December 6, 2016

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

I, John Murray, hereby authorize ERAS Environmental, Inc. to submit the Vapor Mitigation and Remedial Excavation for 3037-3115 Adeline Street in Oakland, California, dated December 5, 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:

Printed Name: John Murray

Mr. John Murray
John Murray Productions
510.594.2080 x 16
johnm@johnmurray.com

ERAS Environmental, Inc.

1533 B Street
Hayward, CA 94541

(510) 247-9885 Facsimile: (510) 886-5399 info@eras.biz

December 5, 2016

Mr. John Murray
John Murray Productions
1196 32nd Street
Oakland, CA 94608

Subject: Vapor Mitigation System Installation and Remedial Excavation
3037-3115 Adeline Street, Oakland, California
ERAS Project Number 14-002

Dear Mr. Murray,

ERAS Environmental, Inc. (ERAS) is pleased to present the results of the vapor mitigation system (VMS) installation and remedial excavation at 3037-3115 Adeline Street in Oakland, California (the "Property"). The work also included soil confirmation sampling, sub-slab and VMS system vapor sampling, profile sampling of waste soil and its disposal.

The proposed work was summarized in (a) the Vapor Mitigation Basis of Design Report by Sustainable Technologies dated February 5, 2016; and (b) the Addendum to Workplan for Limited Subsurface Phase II Subsurface Investigation by ERAS dated July 26, 2016. The work was conditionally approved in a letter dated August 4, 2016 from Mr. Mark Detterman of the Alameda County Health Care Services Agency (ACHCSA) included as **Attachment C**.

The VMS was installed in response to concentrations of methane above the lower explosive limit (LEL) that were detected in soil vapor sample VP-1. This boring was drilled by SVC Environmental on October 23, 2015 and was located within approximately 3 feet of the edge of the building.

The location of the Property is shown on **Figure 1** and the boring locations are shown on **Figure 2** included as **Attachment A**.

BACKGROUND

Phase 1 and Phase 2 investigations have been performed on the Property.

Phase 1 Investigation

A Phase 1 Environmental Site Assessment (ESA) was conducted by Rincon Associates, Inc. (Rincon) and the results were presented in a report dated November 15, 2013. Rincon identified the

following information for the Property.

- A bronze foundry operated at part of the Property (3037 and 3101 Adeline Street) from at least 1928 to 1963.

- Machine shops operated at 3101 and 3115 Adeline Street from at least 1951 until 1959.

- Six nearby historic auto stations were listed on the environmental database. Rincon indicated these sites were located hydrologically up-gradient and there is potential that contamination from these sites could have impacted groundwater beneath the subject property.

Rincon concluded foundry operations can involve the use of heavy metals including copper, lead, nickel and zinc. Machine shop operations can involve the use of cutting oil and degreasing solvents. Rincon indicated the former use of the Property represented a potential recognized environmental condition (REC) and recommended a subsurface investigation.

Soil and Groundwater Investigations

Partner Investigation

A Phase 2 soil and groundwater investigation was performed by Partner Engineering and Science, Inc. (Partner). A total of 5 soil borings were drilled on the Property in the general areas of the former foundry and machine shops. The locations of the borings are shown on the Excavation and Sampling Map in **Attachment A**.

Partner reported concentrations of TPH-dro and TPH-oro in Boring PES-B2 at 3 feet and 7 feet. Concentrations of TPH-dro and TPH-oro were 1,200 milligrams per kilogram (mg/Kg) and 950 mg/Kg, respectively at 3 feet and 1,600 and 860 mg/Kg, respectively at 7 feet. Concentrations of TPH-dro were above the California Regional Water Quality Control Board Environmental Screening Level (ESL[1]) of 1,100 mg/Kg (Table S-1, RWQCB, February 2016, Revision 3). The sample from 3 feet also contained total petroleum hydrocarbons as gasoline (TPH-gro) at a concentration of 46 mg/Kg. Partner does not appear to have had the laboratory run silica gel cleanup on the samples prior to analysis to remove biogenic hydrocarbon interferences.

Naphthalene was detected at 5.3 mg/Kg in the sample from Boring PES-B2 at 3 feet. This concentration was above the ESL of 0.033 mg/Kg to protect drinking water (RWQCB, February 2016). No other concentrations of TPH-dro, TPH-oro or naphthalene were detected in soil samples.

Lead and copper were detected in soil at 3 feet in borings PES-B1 and PES-B2 which appear to be above background concentrations. However, the maximum concentration of copper of 1,200 mg/Kg is below the Residential Risk-based ESL of 3,100 mg/Kg (RWQCB, Table S-1, February 2016). The maximum concentration of lead of 140 mg/Kg was below the Commercial/Industrial-

1 Commercial/Industrial Land Use, Shallow Soil Exposure Scenario

based ESL of 320 mg/Kg for direct contact (RWQCB, Table S-1, February 2016).

No concentrations of TPH-dro or TPH-oro were detected in groundwater samples from Borings PES-B1 and PES-B2. Volatile organic compounds (VOCs) were not detected in the groundwater sample collected from PES-B1. Naphthalene was not detected in the groundwater sample from PES-B2. No groundwater samples were collected from borings PES-B3, PES-B4, or PES-B5.

ERAS Investigation

ERAS collected soil samples from seven soil borings, designated B-1, B-2, B-3, B-4, B-6, B-7 and B-8, on October 21, 2014. No boring designated B-5 was completed. Boring B-5 was originally to be drilled near previous boring PES-B5 but after review of the results of previous analyses, it was determined B-5 was not necessary. The locations of the borings are shown on **Figure 2** included as **Attachment A**.

Borings B-1, B-3, B-4, and B-7 were advanced to a depth of 12 feet bgs, borings B-2 and B-6 were advanced to 16 feet bgs, and boring B-8 was advanced to 4 feet bgs.

Soil samples were collected from the following depths from each boring:

B-1	1.5-2.0 feet bgs, 3.0-3.5 feet bgs, and 9-9.5 feet bgs
B-2	2.0-2.5 feet bgs, 3.0-3.5 feet bgs, 7.5-8 feet bgs, and 15.5-16 feet bgs
B-3	2.0-2.5 feet bgs, 3.0-3.5 feet bgs, 7.5-8 feet bgs, and 11.5-12 feet bgs
B-4	3.0-3.5 feet bgs, 7.5-8.0 feet bgs, and 9.5-10 feet bgs
B-6	1.5-2.0 feet bgs, 2.5-3.0 feet bgs, 7.5-8 feet bgs, and 15.5-16 feet bgs
B-7	2.0-2.5 feet bgs, 3.0-3.5 feet bgs, 7.5-8 feet bgs, and 11.5-12 feet bgs
B-8	1.5-2.0 feet bgs

The soil samples collected from the zone of 1.5-2.5 feet bgs and 2.5-3.5 feet bgs were analyzed for TPH-gro by EPA Method SW8021B/8015B, TPH-dro and TPH-oro by EPA Method SW8015B, and copper, lead, and tin by EPA Method SW6020 except for borings B-1, B-4, and B-7 where the 3.0-3.5-foot sample was only analyzed for the three metals and not the hydrocarbons.

The soil samples collected from depth greater than 3.5 feet bgs were analyzed for only the presence of the hydrocarbons. The results of the soil sample analyses are presented in the tables in Attachment B.

The concentrations of the contaminants of concern above the ESL appear to be limited to the area of borings B-2, B-3, B-6, and PES-B2. Concentrations of contaminants above the ESL were detected to a depth of approximately 8 feet bgs. Samples collected at depths of 12 feet bgs did not contain concentrations above the ESLs. Based on 1) the depth to water (17.5 to 19.5 feet bgs), 2) the lack of groundwater contamination in the prior borings (PES-B1 & -B2), 3) the attenuation of the degree of contamination in the soil samples with depth above 12 ft bgs, and 4) the concentrations of deeper soil samples in comparison to the ESLs, contaminants detected in the soil column do not appear to pose a risk of contamination to groundwater beneath the Property.

SVC Investigation

Because of the presence of naphthalene in shallow soil (PES-B2 at 3 feet) close to the building, the ACHCSA requested soil vapor sampling to assess the possible risk of naphthalene to impact indoor air. On October 23, 2015, SVC Environmental (SVC) collected a sub slab vapor sample designated SS-1 inside the office building and a soil vapor sample VP-1 outside the building near PES-B-2 in the locations presented in **Figure 2**.

