |
| 02S03W | 08N-08P | | 01-496D | | OAKLAND | New Well | Monitoring 8 |
| 02S03W | 08N-08P | | 01-496E | | OAKLAND | New Well | Monitoring 8 |
| 02S03W | 08N-08P | | 01-496F | | OAKLAND | New Well | Monitoring 8 |
| 02S03W | 08N-08P | | 316524 | | OAKLAND | New Well | Monitoring 24 |
| 02S03W | 08N-08P | | 316526 | | OAKLAND | New Well | Monitoring 25 |
| 02S03W | 08N-08P | | 316525 | | OAKLAND | New Well | Monitoring 25 |
| 02S03W | 08N-08P | | 316529 | | OAKLAND | New Well | Monitoring 25 |
| 02S03W | 08N-08P | | 362183 | | OAKLAND | New Well | Monitoring 50 |
| 02S03W | 08N-08P | | 362181 | | OAKLAND | New Well | Monitoring 50 |

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| 02S03W | 08N-08P | | 362182 | | OAKLAND | New Well | Monitoring | 50 |
| 02S03W | 08N-08P | | 01-506I | | OAKLAND | New Well | Monitoring | 24 |
| 02S03W | 08N-08P | | 01-506J | | OAKLAND | New Well | Monitoring | 27 |
| 02S03W | 08N-08P | | 01-506K | | OAKLAND | New Well | Monitoring | 24 |
| 02S03W | 08N-08P | | 01-506L | | OAKLAND | New Well | Monitoring | 24 |
| 02S03W | 08N-08P | | 01-506M | | OAKLAND | New Well | Monitoring | 32 |
| 02S03W | 08N-08P | | 316548 | | OAKLAND | New Well | Monitoring | 25 |
| 02S03W | 08N-08P | | 405238A | | OAKLAND | New Well | Monitoring | 47 |
| 02S03W | 08N-08P | | 405238B | | OAKLAND | New Well | Monitoring | 47 |
| 02S03W | 08N-08P | | 01-536M | | OAKLAND | New Well | Extraction | 31 |
| 02S03W | 08N-08P | | 01-536N | | OAKLAND | New Well | Extraction | 29 |
| 02S03W | 08N-08P | | 01-536O | | OAKLAND | New Well | Extraction | 31 |
| 02S03W | 08N-08P | | 01-536P | | OAKLAND | New Well | Extraction | 29 |
| 02S03W | 08N-08P | | 01-536Q | | OAKLAND | New Well | Extraction | 29 |
| 02S03W | 08N-08P | | 01-536R | | OAKLAND | New Well | Extraction | 31 |
| 02S03W | 08N-08P | | 01-536S | | OAKLAND | New Well | Extraction | 30 |
| 02S03W | 08N-08P | | 01-536T | | OAKLAND | New Well | Extraction | 33 |
| 02S03W | 08N-08P | | 01-536U | | OAKLAND | New Well | Extraction | 31 |
| 02S03W | 08N-08P | | 316574 | | OAKLAND | Abandonment or destruction | Unused | 20 |
| 02S03W | 08N-08P | | 316543 | | OAKLAND | New Well | Monitoring | 22 |
| 02S03W | 08N-08P | | 391242 | | OAKLAND | New Well | Cathodic protection | 120 |
| 02S03W | 08N-08P | | 01-535V | | OAKLAND | New Well | Monitoring | 19 |
| 02S03W | 08N-08P | | 01-453D | | OAKLAND | New Well | | 26 |
| 02S03W | 08N-08P | | 01-453E | | OAKLAND | New Well | | 26 |
| 02S03W | 08N-08P | | 01-453F | | OAKLAND | New Well | | 26 |
| 02S03W | 08N-08P | | 01-453G | | OAKLAND | New Well | | 26 |
| 02S03W | 08N-08P | N | 01-436J | | OAKLAND | New Well | Monitoring | 20 |
| 02S03W | 08N-08P | N | 01-436K | | OAKLAND | New Well | Monitoring | 25 |
| 02S03W | 08N-08P | | 01-436L | | OAKLAND | New Well | Monitoring | 20 |
| 02S03W | 08N-08P | | 01-436M | | OAKLAND | New Well | Monitoring | 22 |
| 02S03W | 08N-08P | | 01-436R | | OAKLAND | New Well | Monitoring | 25 |
| 02S03W | 08N-08P | | 01-436P | | OAKLAND | New Well | Monitoring | 12 |
| 02S03W | 08N-08P | | 01-436Q | | OAKLAND | New Well | Monitoring | 27 |
| 02S03W | 08N-08P | | 318035A | | OAKLAND | New Well | | 15 |
| 02S03W | 08N-08P | | 318035B | | OAKLAND | New Well | | 15 |
| 02S03W | 08N-08P | | 318035C | | OAKLAND | New Well | | 15 |
| 02S03W | 08N-08P | | 318035D | | OAKLAND | New Well | | 15 |
| 02S03W | 08N-08P | | 318035E | | OAKLAND | New Well | | 15 |
| 02S03W | 08N-08P | | 318035F | | OAKLAND | New Well | | 15 |
| 02S03W | 08N-08P | | 318035G | | OAKLAND | New Well | | 15 |
| 02S03W | 08N-08P | | 01-436S | | OAKLAND | Test hole: soil sampling or exploration hole | Monitoring | 12 |
| 02S03W | 08N-08P | | 01-436T | | OAKLAND | Test hole: soil sampling or exploration hole | Monitoring | 12 |

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| 02S03W | 08N-08P | 01-436U | | OAKLAND | Test hole: soil sampling or exploration hole | Monitoring | 12 |
| 02S03W | 08N-08P | 01-436V | | OAKLAND | Test hole: soil sampling or exploration hole | Monitoring | 11 |
| 02S03W | 08N-08P | 01-436W | | OAKLAND | Test hole: soil sampling or exploration hole | Monitoring | 12 |
| 02S03W | 08N-08P | 01-436X | | OAKLAND | Test hole: soil sampling or exploration hole | Monitoring | 12 |
| 02S03W | 08N-08P | 01-436Y | | OAKLAND | Test hole: soil sampling or exploration hole | Monitoring | 12 |
| 02S03W | 08N-08P | 01-436Z | | OAKLAND | Test hole: soil sampling or exploration hole | Monitoring | 12 |
| 02S03W | 8 P | 01_4361 | | | | | |
| 02S03W | 08N-08P | 318051 | | OAKLAND | New Well | | 29 |
| 02S03W | 08N-08P | 318052 | | OAKLAND | New Well | | 36 |
| 02S03W | 08N-08P | 318053 | | OAKLAND | New Well | | 36 |
| 02S03W | 08N-08P | 318054 | | OAKLAND | New Well | | 36 |
| 02S03W | 08N-08P | 318055 | | OAKLAND | New Well | | 36 |
| 02S03W | 08N-08P | 318056 | | OAKLAND | New Well | | 36 |
| 02S03W | 08N-08P | 318058 | | OAKLAND | New Well | | 36 |
| 02S03W | 08N-08P | 318057 | | OAKLAND | New Well | | 36 |
| 02S03W | 08N-08P | 318031 | | OAKLAND | New Well | Monitoring | 33 |
| 02S03W | 08N-08P | 318032 | | OAKLAND | New Well | | 25 |
| 02S03W | 08N-08P | 318034 | | OAKLAND | New Well | | 15 |
| 02S03W | 08N-08P | 318033 | | OAKLAND | New Well | | 30 |
| 02S03W | 08N-08P | 318035 | | OAKLAND | New Well | | 15 |
| 02S03W | 08N-08P | 01-453A | | OAKLAND | New Well | | 26 |
| 02S03W | 08N-08P | 01-453B | | OAKLAND | New Well | | 26 |
| 02S03W | 08N-08P | 01-453C | | OAKLAND | New Well | | 26 |
| 02S03W | 08N-08P | 346810 | | OAKLAND | New Well | Monitoring | 19 |
| 02S03W | 08N-08P | 346811 | | OAKLAND | New Well | Monitoring | 18 |
| 02S03W | 08N-08P | 01-470M | | OAKLAND | Test hole: soil sampling or exploration hole | Monitoring | 14 |
| 02S03W | 08N-08P | 01-470N | | OAKLAND | Test hole: soil sampling or exploration hole | Monitoring | 14 |
| 02S03W | 08N-08P | 01-470P | | OAKLAND | Test hole: soil sampling or exploration hole | Monitoring | 14 |
| 02S03W | 08N-08P | 01-470Q | | OAKLAND | Test hole: soil sampling or exploration hole | Monitoring | 14 |
| 02S03W | 08N-08P | 01-470R | | OAKLAND | Test hole: soil sampling or exploration hole | Monitoring | 14 |
| 02S03W | 08N-08P | 01-470S | | OAKLAND | Test hole: soil sampling or exploration hole | Monitoring | 14 |
| 02S03W | 8 | 01-470T | | OAKLAND | Test hole: soil sampling or exploration hole | Monitoring | 14 |
| 02S03W | 08N-08P | 01-470U | | OAKLAND | Test hole: soil sampling or exploration hole | Monitoring | 14 |
| 02S03W | 08N-08P | 01-470V | | OAKLAND | Test hole: soil sampling or exploration hole | Monitoring | 14 |
| 02S03W | 08N-08P | 01-470W | | OAKLAND | Test hole: soil sampling or exploration hole | Monitoring | 14 |
| 02S03W | 8 | 01-142B | | OAKLAND | Backfilled dry hole | Geophysical exploration | 32 |
| 02S03W | 8 | 107006 | | | | | |
| 02S03W | 8 | 115705 | | | | | |
| 02S03W | 8 | 01-459Z | | OAKLAND | New Well | Monitoring | 35 |
| 02S03W | 8 | 01-468U | | OAKLAND | New Well | Monitoring | 35 |
| 02S03W | 8 | 01-485U | | OAKLAND | New Well | Monitoring | 27 |
| 02S03W | 8 | 01-488O | | OAKLAND | New Well | Monitoring | 27 |