No detectable concentrations of benzene, toluene, ethylbenzene and xylenes (BTEX), or naphthalene were detected in SS-1. Concentrations of BTEX and naphthalene were detected in VP-1 below soil gas ESLs for commercial/industrial uses. However, methane was detected at a concentration of 9% which is above the lower explosive limit (LEL) of 5%. Therefore, it was decided to install a VMS to ensure that methane would be evacuated from the subsurface to mitigate the risk of an explosion hazard.

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 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 (Goldman, 1967). Surface topography in the immediate vicinity of the Property is gently sloping down to the west towards Oakland Outer Harbor.

The Property is at an elevation of approximately 20 feet above Mean Sea Level per 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 east-northeast 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 west.

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 west-southwest toward the Oakland Outer Harbor.

Based on the previous borings drilled on the Property, the subsurface sediments consist of mostly medium stiff to stiff clay to the depths explored of approximately 20 feet. Coarser sediments were observed in Boring PES-B1 at approximately 10-15 feet. Groundwater was reported in the borings at depths of approximately 17.5 to 19.5 feet.

FIELD WORK PERFORMED

The field work performed consisted of excavation of soil for installation of the passive VMS system and excavation of the area around ERAS Boring B-2. During excavation, confirmation soil samples were collected for laboratory analysis. After installation of the system, the excavations were filled with clean backfill, the site was restored and confirmation sub slab and VMS system vapor sampling was performed. Waste generated during the excavation was sampled, profiled and disposed.

The layout of the Property with the locations of borings as well as the estimated extent of total petroleum hydrocarbons quantified as diesel range organic hydrocarbons above 1,100 mg/kg are shown in **Figure 2** included in **Attachment A**. This map also presents the location of the excavation areas including the excavation along the building which contains the VMS.

Table 1 and **Table 1 notes** included in **Attachment B** summarize the results of laboratory analyses performed on soil samples collected at the Property.

The Standard Operating Procedures for soil sampling with hand digging equipment is included as **Attachment D**. The approximate locations of these samples are shown on **Figure 2** included in **Attachment A**.

VMS Excavation

The trench and piping for the VMS extended along the entire length of the outside of the office area, approximately 46 feet. The trench was approximately 2 feet from the building, 2 feet wide, and 4 feet deep. The VMS was installed as specified in the Basis of Design Report (Sustainable Technologies, 2016). The soil excavated in that area removed some of the shallow hydrocarbon-contaminated soil that was detected in Borings B-3, B-6 and PES-2. Confirmation soil samples E-7 through E-15 were collected in the manner requested by ACHCSA. This included collection of soil samples for each 20 feet of sidewall length and for each 50 square feet of bottom of excavation. Soil samples were collected from depths of approximately 3 feet in the sidewalls and at the bottom since these were the areas of highest contamination found during previous subsurface investigations.

Boring B-2 Excavation

Soil was proposed to be excavated from a 10 by 10 by 3-foot deep area roughly centered on Boring B-2 to remove soil containing lead above the ESL for direct contact that was detected during previous investigations. Confirmation soil samples E-1 through E-6 were collected for each 20 feet of sidewall length and for each 50 square feet of bottom of excavation. Soil samples were collected from depths of approximately 3 feet in the sidewalls and at the bottom since these were the areas of highest contamination found during previous subsurface investigations.

Soil samples were analyzed on a rush turnaround time for total lead. The sidewall sample E-4 was found to contain a concentration of lead above the direct contact ESL so an additional 5 feet of soil was removed from the sidewall that was the source of E-4 (eastern wall) and another sample, E-16 was collected.

The confirmation soil samples from the excavations were analyzed for total petroleum hydrocarbons quantified as gasoline range organics (TPH-gro), diesel range organics (TPH-dro), oil range organics (TPH-oro) by EPA Method 8015, full scan volatile organic compounds (VOCs) by EPA Method 8260, semi-volatile organic compounds (SVOCs) by EPA Method 8270, copper, lead, and tin.

Following completion of excavation and confirmation sampling, the VMS was installed as detailed in the February 6, 2016 Basis of Design Report. A diagram illustrating the VMS is included in Attachment A. Backfill designated Syar-3 from Lake Herman was imported, compacted and the areas of excavation were paved. A laboratory analytical report for this fill material is included in **Attachment E**.

Confirmation Air Sampling
Following site restoration, a sub slab samples SS-1R was collected inside the building near the previous vapor sample boring SS-1. A soil gas sample, VP-1R was collected outside the building near VP-1, however, water entered the sample container which precludes any proper laboratory analyses of this sample. The approximate locations of the soil gas samples are shown on **Figure 2** included as **Attachment A**.

Waste Disposal
Excavated soil was stockpiled on plastic sheeting, sampled and covered. Samples were collected for laboratory analysis and analyzed for appropriate contaminants for disposal on a rush turnaround time. Additional details for waste soil characterization and disposal are discussed in the ANALYTICAL RESULTS section below and provided in Attachment H.

Following acceptance of the soil by the appropriate landfill, a certified hauler was contracted to dispose of the soil.

ANALYTICAL RESULTS

Soil Confirmation Samples
The soil samples were transported under chain-of-custody procedures to McCampbell Analytical, a state-certified laboratory in Pittsburg, California. The laboratory reports and accompanying chain of custody forms are included as **Attachment F**. **Table 1** and **Table 1 notes** included as **Attachment B** summarize the results of laboratory analyses performed on soil samples collected at the Property.

The confirmation soil samples from the excavations were analyzed for total petroleum hydrocarbons quantified as gasoline range organics (TPH-gro), diesel range organics (TPH-dro), oil range organics (TPH-oro) by EPA Method 8015, full scan volatile organic compounds (VOCs) by EPA Method 8260, semi-volatile organic compounds (SVOCs) by EPA Method 8270, copper, lead, and tin.

No concentrations of TPH-gro were detected above the ESL for commercial/industrial shallow soil exposure of 3,900 mg/Kg.

Concentrations of TPH-dro remained at concentrations ranging up to 3,000 mg/Kg above the ESL for commercial/industrial shallow soil exposure of 1,100 mg/Kg.

No concentrations of TPH-oro were detected above the ESL for commercial/industrial shallow soil direct contact of 14,000 mg/Kg.

VOCs detected above their respective MDLs included n-butyl benzene, sec-butyl benzene, n-propyl benzene, and naphthalene. Naphthalene was detected at concentrations of 0.94 to 4.7 mg/Kg, below the direct contact ESL of 14 mg/Kg.

The only SVOC detected above the MDL was 2-methyl naphthalene at concentrations up to 19 mg/Kg which is below the ESL for commercial/industrial shallow direct contact of 3,000 mg/Kg.

Copper was detected at concentrations ranging from 16 to 5,200 mg/Kg. None of the concentrations detected exceeded the ESL for commercial/industrial direct contact soil exposure of 47,000 mg/Kg.

Lead was detected at concentrations ranging from 6.8 mg/Kg to 490 mg/Kg. Two concentrations were detected above the ESL for commercial/industrial direct contact of 320 mg/Kg. These concentrations were detected in the samples collected from E-4 and E-11. The soil around E-4 was excavated and the sample E-16 which contained a concentration of 20 mg/Kg indicated this soil was sufficiently removed. The concentration E-11 (430 mg/Kg) was left in place since this area underlies the building and was inaccessible for excavation without jeopardizing the structural integrity of the building.

Tin was detected at concentrations ranging from below the MDL up to 250 mg/Kg. There is no ESL for commercial/industrial sallow soil exposure or ESL for the protection of groundwater for tin.

Laboratory results for the excavation confirmation samples are summarized in the laboratory reports in **Attachment F**.

Vapor Samples

Following re-paving of the excavation area, SVC re-sampled vapor from beneath the building slab and collected vapor samples from the sample port at 4 feet above the ground on the VMS vent riser. A second vapor sample was collected from the effluent from the top of the riser at approximately 11 feet.

No concentrations of BTEX or naphthalene were found in the sub slab or vent samples. Concentrations of 2-propanol ranging from 7.21 micrograms per liter (µg/L) to 29.2 µg/L were reported. These concentrations in the samples were well below the concentration of 2-propanol found in the shroud used to check for leakage for the sub-slab sample indicating a non-leaking sampling process. The laboratory report for the vapor samples is included in **Attachment G**

Waste Disposal

The soil stockpiles generated from the excavations were sampled and samples sent to the laboratory for analyses for proper analytes for disposal at a Class 2 landfill. However, because of the elevated concentration of lead in the sample, additional analyses were requested for lead by Soluble Threshold Limit Concentration (STLC) and Total Concentration Limit Concentration (TCLP). The laboratory report is included in **Attachment H**.

Based on the results, the soil was disposed at the Class I hazardous waste facility in Kettleman Hills run by Waste Management, Inc. A total of 40 tons of soil was disposed on October 27 and 28, 2016, hazardous waste manifests are also included in **Attachment H**.

CONCLUSIONS AND RECOMMENDATIONS

Excavation of soil at the Property was successful in removing significant amounts of soil containing diesel range petroleum hydrocarbons and lead. Concentrations of hydrocarbons and lead remain in a limited area that are above the ESLs for direct contact. Sampling of sub slab soil vapor in 2015 and 2016 indicates no threat to indoor air inside the building.

A passive vapor mitigation system has been installed along the outside of the building to promote evacuation of methane and naphthalene from shallow soil and mitigate outside or indoor air affected by these contaminants of concern.

ERAS recommends that Deed Restriction and Site Management Plan be filed for the Property to manage any restrictions for future construction or redevelopment activities.

REFERENCES

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

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

ERAS Environmental, Inc., Addendum to Workplan for Limited Phase II Subsurface Investigation. 3037-3115 Adeline Street, Oakland, California, July 26, 2016.

ERAS Environmental, Inc., Report of Soil Gas and Sub Slab Soil Gas Investigation, 3037-3115 Adeline Street, Oakland, California, November 23, 2015.

ERAS Environmental, Inc., Work Plan for Limited Phase II Subsurface Investigation**,** 3037-3115 Adeline Street, Oakland, California, August 7, 2014.

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

Helley, 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.

Partner Engineering and Science Inc, Phase 1 Environmental Site Assessment – ASTM 05, 3037, 3101, & 3115 Adeline Street, Oakland, California 94608, November 15, 2013.

Partner Engineering and Science Inc, Limited Phase II Subsurface Investigation, 3037, 3101, & 3115 Adeline Street, Oakland, California 94608, May 24, 2013.

Sustainable Technologies, Basis of Design Report, 3037-3115 Adeline Street, Oakland, California, February 5, 2016.

CERTIFICATION

Our firm has prepared this report for the Client's exclusive use for this particular project and in general accordance with the accepted standard of practice that exists in Northern California at the time the investigation was performed. No other representations, expressed or implied, and no warranty or guarantee is included or intended. No subsurface investigation is complete enough to guarantee that no contamination exists on a particular site and the judgments leading to conclusions and recommendations are generally made based on the data collected according to the scope of work performed and are therefore potentially limited and incomplete. More extensive studies can tend to reduce the uncertainties associated with this type of investigation.

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.

If you have questions or comments regarding this report please contact Andrew Savage at 510-247-9885 x302, or by e-mail andrew@eras.biz.

ERAS thanks you for the opportunity to serve you.

Sincerely,
ERAS Environmental, Inc.

Curtis Payton
California Registered Professional Geologist 5608

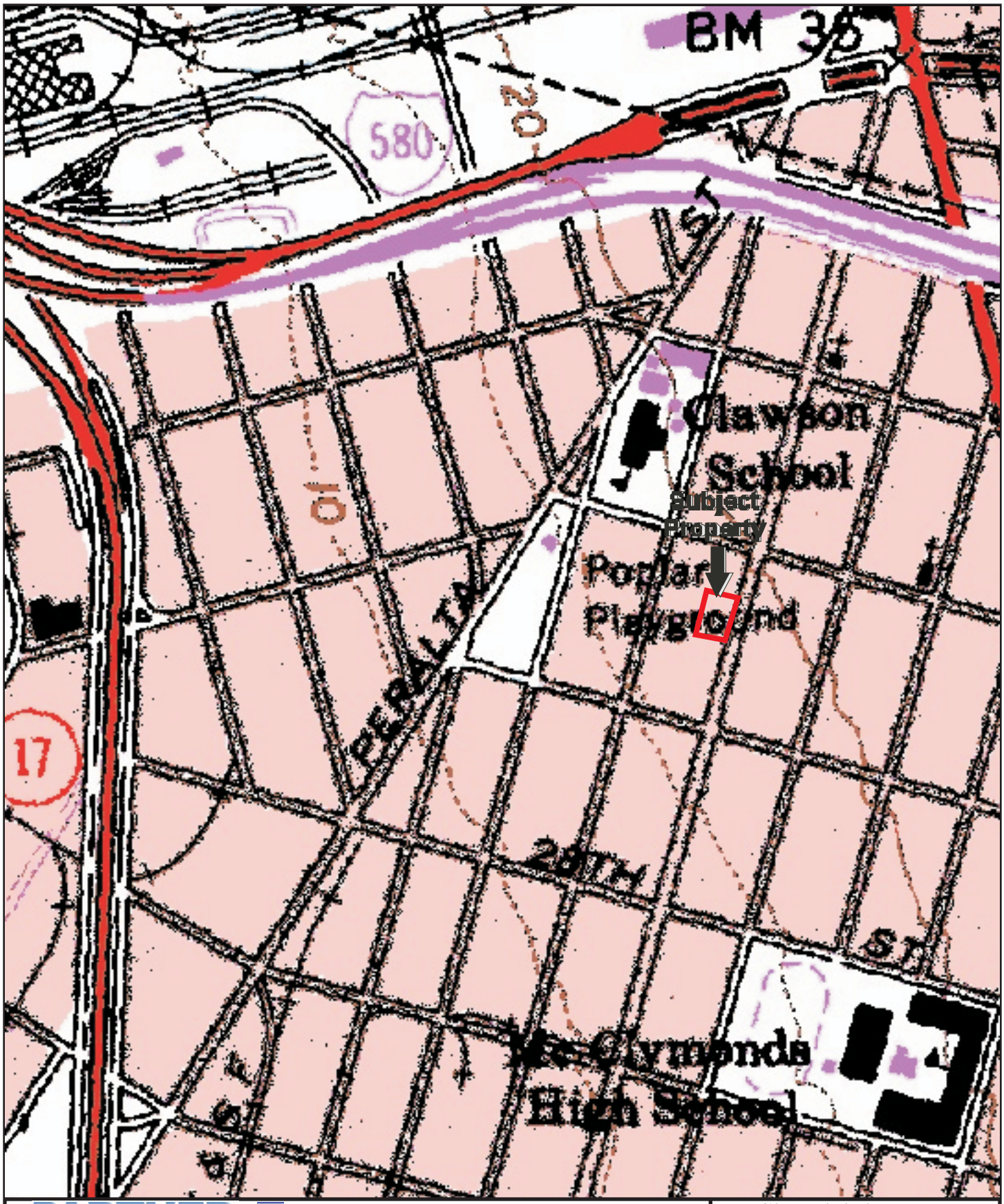
Andrew Savage
Project Geologist

Attachments

A Figures
B Tables
C ACHCSA Letter
D Standard Operating Procedures
E Excavation Backfill Laboratory Reports
F Excavation Soil Samples Laboratory Report
G Vapor Samples Laboratory Report
H Waste Disposal Laboratory Reports and Manifests