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| 02S03W | 8 | 284601 | | OAKLAND | New Well | Monitoring | 30 |
| 02S03W | 8 | 111692 | | | | | |
| 02S03W | 8 | 403146A | | OAKLAND | New Well | Monitoring | 21 |
| 02S03W | 8 | 403146A-B | | OAKLAND | New Well | Monitoring | 21 |
| 02S03W | 8 | 403146B | | OAKLAND | New Well | Monitoring | 21 |
| 02S03W | 8 | 325107A | | OAKLAND | New Well | Monitoring | 31 |
| 02S03W | 8 | 325107B | | OAKLAND | New Well | Monitoring | 31 |
| 02S03W | 8 | 325107A-C | | OAKLAND | New Well | Monitoring | 31 |
| 02S03W | 8 | 325107 | | | | | |
| 02S03W | 8 | 325107C | | OAKLAND | New Well | Monitoring | 31 |
| 02S03W | 8 | 421866 | | OAKLAND | New Well | Monitoring | 27 |
| 02S03W | 8 | 400970 | | OAKLAND | Abandonment or destruction | Unused | 15 |
| 02S03W | 8 | 237649 499 HIGH ST | | OAKLAND | New Well | Industrial | 610 |
| 02S03W | 8 | 299116 | | OAKLAND | Abandonment or destruction | Unused | 300 |
| 02S03W | 8 | 01-274A | | OAKLAND | New Well | Monitoring | 41 |
| 02S03W | 8 | 01-274B | | OAKLAND | New Well | Monitoring | 41 |
| 02S03W | 8 | 01-274C | | OAKLAND | New Well | Monitoring | 41 |
| 02S03W | 8 | 01-274D | | OAKLAND | New Well | Monitoring | 41 |
| 02S03W | 8 | 01-274E | | OAKLAND | New Well | Monitoring | 41 |
| 02S03W | 8 | NN | | | | | |
| 02S03W | 8 | 305419 | | OAKLAND | New Well | Monitoring | 32 |
| 02S03W | 8 | 305421 | | OAKLAND | New Well | | 32 |
| 02S03W | 8 | 260461 | | OAKLAND | New Well | Monitoring | 34 |
| 02S03W | 8 | 260462 | | OAKLAND | New Well | Monitoring | 30 |
| 02S03W | 8 | 325515A | | OAKLAND | New Well | Monitoring | 47 |
| 02S03W | 8 | 325515B | | OAKLAND | New Well | Monitoring | 47 |
| 02S03W | 8 | 325515C | | OAKLAND | New Well | Monitoring | 47 |
| 02S03W | 8 | 362283 | | OAKLAND | New Well | Monitoring | 60 |
| 02S03W | 8 | 364602A | | OAKLAND | New Well | Monitoring | 51 |
| 02S03W | 8 | 364602B | | OAKLAND | New Well | Monitoring | 51 |
| 02S03W | 8 | 364602C | | OAKLAND | New Well | Monitoring | 51 |
| 02S03W | 8 | 413689 | | OAKLAND | New Well | Monitoring | 50 |
| 02S03W | 8 | 412874 | | OAKLAND | New Well | Monitoring | 46 |
| 02S03W | 8 | 412873 | | OAKLAND | New Well | Monitoring | 45 |
| 02S03W | 8 | 412872 | | OAKLAND | New Well | Monitoring | 47 |
| 02S03W | 8 | 412871 | | OAKLAND | New Well | Monitoring | 46 |
| 02S03W | 8 | 495626 | | OAKLAND | New Well | Monitoring | 22 |
| 02S03W | 8 | 495628 | | OAKLAND | New Well | Monitoring | 20 |
| 02S03W | 8 | 412875 | | OAKLAND | New Well | Monitoring | 47 |
| 02S03W | 8 | 495477A | | OAKLAND | New Well | Monitoring | 13 |
| 02S03W | 8 | 495477B | | OAKLAND | New Well | Monitoring | 13 |
| 02S03W | 8 | 495477C | | OAKLAND | New Well | Monitoring | 13 |

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| 02S03W | 8 | 579426 | | OAKLAND | New Well | Monitoring | 26 |
| 02S03W | 8 | 413648A | | OAKLAND | New Well | Monitoring | 50 |
| 02S03W | 8 | 413648B | | OAKLAND | New Well | Monitoring | 50 |
| 02S03W | 8 | 413648A-B | | OAKLAND | New Well | Monitoring | 50 |
| 02S03W | 8 | 01-542Y | | OAKLAND | New Well | Monitoring | 47 |
| 02S03W | 8 | 01-544Y-Z | | | | | |
| 02S03W | 8 | 01-544Z | | OAKLAND | New Well | Monitoring | 15 |
| 02S03W | 8 | 01-544Y | | OAKLAND | New Well | Monitoring | 8 |
| 02S03W | 8 | 01-422L | | OAKLAND | New Well | Monitoring | 27 |
| 02S03W | 8 | 257413 | | OAKLAND | New Well | Monitoring | 25 |
| 02S03W | 8 | 257414 | | OAKLAND | New Well | Monitoring | 27 |
| 02S03W | 8 | 257415 | | OAKLAND | New Well | Monitoring | 25 |
| 02S03W | 8 | 275741 | | | | | |
| 02S03W | 8 | 107435 | | OAKLAND | New Well | Monitoring | 236 |
| 02S03W | 8 | 209080 | | OAKLAND | New Well | Monitoring | 20 |
| 02S03W | 8 | 209082 | | OAKLAND | New Well | Monitoring | 25 |
| 02S03W | 8 | 209083 | | OAKLAND | New Well | Monitoring | 21 |
| 02S03W | 8 | 209084 | | OAKLAND | New Well | Monitoring | 21 |
| 02S03W | 8 | 209097 | | OAKLAND | New Well | Monitoring | 21 |
| 02S03W | 8 | 209078 | | OAKLAND | New Well | Monitoring | 86 |
| 02S03W | 8 | 209079 | | OAKLAND | New Well | Monitoring | 86 |
| 02S03W | 8 | 107436 | | OAKLAND | New Well | Monitoring | 244 |
| 02S03W | 8 | 209081 | | OAKLAND | New Well | Monitoring | 76 |
| 02S03W | 8 | 209099 | | OAKLAND | New Well | | 40 |
| 02S03W | 8 | 209098 | | OAKLAND | New Well | Monitoring | 76 |
| 02S03W | 8 | 210098A | | OAKLAND | Abandonment or destruction | Unused | 76 |
| 02S03W | 8 | 209100 | | OAKLAND | New Well | Monitoring | 86 |
| 02S03W | 8 | 01-002A | | OAKLAND | New Well | Monitoring | 31 |
| 02S03W | 8 | 01-002B | | OAKLAND | New Well | Monitoring | 31 |
| 02S03W | 8 | 01-002C | | OAKLAND | New Well | Monitoring | 31 |
| 02S03W | 8 | 01-002D | | OAKLAND | New Well | Monitoring | 31 |
| 02S03W | 8 | 01-002E | | OAKLAND | New Well | Monitoring | 31 |
| 02S03W | 8 | 01-002F | | OAKLAND | New Well | Monitoring | 31 |
| 02S03W | 8 | 01-002G | | OAKLAND | New Well | Monitoring | 31 |
| 02S03W | 8 | 01-224A-N | | OAKLAND | Abandonment or destruction | | |
| 02S03W | 8 | 01-226A-D | | OAKLAND | New Well | Monitoring | 12 |
| 02S03W | 8 | 01-226A | | OAKLAND | New Well | Monitoring | 12 |
| 02S03W | 8 | 01-226B | | OAKLAND | New Well | Monitoring | 12 |
| 02S03W | 8 | 01-226C | | OAKLAND | New Well | Monitoring | 12 |
| 02S03W | 8 | 01-226D | | OAKLAND | New Well | Monitoring | 12 |
| 02S03W | 8 | 01237A-G | | | | | |
| 02S03W | 8 | 01-237A-G | | OAKLAND | New Well | Monitoring | 55 |