ATTACHMENT A

FIGURES

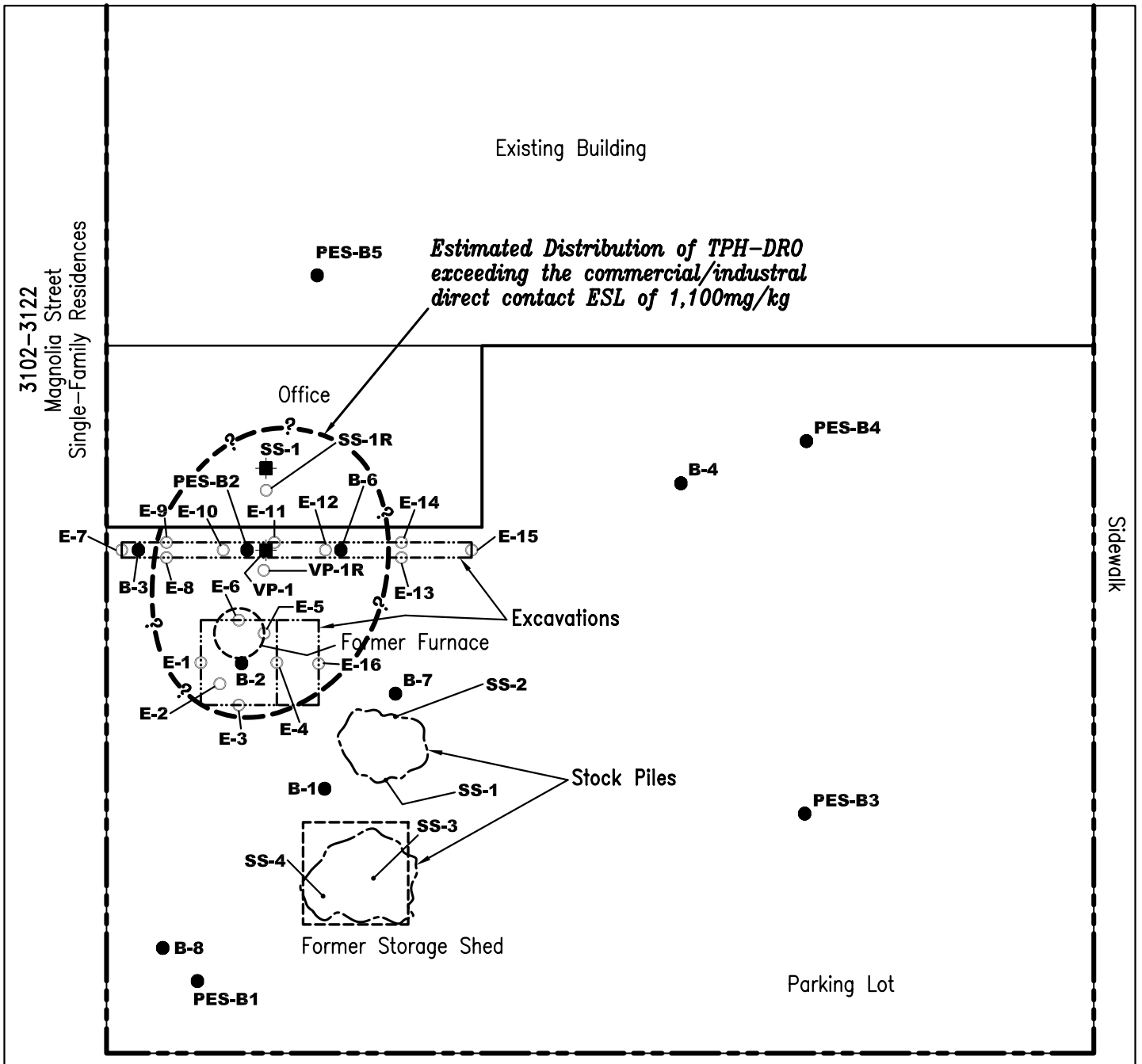


USGS Oakland West Quadrangle
Version: 1980

Site Vicinity Map

Figure	
1	

3037, 3101 & 3115 Adeline Street
Oakland, California 94608



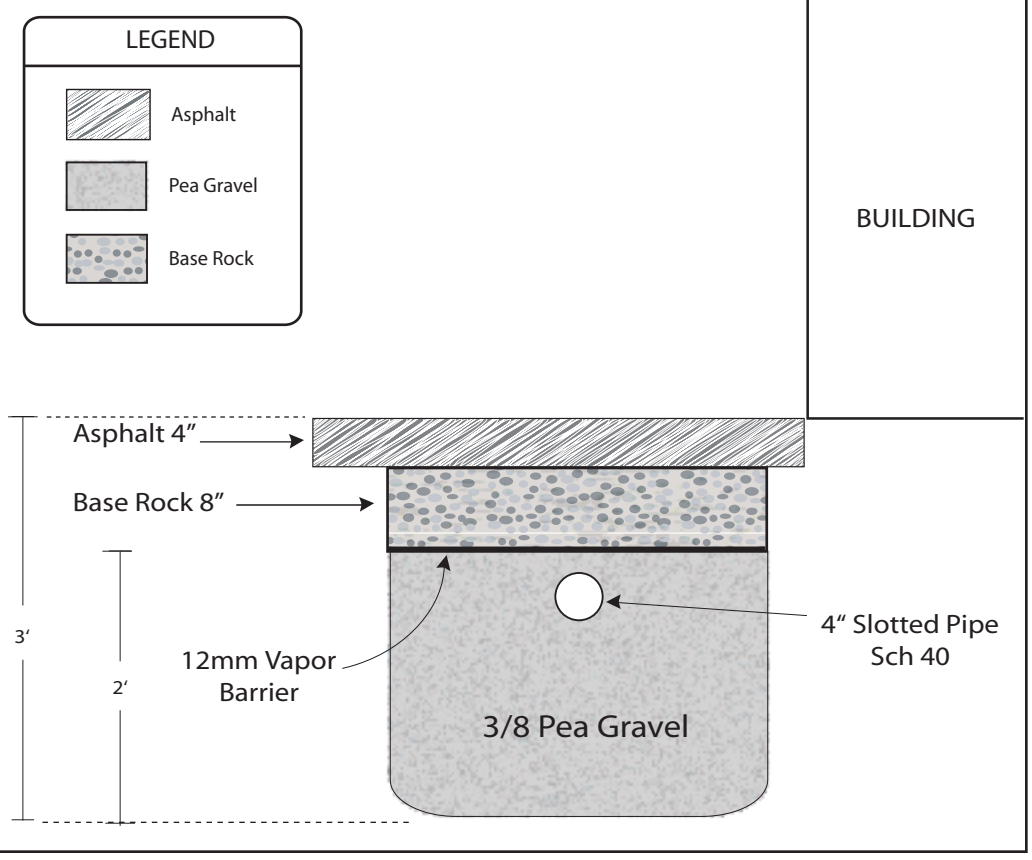
EXCAVATION AND SAMPLING MAP

DATE 10/2016 REVIEWED BY AS & DS	– 3037–3115 Adeline Street Oakland, California	JOB NUMBER 14–002–003 FIGURE 2

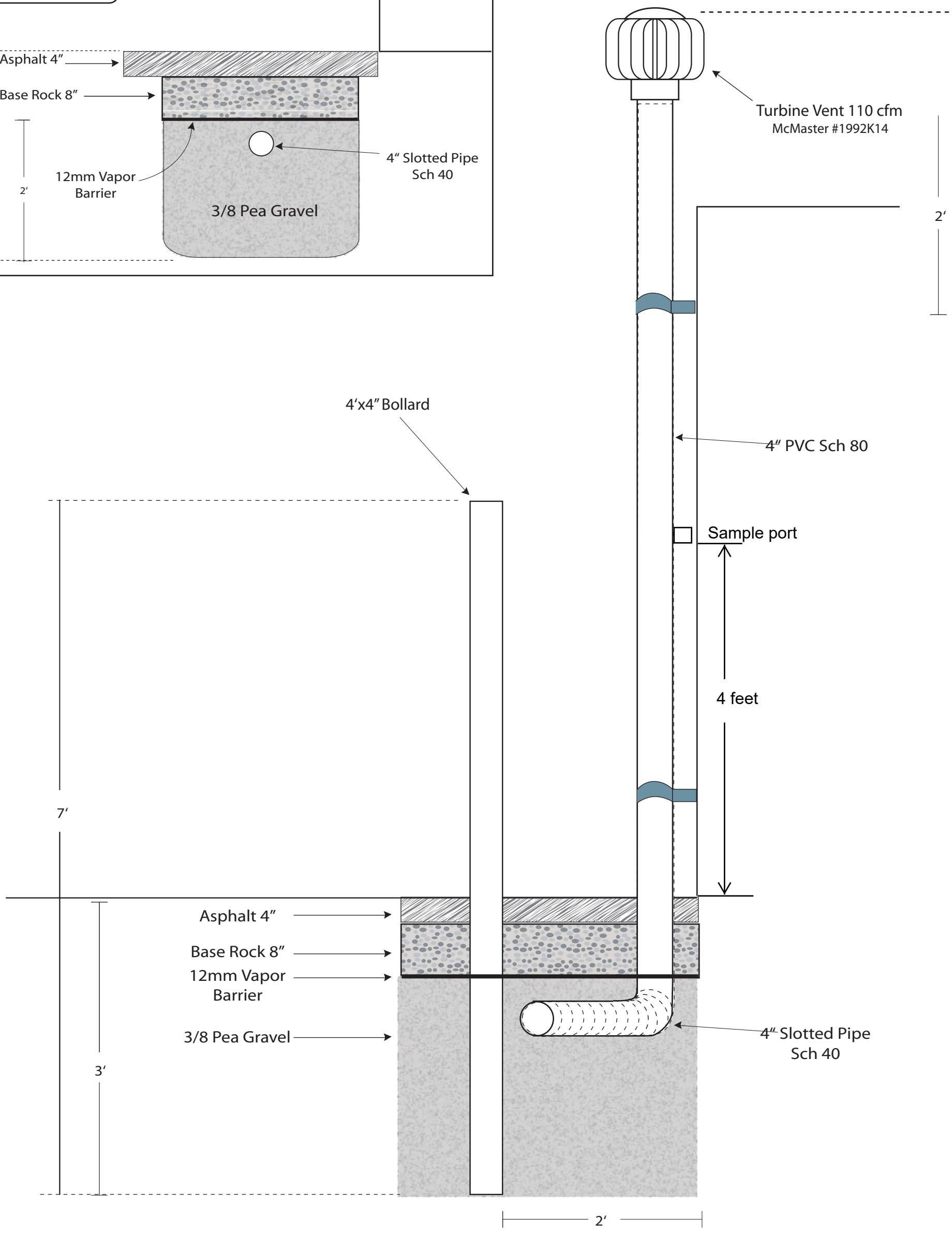
ERAS Environmental Inc.