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| 02S03W | 8 | 01-237A | | OAKLAND | New Well | Monitoring | 55 |
| 02S03W | 8 | 01-237B | | OAKLAND | New Well | Monitoring | 55 |
| 02S03W | 8 | 01-237C | | OAKLAND | New Well | Monitoring | 55 |
| 02S03W | 8 | 01-237D | | OAKLAND | New Well | Monitoring | 55 |
| 02S03W | 8 | 01-237G | | OAKLAND | New Well | Monitoring | 55 |
| 02S03W | 8 | 01-237F | | OAKLAND | New Well | Monitoring | 55 |
| 02S03W | 8 | 256936 | | OAKLAND | New Well | Monitoring | 36 |
| 02S03W | 8 | 256937 | | OAKLAND | New Well | Monitoring | 36 |
| 02S03W | 8 | 01-406P-Q | | | | | |
| 02S03W | 8 | 01-406P | | OAKLAND | New Well | Monitoring | 29 |
| 02S03W | 8 | 01-406Q | | | | | |
| 02S03W | 8 | 256930 | | OAKLAND | New Well | Monitoring | 36 |
| 02S03W | 8 | 256930-32 | | | | | |
| 02S03W | 8 | 256931 | | OAKLAND | New Well | Monitoring | 36 |
| 02S03W | 8 | 256932 | | OAKLAND | New Well | Monitoring | 36 |
| 02S03W | 8 | 256934 | | OAKLAND | New Well | Monitoring | 36 |
| 02S03W | 8 | 256935 | | OAKLAND | New Well | Monitoring | 36 |
| 02S03W | 8 | 818004 | | | | | |
| 02S03W | 8 | 01-346A-L | | OAKLAND | Test hole: soil sampling or exploration hole | Geophysical exploration | 17 |
| 02S03W | 8 | 01-346A | | OAKLAND | Test hole: soil sampling or exploration hole | Geophysical exploration | 17 |
| 02S03W | 8 | 01-346B | | OAKLAND | Test hole: soil sampling or exploration hole | Geophysical exploration | 17 |
| 02S03W | 8 | 01-346C | | OAKLAND | Test hole: soil sampling or exploration hole | Geophysical exploration | 17 |
| 02S03W | 8 | 01-346D | | OAKLAND | Test hole: soil sampling or exploration hole | Geophysical exploration | 17 |
| 02S03W | 8 | 01-346E | | OAKLAND | Test hole: soil sampling or exploration hole | Geophysical exploration | 17 |
| 02S03W | 8 | 01-346F | | OAKLAND | Test hole: soil sampling or exploration hole | Geophysical exploration | 17 |
| 02S03W | 8 | 01-346G | | OAKLAND | Test hole: soil sampling or exploration hole | Geophysical exploration | 17 |
| 02S03W | 8 | 01-346H | | OAKLAND | Test hole: soil sampling or exploration hole | Geophysical exploration | 17 |
| 02S03W | 8 | 01-346I | | OAKLAND | Test hole: soil sampling or exploration hole | Geophysical exploration | 17 |
| 02S03W | 8 | 01-346J | | OAKLAND | Test hole: soil sampling or exploration hole | Geophysical exploration | 12 |
| 02S03W | 8 | 01-346K | | OAKLAND | Test hole: soil sampling or exploration hole | Geophysical exploration | 12 |
| 02S03W | 8 | 01-346L | | OAKLAND | Test hole: soil sampling or exploration hole | Geophysical exploration | 12 |
| 02S03W | 8 | 01-223 | | OAKLAND | Test hole: soil sampling or exploration hole | | 37 |
| 02S03W | 7 | 01-4070U | | | | | |
| 02S03W | 7 | 01_4010 | | | | | |
| 02S03W | 07K-Q | 88131 | | | | | |
| 02S03W | 07K-Q | 01-401P | | ALAMEDA | New Well | Monitoring | 25 |
| 02S03W | 07K-Q | 01-401 | | | | | |
| 02S03W | 07K-Q | 01-401Q | | ALAMEDA | New Well | Monitoring | 25 |
| 02S03W | 07K-Q | 01-401R | | ALAMEDA | Test hole: soil sampling or exploration hole | Monitoring | 14 |
| 02S03W | 7 K | 01-401S-1 | | ALAMEDA | Test hole: soil sampling or exploration hole | Monitoring | 16 |
| 02S03W | 07K-Q | 01-401T | | ALAMEDA | Test hole: soil sampling or exploration hole | Monitoring | 12 |
| 02S03W | 7 | 01_4017 | | | | | |

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| 02S03W | 07K-Q | 01-401U | | ALAMEDA | Test hole: soil sampling or exploration hole | Monitoring | 13 |
| 02S03W | 7 | 01-473W | | OAKLAND | New Well | Monitoring | 17 |
| 02S03W | 07K-Q | 01-473W | | OAKLAND | New Well | Monitoring | 17 |
| 02S03W | 07K-Q | 01-473X | | OAKLAND | New Well | Monitoring | 17 |
| 02S03W | 07K-Q | 01-473Y | | OAKLAND | New Well | Monitoring | 19 |
| 02S03W | 7 | 01_1402 | | | | | |
| 02S03W | 07K-Q | 259951 | | | | | |
| 02S03W | 07K-Q | 259951A-D | | ALAMEDA | | | 75 |
| 02S03W | 07K-Q | 259951A | | ALAMEDA | | | 75 |
| 02S03W | 07K-Q | 259951B | | ALAMEDA | | | 75 |
| 02S03W | 07K-Q | 259951C | | ALAMEDA | | | 75 |
| 02S03W | 07K-Q | 259951D | | ALAMEDA | | | 75 |
| 02S03W | 07K-Q | 01-065 | | | | | |
| 02S03W | 07K-Q | 01-065A | | ALAMEDA | New Well | Monitoring | 19 |
| 02S03W | 07K-Q | 01-065B | | ALAMEDA | New Well | Monitoring | 19 |
| 02S03W | 07K-Q | 01-065C | | ALAMEDA | New Well | Monitoring | 19 |
| 02S03W | 07K-Q | 01-065D | | ALAMEDA | New Well | Monitoring | 19 |
| 02S03W | 07K-Q | 01-065E | | ALAMEDA | New Well | Monitoring | 19 |
| 02S03W | 7 | 01_1419 | | | | | |
| 02S03W | 07K-Q | 259811 | | ALAMEDA | New Well | Monitoring | 16 |
| 02S03W | 07K-Q | 259813 | | ALAMEDA | New Well | Monitoring | 16 |
| 02S03W | 07K-Q | 259822 | | ALAMEDA | New Well | Monitoring | 22 |
| 02S03W | 07K-Q | 291963 | | ALAMEDA | New Well | Monitoring | 21 |
| 02S03W | 07K-Q | 291964 | | ALAMEDA | New Well | Monitoring | 21 |
| 02S03W | 07K-Q | 291965 | | ALAMEDA | New Well | Monitoring | 21 |
| 02S03W | 07K-Q | 309726 | | OAKLAND | New Well | Monitoring | 40 |
| 02S03W | 07K-Q | 254039 | | ALAMEDA | New Well | Monitoring | 14 |
| 02S03W | 07K-Q | 309620 | | ALAMEDA | New Well | Extraction | 40 |
| 02S03W | 07K-Q | 254040 | | ALAMEDA | New Well | Monitoring | 13 |
| 02S03W | 07K-Q | 309619 | | ALAMEDA | New Well | Extraction | 40 |
| 02S03W | 07K-Q | 309621 | | ALAMEDA | New Well | Extraction | 41 |
| 02S03W | 07K-Q | 309622 | | ALAMEDA | New Well | Extraction | 41 |
| 02S03W | 07K-Q | 309623 | | ALAMEDA | New Well | Extraction | 41 |
| 02S03W | 07K-Q | 374319 | | ALAMEDA | New Well | Monitoring | 20 |
| 02S03W | 07K-Q | 32163 | | | | | |
| 02S03W | 07K-Q | 32164 | | | | | |
| 02S03W | 07K-Q | 01-424R | | ALAMEDA | New Well | Monitoring | 22 |
| 02S03W | 07K-Q | 01-424T | | ALAMEDA | New Well | Monitoring | 22 |
| 02S03W | 07K-Q | 01-424S | | ALAMEDA | New Well | Monitoring | 17 |
| 02S03W | 07K-Q | 01-532S | | OAKLAND | New Well | Monitoring | 15 |
| 02S03W | 07K-Q | 01-144A | | ALAMEDA | New Well | Monitoring | 23 |
| 02S03W | 07K-Q | 01-144C | | ALAMEDA | New Well | Monitoring | 23 |

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| 02S03W | 07K-Q | 01-144B | | ALAMEDA | New Well | Monitoring | 23 |
| 02S03W | 07K-Q | 01-345A | | ALAMEDA | New Well | Monitoring | 25 |
| 02S03W | 07K-Q | 01-345B | | ALAMEDA | New Well | Monitoring | 25 |
| 02S03W | 07K-Q | 01-345C | | ALAMEDA | New Well | Monitoring | 25 |
| 02S03W | 07K-Q | 280337A | | ALAMEDA | New Well | Monitoring | 25 |
| 02S03W | 07K-Q | 280337B | | ALAMEDA | New Well | Monitoring | 25 |
| 02S03W | 07K-Q | 280337C | | ALAMEDA | New Well | Monitoring | 25 |
| 02S03W | 07K-Q | 280342A | | ALAMEDA | New Well | Monitoring | 25 |
| 02S03W | 07K-Q | 280342B | | ALAMEDA | New Well | Monitoring | 25 |
| 02S03W | 07K-Q | 280342C | | ALAMEDA | New Well | Monitoring | 25 |
| 02S03W | 07K-Q | 01-460W | | ALAMEDA | New Well | Monitoring | 15 |
| 02S03W | 07K-Q | 01-460X | | ALAMEDA | New Well | Monitoring | 15 |
| 02S03W | 07K-Q | 01-460Y | | ALAMEDA | New Well | Monitoring | 15 |
| 02S03W | 7 | 01-460W | | ALAMEDA | New Well | Monitoring | 15 |
| 02S03W | 07K-Q | 01-460Z | | ALAMEDA | New Well | Monitoring | 15 |
| 02S03W | 07K-Q | 01-495A | | ALAMEDA | New Well | Monitoring | 22 |
| 02S03W | 07K-Q | 01-495B | | ALAMEDA | New Well | Monitoring | 22 |
| 02S03W | 07K-Q | 01-495C | | ALAMEDA | New Well | Monitoring | 22 |
| 02S03W | 07K-Q | 1/1/4950 | | | | | |
| 02S03W | 07K-Q | 429649A-B | | ALAMEDA | New Well | Monitoring | 21 |
| 02S03W | 07K-Q | 429642 | | ALAMEDA | New Well | Monitoring | 20 |
| 02S03W | 07K-Q | 01-510Q | | ALAMEDA | New Well | Monitoring | 20 |
| 02S03W | 07K-Q | 01-510R | | ALAMEDA | Test hole: soil sampling or exploration hole | Monitoring | 10 |
| 02S03W | 07K-Q | 01-510S | | ALAMEDA | Test hole: soil sampling or exploration hole | Monitoring | 10 |
| 02S03W | 07K-Q | 491955A | | ALAMEDA | New Well | Monitoring | 25 |
| 02S03W | 07K-Q | 491955B | | ALAMEDA | New Well | Monitoring | 25 |
| 02S03W | 07K-Q | 491955 | | | | | |
| 02S03W | 07K-Q | 491955C | | ALAMEDA | New Well | Monitoring | 25 |
| 02S03W | 07K-Q | 491955A-C | | ALAMEDA | New Well | Monitoring | 25 |
| 02S03W | 07K-Q | 429649B | | ALAMEDA | New Well | Monitoring | 21 |
| 02S03W | 07K-Q | 429649A | | ALAMEDA | New Well | Monitoring | 21 |
| 02S03W | 07K-Q | 433079 | | ALAMEDA | New Well | Extraction | 30 |
| 02S03W | 07K-Q | 491969D | | ALAMEDA | New Well | Monitoring | 25 |
| 02S03W | 07K-Q | 44-1767 | | | | | |
| 02S03W | 07K-Q | 491969A-D | | ALAMEDA | New Well | Monitoring | 25 |
| 02S03W | 07K-Q | 491969A | | ALAMEDA | New Well | Monitoring | 25 |
| 02S03W | 07K-Q | 491969B | | ALAMEDA | New Well | Monitoring | 25 |
| 02S03W | 07K-Q | 491969C | | ALAMEDA | New Well | Monitoring | 25 |
| 02S03W | 07K-Q | 01-511 | | ALAMEDA | Test hole: soil sampling or exploration hole | Monitoring | 10 |
| 02S03W | 07K-Q | 01-511A | | ALAMEDA | Test hole: soil sampling or exploration hole | Monitoring | 10 |
| 02S03W | 07K-Q | 01-511C | | ALAMEDA | Test hole: soil sampling or exploration hole | Monitoring | 10 |
| 02S03W | 07K-Q | 01-511D | | ALAMEDA | Test hole: soil sampling or exploration hole | Monitoring | 10 |

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| 02S03W | 07K-Q | 01-511E | | ALAMEDA | Test hole: soil sampling or exploration hole | Monitoring | 10 |
| 02S03W | 07K-Q | 01-511F | | ALAMEDA | Test hole: soil sampling or exploration hole | Monitoring | 10 |
| 02S03W | 07K-Q | 01-511I | | ALAMEDA | Test hole: soil sampling or exploration hole | Monitoring | 10 |
| 02S03W | 07K-Q | 01-511K | | ALAMEDA | Test hole: soil sampling or exploration hole | Monitoring | 20 |
| 02S03W | 07K-Q | 01-511L | | ALAMEDA | Test hole: soil sampling or exploration hole | Monitoring | 20 |
| 02S03W | 07K-Q | 01-510T | | ALAMEDA | Test hole: soil sampling or exploration hole | Monitoring | 10 |
| 02S03W | 07K-Q | 01-510U | | ALAMEDA | Test hole: soil sampling or exploration hole | Monitoring | 10 |
| 02S03W | 07K-Q | 01-510V | | ALAMEDA | Test hole: soil sampling or exploration hole | Monitoring | 10 |
| 02S03W | 07K-Q | 01-510W | | ALAMEDA | Test hole: soil sampling or exploration hole | Monitoring | 10 |
| 02S03W | 07K-Q | 01-510X | | ALAMEDA | Test hole: soil sampling or exploration hole | Monitoring | 10 |
| 02S03W | 07K-Q | 01-510Y | | ALAMEDA | Test hole: soil sampling or exploration hole | Monitoring | 10 |
| 02S03W | 07K-Q | 01-510Z | | ALAMEDA | Test hole: soil sampling or exploration hole | Monitoring | 10 |
| 02S03W | 07K-Q | 01-461A | | ALAMEDA | Test hole: soil sampling or exploration hole | Monitoring | 42 |
| 02S03W | 7 | 01-461A | | ALAMEDA | Test hole: soil sampling or exploration hole | Monitoring | 42 |
| 02S03W | 07K-Q | 01-461B | | ALAMEDA | Test hole: soil sampling or exploration hole | Monitoring | 42 |
| 02S03W | 07K-Q | 01-461C | | ALAMEDA | Test hole: soil sampling or exploration hole | Monitoring | 42 |
| 02S03W | 07K-Q | 01-461D | | ALAMEDA | Test hole: soil sampling or exploration hole | Monitoring | 42 |
| 02S03W | 07K-Q | 01-461E | | ALAMEDA | Test hole: soil sampling or exploration hole | Monitoring | 42 |
| 02S03W | 07K-Q | 01-511B | | ALAMEDA | Test hole: soil sampling or exploration hole | Monitoring | 10 |
| 02S03W | 07K-Q | 01-511G | | ALAMEDA | Test hole: soil sampling or exploration hole | Monitoring | 10 |
| 02S03W | 07K-Q | 01-511H | | ALAMEDA | Test hole: soil sampling or exploration hole | Monitoring | 10 |
| 02S03W | 07K-Q | 01-511J | | ALAMEDA | New Well | Monitoring | 20 |
| 02S03W | 07K-Q | 140349 | | | | | |
| 02S03W | 07K-Q | 107191 | | | | | |
| 02S03W | 07K-Q | 32158 | | | | | |
| 02S03W | 07K-Q | 96474 | | ALAMEDA | New Well | Cathodic protection | 76 |
| 02S03W | 07K-Q | 01-036 | | ALAMEDA | | | |
| 02S03W | 07K-Q | 01-069 | | ALAMEDA | New Well | Monitoring | 35 |
| 02S03W | 07K-Q | 01-035 | | ALAMEDA | | | |
| 02S03W | 07K-Q | 01-034 | | ALAMEDA | | | |
| 02S03W | 07K-Q | 01-037AB | | ALAMEDA | | | |
| 02S03W | 07K-Q | 01-401V | | ALAMEDA | New Well | Irrigation | 60 |
| 02S03W | 7 | 01_1408 | | | | | |
| 02S03W | 7 | 01_1416 | | | | | |
| 02S03W | 17 | 01-423G | | OAKLAND | Test hole: soil sampling or exploration hole | Monitoring | 25 |
| 02S03W | 17 | 01-423H | | OAKLAND | Test hole: soil sampling or exploration hole | Monitoring | 25 |
| 02S03W | 17 | 01-423I | | OAKLAND | Test hole: soil sampling or exploration hole | Monitoring | 25 |
| 02S03W | 17 | 01-423J | | OAKLAND | New Well | Monitoring | 8 |
| 02S03W | 17 | 197036 | | OAKLAND | New Well | Cathodic protection | 65 |
| 02S03W | 17 | 01-479A | | OAKLAND | New Well | Monitoring | 28 |
| 02S03W | 17 | 01-479B | | OAKLAND | New Well | Monitoring | 28 |
| 02S03W | 17 | 01-479C | | OAKLAND | New Well | Monitoring | 28 |

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| 02S03W | 17 | 01-479D | | OAKLAND | New Well | Monitoring | 28 |
| 02S03W | 17 | 01-479E | | OAKLAND | New Well | Monitoring | 28 |
| 02S03W | 17 | 01-479F | | OAKLAND | New Well | Monitoring | 28 |
| 02S03W | 17 | 01-479G | | OAKLAND | New Well | Monitoring | 28 |
| 02S03W | 17 | 01-479H | | OAKLAND | New Well | Monitoring | 28 |
| 02S03W | 17 | 362884 | | | | | |
| 02S03W | 17 | 315345 | | OAKLAND | New Well | Monitoring | 17 |
| 02S03W | 17 | 362184 | | OAKLAND | New Well | Monitoring | 21 |
| 02S03W | 17 | 362185 | | OAKLAND | New Well | Monitoring | 16 |
| 02S03W | 17 | 362186 | | OAKLAND | New Well | Monitoring | 16 |
| 02S03W | 17 | 362189 | | OAKLAND | New Well | Monitoring | 21 |
| 02S03W | 17 | 362190 | | OAKLAND | New Well | Monitoring | 24 |
| 02S03W | 17 | 107248 | | OAKLAND | New Well | Monitoring | 21 |
| 02S03W | 17 | 107249 | | OAKLAND | New Well | Monitoring | 25 |
| 02S03W | 17 | 01-541Z | | OAKLAND | Abandonment or destruction | Unused | 19 |
| 02S03W | 17 | 428879 | | OAKLAND | New Well | Monitoring | 18 |
| 02S03W | 17 | 01-531 | | | | | |
| 02S03W | 17 | 01-531Q | | OAKLAND | New Well | Monitoring | 27 |
| 02S03W | 17 | 01-531R | | OAKLAND | New Well | Monitoring | 22 |
| 02S03W | 17 | 01-531S | | OAKLAND | New Well | Monitoring | 22 |
| 02S03W | 17 | 01-531T | | OAKLAND | New Well | Monitoring | 22 |
| 02S03W | 17 | 01-279B | | OAKLAND | New Well | Monitoring | 8 |
| 02S03W | 17 | 01-279A | | OAKLAND | New Well | Monitoring | 8 |
| 02S03W | 17 | 01-279C | | OAKLAND | New Well | Monitoring | 8 |
| 02S03W | 17 | 281048 | | OAKLAND | New Well | Monitoring | 11 |
| 02S03W | 17 | 281049 | | OAKLAND | New Well | Monitoring | 15 |
| 02S03W | 17 | 281050 | | OAKLAND | New Well | Monitoring | 15 |
| 02S03W | 17 | 585399 | | OAKLAND | New Well | Monitoring | 21 |
| 02S03W | 17 | 01-204A | | | | | |
| 02S03W | 17 | 01-204B | | | | | |
| 02S03W | 17 | 303276 | | UNION CITY | New Well | Monitoring | 9 |
| 02S03W | 17 | 303286 | | UNION CITY | Abandonment or destruction | Unused | 6 |
| 02S03W | 17 | 303279 | | UNION CITY | New Well | Monitoring | 12 |
| 02S03W | 17 | 303287 | | UNION CITY | Abandonment or destruction | Unused | 10 |
| 02S03W | 17 | 303280 | | UNION CITY | New Well | Monitoring | 8 |
| 02S03W | 17 | 303288 | | UNION CITY | Abandonment or destruction | Unused | 6 |
| 02S03W | 17 | 303281 | | UNION CITY | New Well | Monitoring | 8 |
| 02S03W | 17 | 303289 | | UNION CITY | Abandonment or destruction | Unused | 7 |
| 02S03W | 17 | 303282 | | UNION CITY | New Well | Monitoring | 5 |
| 02S03W | 17 | 303290 | | UNION CITY | Abandonment or destruction | Unused | 5 |
| 02S03W | 17 | 303278 | | UNION CITY | New Well | Monitoring | 6 |
| 02S03W | 17 | 303291 | | UNION CITY | Abandonment or destruction | Unused | 5 |