ERAS 10-20-2016 Excavation & Sampling Map.dwg

3/A Detail A
Cross Section of Subslab Venting System



3/B Detail B
Side View and Cross Section of Vent Riser Pipe



Sustainable Technologies

ERAS Environmental Inc.

Subslab Venting System
Adeline Foundry
3037, 3101 & 3115 Adeline Street
Oakland, California

DATE
2/08/16
JOB NUMBER
RO0003142

FIGURE
3

ATTACHMENT B

TABLES

TABLE 1. ANALYTICAL RESULTS - SOIL

3037-3115 Adeline Street, Oakland

Sample ID	Date	TPH-gro	TPH-dro	TPH-dro*	TPH-oro	TPH-oro*	Copper	Lead	Tin	Napthalene
		(mg/Kg)								
PES-B1-3	1-May-13	NA	NA	NA	NA	NA	160	43	NA	NA
PES-B2-3	1-May-13	46	**1,200**	NA	950	NA	1,200	140	NA	5.30
PES-B2-7	1-May-13	NA	**1,600**	NA	860	NA	15	<3.0	NA	NA
PES-B2-12	1-May-13	NA	<10	NA	<10	NA	11	8	NA	NA
PES-B2-18	1-May-13	NA	<10	NA	<10	NA	17	<3.0	NA	NA
PES-B3-3	1-May-13	<10	<10	NA	<10	NA	17	<3.0	NA	<4.3
PES-B4-3	1-May-13	NA	NA	NA	NA	NA	11	<3.0	NA	NA
PES-B4-11	1-May-13	<10	<10	NA	<10	NA	NA	NA	NA	<5
PES-B5-3	1-May-13	NA	NA	NA	NA	NA	18	44	NA	NA
PES-B5-7	1-May-13	<10	<10	NA	<10	NA	NA	NA	NA	<3.8
B-1, 1.5-2	21-Oct-14	<1	<1.0	NA	<5.0	NA	210	25	<5.0	NA
B-1, 3-3.5	21-Oct-14	NA	NA	NA	NA	NA	22	6.7	<5.0	NA
B-1, 9-9.5	21-Oct-14	<1	11	NA	100	NA	NA	NA	NA	NA
B-1, 10.5-11	21-Oct-14	<1	<1.0	NA	<5.0	NA	NA	NA	NA	NA
B-2, 2-2.5	21-Oct-14	540	**17,000**	**20,000**	8,700	11,000	1,200	**650**	78	NA
B-2, 3-3.5	21-Oct-14	190	270	NA	<250	NA	24	7.8	<5	NA
B-2, 7.5-8	21-Oct-14	200	**2,700**	NA	1,700	NA	NA	NA	NA	NA
B-2, 15.5-16	21-Oct-14	4.1	49	NA	38	NA	NA	NA	NA	NA
B-3, 2-2.5	21-Oct-14	<1	480	NA	430	NA	31	7.0	<5	NA
B-3, 3-3.5	21-Oct-14	150	370	NA	<250	NA	22	8.8	<5	NA
B-3, 7.5-8	21-Oct-14	<1	120	NA	100	NA	NA	NA	NA	NA
B-3, 11.5-12	21-Oct-14	<1	<5.0	NA	<5.0	NA	NA	NA	NA	NA
B-4, 3-3.5	21-Oct-14	NA	NA	NA	NA	NA	18	5.8	<5	NA
B-4, 7.5-8	21-Oct-14	<1	<5.0	NA	<5.0	NA	NA	NA	NA	NA
B-4, 9.5-10	21-Oct-14	<1	1.2	NA	<5.0	NA	NA	NA	NA	NA
B-6, 1.5-2	21-Oct-14	55	**1,400**	NA	1,200	NA	380	120	20	NA
B-6, 2.5-3	21-Oct-14	180	670	NA	280	NA	22	7.1	<5	NA
B-6, 7.5-8	21-Oct-14	40	480	NA	280	NA	NA	NA	NA	NA
B-6, 15.5-16	21-Oct-14	<1	<1.0	NA	<5.0	NA	NA	NA	NA	NA
B-7, 2-2.5	21-Oct-14	<1	<1.0	NA	<5.0	NA	87	18	<5	NA
B-7, 3-3.5	21-Oct-14	NA	NA	NA	NA	NA	18	7.1	<5	NA
B-7, 7.5-8	21-Oct-14	<1	3.1	NA	14	NA	NA	NA	NA	NA
B-7, 11.5-12	21-Oct-14	<1	<1.0	NA	<5.0	NA	NA	NA	NA	NA
B-8, 1.5-2	21-Oct-14	NA	NA	NA	NA	NA	23	10	<5	NA
E-1	14-Sep-16	350	NA	**3,000**	NA	4,100	66	21	<0.50	4.7
E-2	14-Sep-16	260	NA	**2,500**	NA	4,100	31	9.6	<0.50	3.7
E-3	14-Sep-16	510	NA	**2,500**	NA	4,300	2,000	140	140	3.6
E-4	14-Sep-16	180	NA	**2,200**	NA	3,900	4,600	**490**	250	3.9
E-5	14-Sep-16	160	NA	720	NA	1,210	1,300	130	91	2.9
E-6	14-Sep-16	240	NA	**2,200**	NA	3,700	25	8.8	<5.0	0.94
E-7	16-Sep-16	<1.0	NA	9.8	NA	47.8	32	9.4	<5.0	<0.10
E-8	16-Sep-16	440	NA	**1,800**	NA	2,600	47	18	<5.0	<0.10
E-9	16-Sep-16	160	NA	**2,400**	NA	3,600	480	62	8.6	<0.10
E-10	16-Sep-16	37	NA	180	NA	262	75	21	<5.0	0.38
E-11	16-Sep-16	54	NA	**1,800**	NA	2,700	5,200	**430**	120	<0.10
E-12	16-Sep-16	14	NA	140	NA	214	16	6.8	<5.0	<0.10
E-13	16-Sep-16	4.2	NA	7.2	NA	12	52	8.6	<5.0	<0.10
E-14	16-Sep-16	<1.0	NA	10	NA	18	30	8.5	<5.0	<0.10
E-15	16-Sep-16	<1.0	NA	<1.0	NA	<5.0	21	8.9	<5.0	<0.0050
E-16	16-Sep-16	NA	NA	NA	NA	NA	NA	20	NA	NA
ESL[1]		770	570	570	--	--	--	--	--	0.033
ESL[2]		3,900	1,100	1,100	14,000	14,000	47,000	320	--	14

TABLE 1. ANALYTICAL RESULTS - SOIL
3037-3115 Adeline Street, Oakland

Notes

NA = Not analyzed
(mg/Kg) = Miligrams 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[1] = Environmental Screening Levels set forth by the RWQCB to protect drinking water, February 2016
ESL[2] = Environmental Screening Levels for soil exposure: commercial industrial, February 2016
Bold type indicates reported value above the ESL for soil exposure.