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| 02S03W | 17 | 316537 | | OAKLAND | New Well | Monitoring | 29 |
| 02S03W | 17 | 396088 | | OAKLAND | New Well | Monitoring | 13 |
| 02S03W | 17 | 01-1351 | | | | | |
| 02S03W | 17 | 01-480A | | OAKLAND | Test hole: soil sampling or exploration hole | Monitoring | 13 |
| 02S03W | 17 | 01-480B | | OAKLAND | Test hole: soil sampling or exploration hole | Monitoring | 13 |
| 02S03W | 17 | 01-480C | | OAKLAND | Test hole: soil sampling or exploration hole | Monitoring | 13 |
| 02S03W | 17 | 01-480D | | OAKLAND | Test hole: soil sampling or exploration hole | Monitoring | 13 |
| 02S03W | 17 | 01-480E | | OAKLAND | Test hole: soil sampling or exploration hole | Monitoring | 13 |
| 02S03W | 17 | 01-480F | | OAKLAND | Test hole: soil sampling or exploration hole | Monitoring | 13 |
| 02S03W | 17 | 01-480G | | OAKLAND | Test hole: soil sampling or exploration hole | Monitoring | 13 |
| 02S03W | 17 | 01-480H | | OAKLAND | Test hole: soil sampling or exploration hole | Monitoring | 13 |
| 02S03W | 17 | 01-480I | | OAKLAND | Test hole: soil sampling or exploration hole | Monitoring | 13 |
| 02S03W | 17 | 01-480J | | OAKLAND | Test hole: soil sampling or exploration hole | Monitoring | 12 |
| 02S03W | 17 | 01-480K | | OAKLAND | Test hole: soil sampling or exploration hole | Monitoring | 7 |
| 02S03W | 17 | 346011A | | OAKLAND | New Well | Monitoring | 27 |
| 02S03W | 17 | 346011B | | OAKLAND | New Well | Monitoring | 27 |
| 02S03W | 17 | 346011C | | OAKLAND | New Well | Monitoring | 27 |
| 02S03W | 17 | 346011D | | OAKLAND | New Well | Monitoring | 27 |
| 02S03W | 17 | 366031 | | OAKLAND | New Well | Monitoring | 37 |
| 02S03W | 17 | 3663031-33 | | | | | |
| 02S03W | 17 | 366032 | | OAKLAND | New Well | Monitoring | 30 |
| 02S03W | 17 | 366033 | | OAKLAND | New Well | Monitoring | 37 |
| 02S03W | 17 | 346009 | | OAKLAND | New Well | Monitoring | 24 |
| 02S03W | 17 | NN | | | | | |
| 02S03W | 17 | 346010 | | OAKLAND | New Well | Monitoring | 24 |
| 02S03W | 17 | 346011 | | OAKLAND | New Well | Monitoring | 27 |
| 02S03W | 17 | 346024 | | OAKLAND | New Well | Monitoring | 20 |
| 02S03W | 17 | 346022 | | OAKLAND | New Well | Monitoring | 20 |
| 02S03W | 17 | 364022-25 | | | | | |
| 02S03W | 17 H | 364024 | | | | | |
| 02S03W | 17 | 346025 | | OAKLAND | New Well | Monitoring | 20 |
| 02S03W | 17 | 483502 | | OAKLAND | New Well | Monitoring | 20 |
| 02S03W | 17 | 483549 | | OAKLAND | New Well | Monitoring | 25 |
| 02S03W | 17 | 374331 | | OAKLAND | New Well | Monitoring | 15 |
| 02S03W | 17 | 374332 | | OAKLAND | New Well | Monitoring | 15 |
| 02S03W | 17 | 374333 | | OAKLAND | New Well | Monitoring | 15 |
| 02S03W | 17 | 366043A | | OAKLAND | New Well | Monitoring | 37 |
| 02S03W | 17 | 366043B | | OAKLAND | New Well | Monitoring | 37 |
| 02S03W | 17 | 168016 | | OAKLAND | New Well | Monitoring | 30 |
| 02S03W | 17 | 87248 | | | | | |
| 02S03W | 17 | 257421 | | OAKLAND | New Well | Monitoring | 25 |
| 02S03W | 17 | 01-418M | | OAKLAND | New Well | Monitoring | 22 |

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| 02S03W | 17 | 01-418N | | OAKLAND | New Well | Monitoring | 21 |
| 02S03W | 17 | 01-418O | | OAKLAND | Test hole: soil sampling or exploration hole | Monitoring | 17 |
| 02S03W | 17 | 01-418P | | OAKLAND | Test hole: soil sampling or exploration hole | Monitoring | 17 |
| 02S03W | 17 | 01-418Q | | OAKLAND | Test hole: soil sampling or exploration hole | Monitoring | 12 |
| 02S03W | 17 | 01-418R | | OAKLAND | Test hole: soil sampling or exploration hole | Monitoring | 12 |
| 02S03W | 17 | 257418 | | OAKLAND | New Well | Monitoring | 20 |
| 02S03W | 17 | 01-443I | | OAKLAND | New Well | Monitoring | 17 |
| 02S03W | 17 | 01-1353 | | | | | |
| 02S03W | 17 | 01-1352 | | | | | |
| 02S03W | 17 | 01-1354 | | | | | |
| 02S03W | 17 | 01-1355 | | | | | |
| 02S03W | 18 | 261762 | | ALAMEDA | New Well | Extraction | 100 |
| 02S03W | 18 | 01-179A | | ALAMEDA | New Well | Monitoring | 23 |
| 02S03W | 18 | 01-179 | | | | | |
| 02S03W | 18 | 01-179B | | ALAMEDA | New Well | Monitoring | 23 |
| 02S03W | 18 | 01-179C | | ALAMEDA | New Well | Monitoring | 23 |
| 02S03W | 18 | 01-526A | | ALAMEDA | New Well | Monitoring | 17 |
| 02S03W | 18 | 01-526D | | ALAMEDA | New Well | Monitoring | 17 |
| 02S03W | 18 | 01-526B | | ALAMEDA | New Well | Monitoring | 17 |
| 02S03W | 18 | 01-526C | | ALAMEDA | New Well | Monitoring | 17 |
| 02S03W | 18 | 01-526F | | ALAMEDA | New Well | Monitoring | 17 |
| 02S03W | 18 | 32894A | 2978 NORTHWOOD DR | ALAMEDA | New Well | Irrigation | 55 |
| 02S03W | 18 | 106040 | 2936 GIBBONS DR | | New Well | Irrigation | 40 |
| 02S03W | 18 | 01-428Z | | ALAMEDA | Reconstruction or reconditioning | | 49 |
| 02S03W | 18 | 32592 | 2518 CHESTER ST | ALAMEDA | New Well | Irrigation | 20 |
| 02S03W | 18 | 01-145 | | ALAMEDA | New Well | Monitoring | 23 |
| 02S03W | 18 | 429463 | | ALAMEDA | New Well | Monitoring | 13 |
| 02S03W | 18 | 429464 | | ALAMEDA | New Well | Monitoring | 12 |
| 02S03W | 18 | 429470 | | ALAMEDA | New Well | Monitoring | 13 |
| 02S03W | 18 | 429465 | | ALAMEDA | New Well | Monitoring | 30 |
| 02S03W | 18 | 429466 | | ALAMEDA | New Well | Monitoring | 30 |
| 02S03W | 18 | 429468 | | ALAMEDA | New Well | Monitoring | 30 |
| 02S03W | 18 | 429467 | | ALAMEDA | New Well | Monitoring | 30 |
| 02S03W | 18 | 429469 | | ALAMEDA | New Well | Monitoring | 30 |
| 02S03W | 18 | 423782 | | ALAMEDA | New Well | Monitoring | 13 |
| 02S03W | 18 | 423783 | | ALAMEDA | New Well | Monitoring | 13 |
| 02S03W | 18 | 423784 | | ALAMEDA | New Well | Monitoring | 13 |
| 02S03W | 18 | 423785 | | ALAMEDA | New Well | Monitoring | 13 |
| 02S03W | 18 | 579405 | | ALAMEDA | New Well | Monitoring | 35 |
| 02S03W | 18 | 579406 | | ALAMEDA | New Well | Monitoring | 30 |
| 02S03W | 18 | 01-532T | | ALAMEDA | New Well | Monitoring | 25 |
| 02S03W | 18 | 01-545M | | ALAMEDA | New Well | Monitoring | 25 |

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| 02S03W | 18 | 01-545N | | ALAMEDA | New Well | Monitoring | 25 |
| 02S03W | 18 | 01-545O | | ALAMEDA | New Well | Monitoring | 25 |
| 02S03W | 18 | 106210 | 2806 VAN BUREN ST | ALAMEDA | New Well | Unknown | 20 |
| 02S03W | 18 | 156842 | 3252 GARFIELD | ALAMEDA | New Well | Cathodic protection | 120 |
| 02S03W | 18 | 32800 | 1522 EASTSHORE DR | ALAMEDA | New Well | Unknown | 17 |
| 02S03W | 18 | 01-443J | | OAKLAND | New Well | Monitoring | 17 |
| 02S03W | 18 | 01-443K | | OAKLAND | New Well | Monitoring | 17 |
| 02S03W | 18 | 01-443L | | OAKLAND | New Well | Monitoring | 16 |
| 02S03W | 18 | 01-401Z | | ALAMEDA | New Well | | |
| 02S03W | 18 | 316204 | | SAN LEANDRO | New Well | | 26 |
| 02S03W | 18 | 316201 | | SAN LEANDRO | New Well | Monitoring | 26 |
| 02S03W | 18 | 316202 | | SAN LEANDRO | New Well | Monitoring | 26 |
| 02S03W | 18 | 316203 | | SAN LEANDRO | New Well | Monitoring | 26 |
| 02S03W | 18 | 260214 | | SAN LEANDRO | New Well | Monitoring | 26 |
| 02S03W | 18 | 106649 | | ALAMEDA | Abandonment or destruction | | |
| 02S03W | 18 | 32072 | 2812 OTIS DR | | New Well | Irrigation | 40 |
| 02S03W | 18 | 32083 | 1033 POST ST | ALAMEDA | New Well | Irrigation | 50 |
| 02S03W | 8 | 01-178 | | OAKLAND | New Well | Monitoring | 25 |
| 02S03W | 8 | 01-136A | | OAKLAND | Backfilled dry hole | Geophysical exploration | 30 |
| 02S03W | 8 | 01-136B | | OAKLAND | Backfilled dry hole | Geophysical exploration | 30 |
| 02S03W | 8 | 256937A-D | | OAKLAND | New Well | Monitoring | 36 |
| 02S03W | 8 | 256937A | | OAKLAND | New Well | Monitoring | 36 |
| 02S03W | 8 | 256937B | | OAKLAND | New Well | Monitoring | 36 |
| 02S03W | 8 | 256937C | | OAKLAND | New Well | Monitoring | 36 |
| 02S03W | 8 | 256937D | | OAKLAND | New Well | Monitoring | 36 |
| 02S03W | 8 | 01-450L | | OAKLAND | Test hole: soil sampling or exploration hole | Monitoring | 16 |
| 02S03W | 8 | 01-450M | | OAKLAND | Test hole: soil sampling or exploration hole | Monitoring | 18 |
| 02S03W | 8 | 01-450N | | OAKLAND | Test hole: soil sampling or exploration hole | Monitoring | 7 |
| 02S03W | 8 | 01-450L-O | | | | | |
| 02S03W | 8 | 01-450O | | OAKLAND | Test hole: soil sampling or exploration hole | Monitoring | 7 |
| 02S03W | 8 | 01-450G | | OAKLAND | New Well | Monitoring | 26 |
| 02S03W | 8 | 01-450H | | OAKLAND | New Well | Monitoring | 26 |
| 02S03W | 8 | 01-450I | | OAKLAND | New Well | Monitoring | 26 |
| 02S03W | 8 | 01-450J | | OAKLAND | New Well | Monitoring | 21 |
| 02S03W | 8 | 01-450K | | OAKLAND | New Well | Monitoring | 18 |
| 02S03W | 8 | 01-495D | | ALAMEDA | New Well | Monitoring | 22 |
| 02S03W | 8 | 01-495D-Z | | ALAMEDA | New Well | Monitoring | 22 |
| 02S03W | 8 | 01-495E | | ALAMEDA | New Well | Monitoring | 22 |
| 02S03W | 8 | 01-495F | | ALAMEDA | New Well | Monitoring | 22 |
| 02S03W | 8 | 01-495G | | ALAMEDA | New Well | Monitoring | 22 |
| 02S03W | 8 | 01-495H | | ALAMEDA | New Well | Monitoring | 22 |
| 02S03W | 8 | 01-495I | | ALAMEDA | New Well | Monitoring | 22 |

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CALIFORNIA DEPARTMENT OF WATER RESOURCES
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|--------|---|-----------|--|---------|--|------------|----|
| 02S03W | 8 | 01-495J | | OAKLAND | New Well | Monitoring | 19 |
| 02S03W | 8 | 01-495K | | OAKLAND | New Well | Monitoring | 19 |
| 02S03W | 8 | 01-495L | | OAKLAND | New Well | Monitoring | 24 |
| 02S03W | 8 | 01-495M | | OAKLAND | New Well | Monitoring | 18 |
| 02S03W | 8 | 01-495N | | OAKLAND | New Well | Monitoring | 19 |
| 02S03W | 8 | 01-495O | | OAKLAND | New Well | Monitoring | 18 |
| 02S03W | 8 | 01-495P | | OAKLAND | New Well | Monitoring | 19 |
| 02S03W | 8 | 01-495Q | | OAKLAND | Test hole: soil sampling or exploration hole | Monitoring | 19 |
| 02S03W | 8 | 01-495R | | OAKLAND | Test hole: soil sampling or exploration hole | Monitoring | 1 |
| 02S03W | 8 | 01-495S | | OAKLAND | Test hole: soil sampling or exploration hole | Monitoring | 4 |
| 02S03W | 8 | 01-495T | | OAKLAND | Test hole: soil sampling or exploration hole | Monitoring | 10 |
| 02S03W | 8 | 01-495U | | OAKLAND | Test hole: soil sampling or exploration hole | Monitoring | 9 |
| 02S03W | 8 | 01-495V | | OAKLAND | Test hole: soil sampling or exploration hole | Monitoring | 6 |
| 02S03W | 8 | 01-495W | | OAKLAND | Test hole: soil sampling or exploration hole | Monitoring | 10 |
| 02S03W | 8 | 01-495X | | OAKLAND | Test hole: soil sampling or exploration hole | Monitoring | 14 |
| 02S03W | 8 | 01-495Y | | OAKLAND | Test hole: soil sampling or exploration hole | Monitoring | 13 |
| 02S03W | 8 | 01-495Z | | OAKLAND | Test hole: soil sampling or exploration hole | Monitoring | 12 |
| 02S03W | 8 | 01-511M | | OAKLAND | New Well | Monitoring | 15 |
| 02S03W | 8 | 01-511M-R | | | | | |
| 02S03W | 8 | 01-511N | | OAKLAND | New Well | Monitoring | 19 |
| 02S03W | 8 | 01-511O | | OAKLAND | New Well | Monitoring | 18 |
| 02S03W | 8 | 01-511P | | OAKLAND | New Well | Monitoring | 18 |
| 02S03W | 8 | 01-511Q | | OAKLAND | New Well | Monitoring | 18 |
| 02S03W | 8 | 01-511R | | OAKLAND | Test hole: soil sampling or exploration hole | Monitoring | 10 |
| 02S03W | 8 | 01-531D | | OAKLAND | New Well | Monitoring | 23 |
| 02S03W | 8 | 01-531D-L | | OAKLAND | New Well | Monitoring | 23 |
| 02S03W | 8 | 05-531E | | | | | |
| 02S03W | 8 | 01-531F | | OAKLAND | New Well | Monitoring | 23 |
| 02S03W | 8 | 01-531G | | OAKLAND | New Well | Monitoring | 23 |
| 02S03W | 8 | 01-531H | | OAKLAND | New Well | Monitoring | 23 |
| 02S03W | 8 | 01-531I | | OAKLAND | New Well | Monitoring | 23 |
| 02S03W | 8 | 01-531J | | OAKLAND | Test hole: soil sampling or exploration hole | Monitoring | 10 |
| 02S03W | 8 | 01-531K | | OAKLAND | Test hole: soil sampling or exploration hole | Monitoring | 10 |
| 02S03W | 8 | 01-531L | | OAKLAND | Test hole: soil sampling or exploration hole | Monitoring | 10 |
| 02S03W | 8 | 01-452J | | OAKLAND | Test hole: soil sampling or exploration hole | Monitoring | 9 |
| 02S03W | 8 | 01-422M | | OAKLAND | Test hole: soil sampling or exploration hole | Monitoring | 22 |
| 02S03W | 8 | 01-422M-Z | | | | | |
| 02S03W | 8 | 01-423A-B | | OAKLAND | Test hole: soil sampling or exploration hole | Monitoring | 25 |
| 02S03W | 8 | 01-422N | | OAKLAND | Test hole: soil sampling or exploration hole | Monitoring | 21 |
| 02S03W | 8 | 01-422O | | OAKLAND | Test hole: soil sampling or exploration hole | Monitoring | 12 |
| 02S03W | 8 | 01-422P | | OAKLAND | Test hole: soil sampling or exploration hole | Monitoring | 19 |
| 02S03W | 8 | 01-422Q | | OAKLAND | Test hole: soil sampling or exploration hole | Monitoring | 22 |