TABLE 2. VAPOR ANALYTICAL RESULTS

3037 Adeline Street, Oakland, California

Boring number	Sample Date	benzene	toluene	ethylbenzene	m,p-xylenes	o-xylenes	napthalene#	napthalene*	oxygen	methane	carbon dioxide
		µg/m³							%		
SS-1 (sub slab)	10/23/2015	<3.9	<4.6	<5.2	<5.2	<5.2	<25	<5.0	13	<0.00024	6.6
VP-1 (soil gas)	10/23/2015	90	90	59	<54	73	<260	60	4.0	9.0	13
SS-1R (sub slab)	11/16/2016	<1.28	<1.51	<1.73	<3.47	<1.73	<6.6	<25	13.9	<0.4	<0.5
Vent-4	11/16/2016	<1.28	<1.51	<1.73	<3.47	<1.73	<6.6	<25	13.7	<0.4	<0.5
Vent-11	11/16/2016	<1.28	<1.51	<1.73	<3.47	<1.73	<6.6	<25	15.3	<0.4	<0.5
ESL IAxAF		8	26,000	98	8,800	8,800	7.2	7.2			
ESL com		420	1,300,000	4,900	440,000	440,000	360	360			

Notes

- napthalene by EPA Method TO-15

* - napthalene by EPA Method TO-17

µg/m³ - micro grams per cubic meter

% - percent

ESL IAxAF - Regional Water Quality Control Board Environmental Screening Levels for Indoor Air at a Commercial Property multiplied by the Department of Toxic Substances Attenuation Factor of 20

ESL com - Regional Water Quality Control Board Environmental Screening Levels for Soil Gas on a Commercial Property

Table 2a
Soil Vapor Analytical Data and Measurements for 2-Propanol

Adeline Foundry
3037 Adeline Street, Oakland
by Modified EPA Method TO-15 using GC/MS in full scan mode

Soil Vapor Sample Designation	Date Sampled	Approximate Depth (feet)	2-Propanol (µg/m^3)	2-Propanol in Shroud (µg/m^3)	Average Measured PID 2-Propanol Shroud Concentration during Shroud Sample using CF=6 (µg/m^3)	Relative Percent Difference between PID measurement & Lab Result (Percent)	Average Measured 2-Propanol Shroud Concentration PID using CF=6 (µg/m^3)	Drops of Isopropyl Alcohol in Shroud (drops)	Maximum leakage based on detection limit (Percent)
Sub-Slab Soil Vapor				**Shroud Atmosphere**					
			Lab Analytical Results						
SS-1	10/23/15	0.5	300	110,000	104,992	-4.7%	114,896	12	0.26%
SS-1R	11/16/16	0.5	7.21	11,300	25,068	75.7%	25,068	11	0.03%
VP-1	10/23/15	6.0	330	--	--	--	214,831	14	0.15%

µg/m^3 = Micrograms per cubic meter
< = Not Detected, less than laboratory reporting limit
CF = Correction Factor for 2-propanol from isobutylene detected by PID (Literature Value = 6)
PID = Photoionization detector (MiniRae 3000)
2-Propanol = 91% Isopropyl alcohol utilized as leak check compound

ATTACHMENT C

ACHCSA LETTER

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
REBECCA GEBHART, Interim Director

ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
FAX (510) 337-9335

August 4, 2016

Mr. John Murray
John Murray Productions
1196 32nd Street, Oakland, CA 94608
(Sent via electronic mail to:
johnm@johnmurray.com)

Mr. Reid Settlemier
RWW Properties LLC
6114 LaSalle Avenue, #535
Oakland, CA 94611
(Sent via electronic mail to:
reid@rww-llc.com)

Subject: Conditional Approval of Modified Vapor Mitigation System Design and Remedial Excavation; Site Cleanup Program (SCP) Case No. RO0003142, Adeline Foundry, 3037-3115 Adeline Street, Oakland, CA 94608

Dear Mr. Murray and Mr. Settlemier:

Alameda County Department of Environmental Health (ACDEH) has reviewed the case file including the *Addendum to Workplan for Limited Phase II Subsurface Investigation,* dated July 26, 2016. The work plan was prepared and submitted on your behalf by ERAS Environmental Inc. (ERAS). Based on discussions and decisions made in the July 13, 2016 meeting, the referenced work plan is intended to modify the vapor mitigation system design contained in the *Vapor Mitigation Basis of Design Report* (VMS), dated February 5, 2016, and prepared by Sustainable Technologies, Inc. Thank you for submitting the work plan.

The revised VMS is to consist of a trench and piping along the entire southern edge of the southern building onsite. It is estimated to be approximately 48 foot long and will be a minimum of three feet deep and three feet in width. An additional 10 by 10 square foot area centered on soil bore B2 was proposed to be excavated to a depth of three feet in an effort to remove soil containing significant petroleum hydrocarbon contamination, as well as the metals copper and lead. It is understood that additional soil may be excavated based on perimeter and bottom removal confirmation soil samples to be collected from the excavation centered on bore B2. The referenced work plan did not discuss changes to the vertical components of the VMS system; therefore ACDEH assumes that these components will be installed in a similar fashion to those described in the original VMS basis of design report.

Based on ACEH staff review of the work plan, the proposed scope of work is conditionally approved for implementation provided that the technical comments below are incorporated during the proposed work. Submittal of a revised interim remedial work plan or a work plan addendum is not required unless an alternate scope of work outside that described in the work plan or these technical comments is proposed. We request that you address the following technical comments, perform the proposed work, and send us the report described below. Please provide 72-hour advance written notification to this office (electronic mail preferred to: mark.detterman@acgov.org) prior to the start of field activities.

TECHNICAL COMMENTS

1. **Vapor Mitigation System Design Modifications –** The referenced VMS design proposes a series of actions with which ACDEH is in general agreement of undertaking; however, ACDEH requests several modifications to the approach. Please submit a VMS Record of Construction and Excavation Report by the date specified below.

    a. **Remedial Excavation Documentation** - As noted above, the proposed excavation around bore location B-2, as stated in the work plan, will be a 10 foot by 10 foot by 3 foot area of excavation. Additional soil may be excavated based on perimeter and bottom soil samples to

be collected from the excavation centered on bore B2. Confirmation soil samples will be collected a minimum of every 20 feet laterally along an excavation edge and for every 50 square feet of bottom.

Rather than static confirmation soil sample locations as indicated on Figure 2 of the referenced work plan, ACDEH requests that all confirmation samples are positively biased toward signs of contamination, including staining, odor, Photoionization Detection (PID) readings, etc. Please also ensure that all perimeter samples are collected at the depth of documented worst-case contamination; for example at a depth of 2 – 2.5 feet around B-2.

b. **Excavation Oversight –** Because the excavation work is nominally a remedial excavation, it appropriate to require the oversight of the collection of confirmation samples, by a registered professional geologist or engineer.

c. **Vent Riser Sampling Port –** The original VMS design report indicates that a sampling port will be installed at an elevation of approximately four feet above grade surface; however, is not shown on Figure 3. Please update the figure to reflect the installation of the sampling port with the report requested below.

d. **Vent and Soil Vapor Confirmation Sampling –** The VMS design report indicates that the system vent riser will be sampled at a sample port that will be installed at an elevation of four feet above grade, and at the top of the riser to confirm the system is operating as intended. This appears reasonable. The referenced work plan additionally proposed the re-collection of soil vapor from locations proximal to the original vapor sampling locations. Thank you for including this resampling; please ensure a vapor shroud and a tracer gas is used during vapor sampling. Please additionally ensure the tracer gas is analyzed for in the vapor samples and in the shroud in order to determine, in the event of a leak of outside air into the vapor sampling system, that the leak is not more than DTSC guidance allows.

2. **Site Management Plan –** Due to changes in the proposed approach at the site, specifically the proposed excavation of contaminated soil concurrent with the installation of the VMS, the Site Management Plan (SMP) has not been approved. The removal of a potentially significant fraction of the residual contamination must be reflected in the document which is intended to provide a management plan for future subsurface incursions at the site. Specifically, this must include an update of known residual areas of contamination and the magnitude of the residual contamination as documented by the confirmation sampling requested above. The document must also include emergency contact information as requested in the December 10, 2015 directive letter.

   The existing SMP recommends monthly VMS inspections. ACDEH is in agreement that monthly visual inspections are appropriate; however, ACDEH requests semi-annual (twice a year) written documentation of the inspections, and any actions needed to be taken to maintain the system and pavement in a good working order. The documentation is required to be kept onsite for use as needed thereafter. These changes should be incorporated into the revised SMP.

TECHNICAL REPORT REQUEST

Please upload technical reports to the ACEH ftp site (Attention: Mark Detterman), and to the State Water Resources Control Board's Geotracker website, in accordance with Attachment 1 and the specified file naming convention below, according to the following schedule:

- **October 28, 2016 –** Vapor Mitigation Record of Construction and Excavation Report
  File to be named: RO3142_RDIP_R_yyyy-mm-dd
- **October 28, 2016 –** Revised Site Management Plan
  File to be named: RO3142_SITE_MANAGE_R_yyyy-mm-dd

Online case files are available for review at the following website: http://www.acgov.org/aceh/index.htm.
If your email address does not appear on the cover page of this notification, ACEH is requesting you

provide your email address so that we can correspond with you quickly and efficiently regarding your case.

Should you have any questions, please contact me at (510) 567--6876 or send me an electronic mail message at mark.detterman@acgov.org.

Sincerely,

Digitally signed by Mark Detterman
DN: cn=Mark Detterman, o=ACEH, ou=ACEH, email=mark.detterman@acgov.org, c=US
Date: 2016.08.04 10:51:19 -07'00'

Mark E. Detterman, P.G., C.E.G.
Senior Hazardous Materials Specialist

Enclosures: Attachment 1 – Responsible Party (ies) Legal Requirements / Obligations
Electronic Report Upload (ftp) Instructions

cc: Clinton Stockton, John Murray Productions, Inc, 1196 32nd Street, Oakland, CA 94608; (Sent via electronic mail to: Clinton@johnmurray.com)

Dan Kwon, Dogtown Athletic, 3109 Adeline Street, Oakland, CA 94608 (Sent via electronic mail to: dan@dogtownathletic.com)

Chris Lee, Dogtown Athletic, 3109 Adeline Street, Oakland, CA 94608 (Sent via electronic mail to: chris@dogtownathletic.com)

David Siegel, ERAS Environmental, Inc., 1533 B Street, Hayward, CA 94541 (Sent via electronic mail to: dave@eras.biz)

Curtis Payton, ERAS Environmental, Inc., 1533 B Street, Hayward, CA 94541 (Sent via electronic mail to: curtis@eras.biz)

Andrew Savage, ERAS Environmental, Inc., 1533 B Street, Hayward, CA 94541 (Sent via electronic mail to: andrew@eras.biz)

Dilan Roe, ACDEH, (Sent via electronic mail to: dilan.roe@acgov.org)
Mark Detterman, ACDEH, (Sent via electronic mail to: mark.detterman@acgov.org)
Geotracker, Electronic File

Attachment 1

Responsible Party(ies) Legal Requirements / Obligations

REPORT REQUESTS

These reports are being requested pursuant to California Health and Safety Code Section 25296.10. 23 CCR Sections 2652 through 2654, and 2721 through 2728 outline the responsibilities of a responsible party in response to an unauthorized release from a petroleum UST system, and require your compliance with this request.

ELECTRONIC SUBMITTAL OF REPORTS

ACEH's Environmental Cleanup Oversight Programs (LOP and SLIC) require submission of reports in electronic form. The electronic copy replaces paper copies and is expected to be used for all public information requests, regulatory review, and compliance/enforcement activities. Instructions for submission of electronic documents to the Alameda County Environmental Cleanup Oversight Program FTP site are provided on the attached "Electronic Report Upload Instructions." Submission of reports to the Alameda County FTP site is an addition to existing requirements for electronic submittal of information to the State Water Resources Control Board (SWRCB) GeoTracker website. In September 2004, the SWRCB adopted regulations that require electronic submittal of information for all groundwater cleanup programs. For several years, responsible parties for cleanup of leaks from underground storage tanks (USTs) have been required to submit groundwater analytical data, surveyed locations of monitoring wells, and other data to the GeoTracker database over the Internet. Beginning July 1, 2005, these same reporting requirements were added to Spills, Leaks, Investigations, and Cleanup (SLIC) sites. Beginning July 1, 2005, electronic submittal of a complete copy of all reports for all sites is required in GeoTracker (in PDF format). Please visit the SWRCB website for more information on these requirements (http://www.waterboards.ca.gov/water_issues/programs/ust/electronic_submittal/).

PERJURY STATEMENT

All work plans, technical reports, or technical documents submitted to ACEH must be accompanied by a cover letter from the responsible party that states, at a minimum, the following: "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." This letter must be signed by an officer or legally authorized representative of your company. Please include a cover letter satisfying these requirements with all future reports and technical documents submitted for this fuel leak case.

PROFESSIONAL CERTIFICATION & CONCLUSIONS/RECOMMENDATIONS

The California Business and Professions Code (Sections 6735, 6835, and 7835.1) requires that work plans and technical or implementation reports containing geologic or engineering evaluations and/or judgments be performed under the direction of an appropriately registered or certified professional. For your submittal to be considered a valid technical report, you are to present site specific data, data interpretations, and recommendations prepared by an appropriately licensed professional and include the professional registration stamp, signature, and statement of professional certification. Please ensure all that all technical reports submitted for this fuel leak case meet this requirement.

UNDERGROUND STORAGE TANK CLEANUP FUND

Please note that delays in investigation, later reports, or enforcement actions may result in your becoming ineligible to receive grant money from the state's Underground Storage Tank Cleanup Fund (Senate Bill 2004) to reimburse you for the cost of cleanup.

AGENCY OVERSIGHT

If it appears as though significant delays are occurring or reports are not submitted as requested, we will consider referring your case to the Regional Board or other appropriate agency, including the County District Attorney, for possible enforcement actions. California Health and Safety Code, Section 25299.76 authorizes enforcement including administrative action or monetary penalties of up to $10,000 per day for each day of violation.

Alameda County Environmental Cleanup Oversight Programs (LOP and SLIC)	**REVISION DATE:** May 15, 2014
	ISSUE DATE: July 5, 2005
	PREVIOUS REVISIONS: October 31, 2005; December 16, 2005; March 27, 2009; July 8, 2010, July 25, 2010
SECTION: Miscellaneous Administrative Topics & Procedures	**SUBJECT:** Electronic Report Upload (ftp) Instructions

The Alameda County Environmental Cleanup Oversight Programs (LOP and SLIC) require submission of all reports in electronic form to the county's ftp site. Paper copies of reports will no longer be accepted. The electronic copy replaces the paper copy and will be used for all public information requests, regulatory review, and compliance/enforcement activities.

REQUIREMENTS

- **Please do not submit reports as attachments to electronic mail.**
- Entire report including cover letter must be submitted to the ftp site as **a single portable document format (PDF) with no password protection**.
- It is **preferable** that reports be converted to PDF format from their original format, (e.g., Microsoft Word) rather than scanned.
- **Signature pages and perjury statements must be included and have either original or electronic signature.**
- **Do not password protect the document**. Once indexed and inserted into the correct electronic case file, the document will be secured in compliance with the County's current security standards and a password. **Documents with password protection will not be accepted**.
- Each page in the PDF document should be rotated in the direction that will make it easiest to read on a computer monitor.
- Reports must be named and saved using the following naming convention:

  RO#_Report Name_Year-Month-Date (e.g., RO#5555_WorkPlan_2005-06-14)

Submission Instructions

1) Obtain User Name and Password
   a) Contact the Alameda County Environmental Health Department to obtain a User Name and Password to upload files to the ftp site.
      i) Send an e-mail to deh.loptoxic@acgov.org
   b) In the subject line of your request, be sure to include **"ftp PASSWORD REQUEST"** and in the body of your request, include the **Contact Information, Site Addresses**, and the **Case Numbers (RO# available in Geotracker) you will be posting for**.

2) Upload Files to the ftp Site
   a) Using Internet Explorer (IE4+), go to ftp://alcoftp1.acgov.org
      (i) Note: Netscape, Safari, and Firefox browsers will not open the FTP site as they are NOT being supported at this time.
   b) Click on Page located on the Command bar on upper right side of window, and then scroll down to Open FTP Site in Windows Explorer.
   c) Enter your User Name and Password. (Note: Both are Case Sensitive.)
   d) Open "My Computer" on your computer and navigate to the file(s) you wish to upload to the ftp site.
   e) With both "My Computer" and the ftp site open in separate windows, drag and drop the file(s) from "My Computer" to the ftp window.

3) Send E-mail Notifications to the Environmental Cleanup Oversight Programs
   a) Send email to deh.loptoxic@acgov.org notify us that you have placed a report on our ftp site.
   b) Copy your Caseworker on the e-mail. Your Caseworker's e-mail address is the entire first name then a period and entire last name @acgov.org. (e.g., firstname.lastname@acgov.org)
   c) The subject line of the e-mail must start with the RO# followed by **Report Upload**. (e.g., Subject: RO1234 Report Upload) If site is a new case without an RO#, use the street address instead.
   d) If your document meets the above requirements and you follow the submission instructions, you will receive a notification by email indicating that your document was successfully uploaded to the ftp site.