WELL SURVEY
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|--------|-----|-----------|------------------------|---------|--|------------|----|
| 02S03W | 8 | 01-422R | | OAKLAND | Test hole: soil sampling or exploration hole | Monitoring | 21 |
| 02S03W | 8 | 01-422S | | OAKLAND | Test hole: soil sampling or exploration hole | Monitoring | 22 |
| 02S03W | 8 | 01-422T | | OAKLAND | Test hole: soil sampling or exploration hole | Monitoring | 20 |
| 02S03W | 8 | 01-422U | | OAKLAND | Test hole: soil sampling or exploration hole | Monitoring | 15 |
| 02S03W | 8 N | 01-422V-1 | | OAKLAND | Test hole: soil sampling or exploration hole | Monitoring | 15 |
| 02S03W | 8 | 01-422W | | OAKLAND | Test hole: soil sampling or exploration hole | Monitoring | 19 |
| 02S03W | 8 | 01-422X | | OAKLAND | Test hole: soil sampling or exploration hole | Monitoring | 5 |
| 02S03W | 8 | 01-422Y | | OAKLAND | Test hole: soil sampling or exploration hole | Monitoring | 20 |
| 02S03W | 8 | 01-422Z | | OAKLAND | Test hole: soil sampling or exploration hole | Monitoring | 17 |
| 02S03W | 8 | 01-423A | | OAKLAND | Test hole: soil sampling or exploration hole | Monitoring | 25 |
| 02S03W | 8 | 01-423B | | OAKLAND | Test hole: soil sampling or exploration hole | Monitoring | 25 |
| 02S03W | 8 | 01-446O | | OAKLAND | Test hole: soil sampling or exploration hole | Monitoring | 10 |
| 02S03W | 8 | 01-486N | | | | | |
| 02S03W | 8 | 01-436O | | OAKLAND | Test hole: soil sampling or exploration hole | Monitoring | 10 |
| 02S03W | 8 | 01-119E-H | | OAKLAND | New Well | Monitoring | 31 |
| 02S03W | 8 | NN | | | | | |
| 02S03W | 8 | 01-119A | | OAKLAND | New Well | Monitoring | 31 |
| 02S03W | 8 | 01-119B | | OAKLAND | New Well | Monitoring | 31 |
| 02S03W | 8 | NN | | | | | |
| 02S03W | 8 | 01-119C | | OAKLAND | New Well | Monitoring | 31 |
| 02S03W | 8 | NN | | | | | |
| 02S03W | 8 | 01-119D | | OAKLAND | New Well | Monitoring | 31 |
| 02S03W | 8 | NN | | | | | |
| 02S03W | 8 | 01-119E | | OAKLAND | New Well | Monitoring | 31 |
| 02S03W | 8 | NN | | | | | |
| 02S03W | 8 | 01-119F | | OAKLAND | New Well | Monitoring | 31 |
| 02S03W | 8 | NN | | | | | |
| 02S03W | 8 | 01-119G | | OAKLAND | New Well | Monitoring | 31 |
| 02S03W | 8 | NN | | | | | |
| 02S03W | 8 | 01-119H | | OAKLAND | New Well | Monitoring | 31 |
| 02S03W | 8 | NN | | | | | |
| 02S03W | 7 | 921288 | | | | | |
| 02S03W | 7 | 921289 | | | | | |
| 02S03W | 7 | 921290 | | | | | |
| 02S03W | 7 | 954038 | | | | | |
| 02S03W | 7 | 954039 | | | | | |
| 02S03W | 7 | 954040 | | | | | |
| 02S03W | 7 | 954041 | | | | | |
| 02S03W | 7 | E0089038 | 2301-2307 LINCOLN AVE. | ALAMEDA | New Well | Monitoring | 34 |
| 02S03W | 7 | E0089039 | 2301-2307 LINCOLN AVE. | ALAMEDA | New Well | Monitoring | 34 |
| 02S03W | 7 | E0089040 | 2301-2307 LINCOLN AVE. | ALAMEDA | New Well | Monitoring | 34 |
| 02S03W | 7 | E0089041 | 2301-2307 LINCOLN AVE. | ALAMEDA | New Well | Monitoring | 34 |

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|--------|---|-------------|-------------------------|---------|----------------------------|------------------|----|
| 02S03W | 7 | E0089042 | 2301-2307 LINCOLN AVE. | ALAMEDA | New Well | Monitoring | 34 |
| 02S03W | 7 | E0089043 | 2301-2307 LINCOLN AVE. | ALAMEDA | New Well | Vapor extraction | 5 |
| 02S03W | 7 | E0089044 | 2301-2307 LINCOLN AVE. | ALAMEDA | New Well | Vapor extraction | 5 |
| 02S03W | 7 | E0089045 | 2301-2307 LINCOLN AVE. | ALAMEDA | New Well | Vapor extraction | 5 |
| 02S03W | 7 | E0089046 | 2301-2307 LINCOLN AVE. | ALAMEDA | New Well | Vapor extraction | 5 |
| 02S03W | 7 | E0089047 | 2301-2307 LINCOLN AVE. | ALAMEDA | New Well | Vapor extraction | 5 |
| 02S03W | 7 | E0091692 | 2908 CHAPMAN ST | OAKLAND | New Well | Monitoring | 20 |
| 02S03W | 7 | E0091695 | 2904 CHAPMAN ST | OAKLAND | New Well | Monitoring | 20 |
| 02S03W | 7 | E0091703 | 2904 CHAPMAN ST | OAKLAND | New Well | Monitoring | 20 |
| 02S03W | 7 | E0091704 | 2904 CHAPMAN ST | OAKLAND | New Well | Monitoring | 20 |
| 02S03W | 7 | E0097863 | 2301-2311 BLANDING AVE. | ALAMEDA | New Well | Vapor extraction | 3 |
| 02S03W | 7 | E0097864 | 2301-2311 BLANDING AVE. | ALAMEDA | New Well | Vapor extraction | 3 |
| 02S03W | 7 | E0097865 | 2301-2311 BLANDING AVE. | ALAMEDA | New Well | Vapor extraction | 3 |
| 02S03W | 7 | E0097866 | 2301-2311 BLANDING AVE. | ALAMEDA | New Well | Vapor extraction | 3 |
| 02S03W | 7 | E0097867 | 2301-2311 BLANDING AVE. | ALAMEDA | New Well | Vapor extraction | 3 |
| 02S03W | 7 | E0097868 | 2301-2311 BLANDING AVE. | ALAMEDA | New Well | Vapor extraction | 3 |
| 02S03W | 7 | E0097869 | 2301-2311 BLANDING AVE. | ALAMEDA | New Well | Vapor extraction | 3 |
| 02S03W | 7 | E0112599 | 2744 EAST 11TH ST | OAKLAND | New Well | Monitoring | 18 |
| 02S03W | 7 | E0112604 | 2744 EAST 11TH ST | OAKLAND | New Well | Monitoring | 26 |
| 02S03W | 7 | E0112605 | 2744 EAST 11TH ST | OAKLAND | New Well | Monitoring | 25 |
| 02S03W | 7 | E0112606 | 2744 EAST 11TH ST | OAKLAND | New Well | Monitoring | 18 |
| 02S03W | 7 | E0112607 | 2744 EAST 11TH ST | OAKLAND | New Well | Monitoring | 15 |
| 02S03W | 7 | E0116460A-D | 1899 DENNISION ST. | OAKLAND | Abandonment or destruction | Unused | |
| 02S03W | 7 | E0132636 | 2301 2307 LINCOLN AVE. | ALAMEDA | Abandonment or destruction | Unused | |
| 02S03W | 8 | E0089394 | 4280 FOOTHILL BLVD. | OAKLAND | New Well | Monitoring | 30 |
| 02S03W | 8 | E0089397 | 4280 FOOTHILL BLVD. | OAKLAND | New Well | Monitoring | 30 |
| 02S03W | 8 | E0089400 | 4280 FOOTHILL BLVD. | OAKLAND | New Well | Monitoring | 30 |
| 02S03W | 8 | E0090612 | 833 47TH AVE. | OAKLAND | New Well | Monitoring | 30 |
| 02S03W | 8 | E0090613 | 833 47TH AVE. | OAKLAND | New Well | Monitoring | 30 |
| 02S03W | 8 | E0090614 | 833 47TH AVE. | OAKLAND | New Well | Other use | 35 |
| 02S03W | 8 | E0090616 | 833 47TH AVE. | OAKLAND | New Well | Other use | 32 |
| 02S03W | 8 | E0090617 | 833 47TH AVE. | OAKLAND | New Well | Vapor extraction | 8 |
| 02S03W | 8 | E0090618 | 833 47TH AVE. | OAKLAND | New Well | Test well | 30 |
| 02S03W | 8 | E0090619 | 833 47TH AVE. | OAKLAND | New Well | Test well | 8 |
| 02S03W | 8 | E0090620 | 833 47TH AVE. | OAKLAND | New Well | Test well | 30 |
| 02S03W | 8 | E0090621 | 833 47TH AVE. | OAKLAND | New Well | Test well | 8 |
| 02S03W | 8 | E0090622 | 833 47TH AVE. | OAKLAND | New Well | Test well | 30 |
| 02S03W | 8 | E0090623 | 833 47TH AVE. | OAKLAND | New Well | Test well | 8 |
| 02S03W | 8 | E0090624 | 833 47TH AVE. | OAKLAND | New Well | Test well | 35 |
| 02S03W | 8 | E0090625 | 833 47TH AVE. | OAKLAND | New Well | Test well | 8 |
| 02S03W | 8 | E0090626 | 833 47TH AVE. | OAKLAND | New Well | Test well | 35 |
| 02S03W | 8 | E0090627 | 833 47TH AVE. | OAKLAND | New Well | Test well | 8 |

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|--------|---|----------|-----------------------------|---------|----------------------------|------------------|----|
| 02S03W | 8 | E0090628 | 833 47TH AVE. | OAKLAND | New Well | Test well | 35 |
| 02S03W | 8 | E0090629 | 833 47TH AVE. | OAKLAND | New Well | Test well | 8 |
| 02S03W | 8 | E0090630 | 833 ATKINSON ST., SUITE 100 | OAKLAND | Abandonment or destruction | Unused | |
| 02S03W | 8 | E0090631 | 833 ATKINSON ST., SUITE 100 | OAKLAND | Abandonment or destruction | Unused | |
| 02S03W | 8 | E0090656 | 833 47TH AVE. | OAKLAND | New Well | Vapor extraction | 9 |
| 02S03W | 8 | E0091174 | 4411 FOOTHILL BLVD | OAKLAND | New Well | Extraction | 10 |
| 02S03W | 8 | E0091176 | 4411 FOOTHILL BLVD | OAKLAND | New Well | Extraction | 12 |
| 02S03W | 8 | E0099605 | 4301 SAN LEANDRO ST | OAKLAND | New Well | Vapor extraction | 23 |
| 02S03W | 8 | E0099606 | 4301 SAN LEANDRO ST | OAKLAND | New Well | Vapor extraction | 30 |
| 02S03W | 8 | E0099607 | 4301 SAN LEANDRO ST | OAKLAND | New Well | Vapor extraction | 30 |
| 02S03W | 8 | E0099608 | 4301 SAN LEANDRO ST | OAKLAND | New Well | Vapor extraction | 23 |
| 02S03W | 8 | E0099609 | 4301 SAN LEANDRO ST | OAKLAND | New Well | Vapor extraction | 30 |
| 02S03W | 8 | E0099610 | 4301 SAN LEANDRO ST | OAKLAND | New Well | Vapor extraction | 23 |
| 02S03W | 8 | E0099525 | 4301 SAN LEANDRO ST | OAKLAND | New Well | Vapor extraction | 23 |
| 02S03W | 8 | E0099557 | 4301 SAN LEANDRO ST | OAKLAND | New Well | Vapor extraction | 23 |
| 02S03W | 8 | E0099558 | 4301 SAN LEANDRO ST | OAKLAND | New Well | Vapor extraction | 23 |
| 02S03W | 8 | E0099559 | 4301 SAN LEANDRO ST | OAKLAND | New Well | Vapor extraction | 23 |
| 02S03W | 8 | E0099560 | 4301 SAN LEANDRO ST | OAKLAND | New Well | Vapor extraction | 23 |
| 02S03W | 8 | E0099561 | 4301 SAN LEANDRO ST | OAKLAND | New Well | Vapor extraction | 30 |
| 02S03W | 8 | E0107280 | 833 47TH AVE. | OAKLAND | New Well | Monitoring | 36 |
| 02S03W | 8 | E0107281 | 833 47TH AVE. | OAKLAND | New Well | Monitoring | 40 |
| 02S03W | 8 | E0107282 | 833 47TH AVE. | OAKLAND | New Well | Monitoring | 37 |
| 02S03W | 8 | E0107283 | 833 47TH AVE. | OAKLAND | New Well | Monitoring | 60 |
| 02S03W | 8 | E0107284 | 833 47TH AVE. | OAKLAND | New Well | Monitoring | 70 |
| 02S03W | 8 | E0107285 | 833 47TH AVE. | OAKLAND | New Well | Monitoring | 36 |
| 02S03W | 8 | E0107286 | 833 47TH AVE. | OAKLAND | New Well | Monitoring | 60 |
| 02S03W | 8 | E0107287 | 833 47TH AVE. | OAKLAND | New Well | Monitoring | 35 |
| 02S03W | 8 | E0107288 | 833 47TH AVE. | OAKLAND | New Well | Monitoring | 63 |
| 02S03W | 8 | E0107289 | 833 47TH AVE. | OAKLAND | New Well | Monitoring | 35 |
| 02S03W | 8 | E0107290 | 833 47TH AVE. | OAKLAND | New Well | Monitoring | 65 |
| 02S03W | 8 | E0121603 | 768 46TH AVE. | OAKLAND | New Well | Monitoring | 40 |
| 02S03W | 8 | E0121604 | 768 46TH AVE. | OAKLAND | New Well | Monitoring | 75 |
| 02S03W | 8 | E0121614 | 768 46TH AVE. | OAKLAND | New Well | Monitoring | 40 |

Well Legend

DOM=Domestic well

IRR=Irrigation well

MUN= Municipal well

IND=Industrial well

CAT=Cathodic well

DES=well destroyed (through permit)

ABN=Abandoned and not being used (but has not been destroyed through permit process)

TES=Test well

BOR= Geotechnical investigation

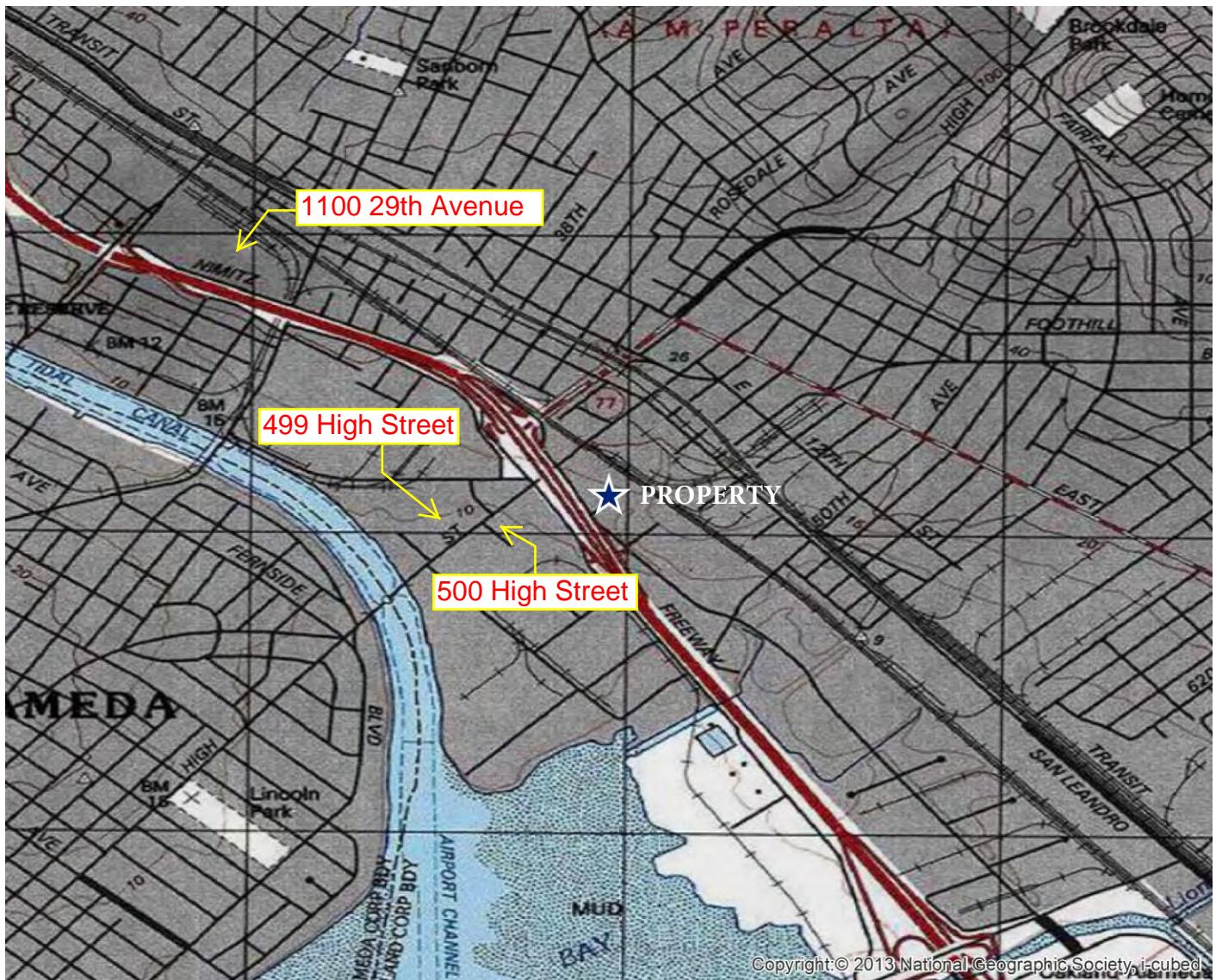
MON= Monitoring well

EXT=Extraction/ Vapor wells

PIE=Piezometers

REC=Recovery well (extraction/ vapor)

? = Unknown or no information found or given



WELL SURVEY LOCATION TOPOGRAPHIC MAP

U.S. Geological Survey. Oakland East Quadrangle, 7.5 Minute Series



729 45Th Ave,
Oakland, CA

FIGURE: 1