ATTACHMENT D

STANDARD OPERATING PROCEDURES

STANDARD OPERATING PROCEDURE - SOIL SAMPLING BY HAND

Sites that require shallow soil samples such as soil stockpiles, excavation sidewalls, backhoe buckets, surface contamination, shallow subsurface contamination, drums containing soil, etc., will be collected by hand. A relatively undisturbed sample shall be obtained in a clean brass liner. For shallow (generally five feet or less) subsurface soil sampling use a steel core sampler equipped with a clean brass liner and advanced into the soil with a slide hammer. For soil stockpiles excavations and surface contamination, the outer surface of the soil is removed and a clean brass liner is immediately driven into the soil by hand or with a hammer. In deep excavations where safety factors preclude the direct sampling of the bottom or sidewall, a backhoe bucket retrieves soil.

TOOL SELECTION AND OPERATION

For soil stockpiles, backhoe buckets, surface contamination or drums, a shovel or trowel may be used to move the surface of the soil. Dig or scrape away at least four inches of soil at the selected sample location. A brass liner should immediately be pushed into the soil by hand or if necessary driven with a hammer. To avoid damaging the liner, hold a block of wood against the liner and hit the wood to drive the liner into the soil until full.

In cases where a deeper sample is required use a hand auger to dig to the required sample depth. Remove the hand auger and use a slide hammer sample equipped with a clean brass liner to obtain the sample. The sampler consists of a stainless-steel shoe that holds the sample liner. Place a clean liner in the shoe and screw it tightly to the slide hammer. Place a chalk mark on the slide hammer six inches above the ground surface and drive the sampler until the chalk mark is at the surface. Remove the sample by back-hitting the slide weight up against the handle of the slide hammer until the shoe is free. The hand auger and sampler shoe will by cleaned with water, then soap solution and then rinsed with distilled water between samples to minimize the possibility of cross contamination.

SAMPLE PRESERVATION

After the liner is packed full with soil, the ends of the liner will be sealed with aluminum foil plastic caps and tape, labeled with pertinent sample information and stored in a chilled ice chest for preservation in the field. The sample information is logged on a chain-of-custody form, and the chilled samples are transported to the state-certified laboratory.

ATTACHMENT E

EXCAVATION BACKFILL LABORATORY REPORT

McCampbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 1512728

Report Created for: ARCADIS US, INC.

2000 Powell Street, 7th Floor
Emeryville, CA 94608-1827

Project Contact: Erik Mantor
Project P.O.:
Project Name: GP09BPNA.C105.K0000; OBP

Project Received: 12/16/2015

Analytical Report reviewed & approved for release on 12/18/2015 by:

Angela Rydelius,
Laboratory Manager

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Glossary of Terms & Qualifier Definitions

Client: ARCADIS US, INC.
Project: GP09BPNA.C105.K0000; OBP
WorkOrder: 1512728

Glossary Abbreviation

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
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
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

Analytical Qualifiers

e7	oil range compounds are significant
e8	kerosene/kerosene range/jet fuel range

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Analytical Report

Client:	ARCADIS US, INC.	**WorkOrder:**	1512728
Date Received:	12/16/15 18:49	**Extraction Method:**	E300.0
Date Prepared:	12/16/15	**Analytical Method:**	E300.0
Project:	GP09BPNA.C105.K0000; OBP	**Unit:**	%

Inorganic Anions by IC

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SYAR FILL	1512728-001A	Soil	12/15/2015 16:10	IC3	114326

Analytes	Result	RL	DF	Date Analyzed
Sulfate	**0.093**	100	10	12/17/2015 13:13

Surrogates	REC (%)	Limits	
Formate	117	80-120	12/17/2015 13:13

Analyst(s): TD

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Analytical Report

Client:	ARCADIS US, INC.	**WorkOrder:**	1512728
Date Received:	12/16/15 18:49	**Extraction Method:**	SW5030B
Date Prepared:	12/16/15	**Analytical Method:**	SW8021B/8015Bm
Project:	GP09BPNA.C105.K0000; OBP	**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
SYAR FILL	1512728-001A	Soil	12/15/2015 16:10	GC7	114318

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	ND	1.0	1	12/17/2015 11:14
MTBE	ND	0.050	1	12/17/2015 11:14
Benzene	ND	0.0050	1	12/17/2015 11:14
Toluene	ND	0.0050	1	12/17/2015 11:14
Ethylbenzene	ND	0.0050	1	12/17/2015 11:14
Xylenes	ND	0.015	1	12/17/2015 11:14

Surrogates	REC (%)	Limits	
2-Fluorotoluene	110	70-130	12/17/2015 11:14

Analyst(s): IA

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Analytical Report

Client:	ARCADIS US, INC.	**WorkOrder:**	1512728
Date Received:	12/16/15 18:49	**Extraction Method:**	SW3050B
Date Prepared:	12/16/15	**Analytical Method:**	SW6020
Project:	GP09BPNA.C105.K0000; OBP	**Unit:**	mg/Kg

Lead

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SYAR FILL	1512728-001A	Soil	12/15/2015 16:10	ICP-MS3	114300

Analytes	Result	RL	DF	Date Analyzed
Lead	**1.1**	0.50	1	12/17/2015 13:38

Surrogates	REC (%)	Limits	
Terbium	110	70-130	12/17/2015 13:38

Analyst(s): DVH

McCampbell Analytical, Inc.
"When Quality Counts"

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Analytical Report

Client:	ARCADIS US, INC.	**WorkOrder:**	1512728
Date Received:	12/16/15 18:49	**Extraction Method:**	SW3550B/3630C
Date Prepared:	12/16/15	**Analytical Method:**	SW8015B
Project:	GP09BPNA.C105.K0000; OBP	**Unit:**	mg/Kg

Total Extractable Petroleum Hydrocarbons with Silica Gel Clean-Up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SYAR FILL	**1512728-001A**	**Soil**	**12/15/2015 16:10**	**GC6A**	**114299**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**1.1**	1.0	1	12/17/2015 14:19
TPH-Motor Oil (C18-C36)	**7.5**	5.0	1	12/17/2015 14:19

Surrogates	REC (%)	Limits	
C9	116	70-130	12/17/2015 14:19

Analyst(s): TK Analytical Comments: e7,e8

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Quality Control Report

Client:	ARCADIS US, INC.	**WorkOrder:**	1512728
Date Prepared:	12/16/15	**BatchID:**	114326
Date Analyzed:	12/17/15	**Extraction Method:**	E300.0
Instrument:	IC3	**Analytical Method:**	E300.0
Matrix:	Soil	**Unit:**	mg/kg
Project:	GP09BPNA.C105.K0000; OBP	**Sample ID:**	MB/LCS-114326 1512728-001AMS/MSD

QC Summary Report for E300.0

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Sulfate	ND	94.4	10	100	-	94	80-120
Surrogate Recovery							
Formate	9.29	9.33		10	93	93	80-120

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
Sulfate	NR	NR	100	1100	NR	NR	80-120	NR	20
Surrogate Recovery									
Formate	9.35	9.32	10		94	93	80-120	0.306	20

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Quality Control Report

Client:	ARCADIS US, INC.	**WorkOrder:**	1512728
Date Prepared:	12/16/15	**BatchID:**	114318
Date Analyzed:	12/17/15	**Extraction Method:**	SW5030B
Instrument:	GC7	**Analytical Method:**	SW8021B/8015Bm
Matrix:	Soil	**Unit:**	mg/Kg
Project:	GP09BPNA.C105.K0000; OBP	**Sample ID:**	MB/LCS-114318

QC Summary Report for SW8021B/8015Bm

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
TPH(btex)	ND	0.530	0.40	0.60	-	88	70-130
MTBE	ND	0.0960	0.050	0.10	-	96	70-130
Benzene	ND	0.103	0.0050	0.10	-	103	70-130
Toluene	ND	0.0982	0.0050	0.10	-	98	70-130
Ethylbenzene	ND	0.102	0.0050	0.10	-	102	70-130
Xylenes	ND	0.316	0.015	0.30	-	105	70-130
Surrogate Recovery							
2-Fluorotoluene	0.114	0.121		0.10	114	121	70-130

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Quality Control Report

Client:	ARCADIS US, INC.	**WorkOrder:**	1512728
Date Prepared:	12/16/15	**BatchID:**	114300
Date Analyzed:	12/17/15	**Extraction Method:**	SW3050B
Instrument:	ICP-MS2, ICP-MS3	**Analytical Method:**	SW6020
Matrix:	Soil	**Unit:**	mg/Kg
Project:	GP09BPNA.C105.K0000; OBP	**Sample ID:**	MB/LCS-114300 1512682-007AMS/MSD

QC Summary Report for Metals

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Lead	ND	52.0	0.50	50	-	104	75-125
Surrogate Recovery							
Terbium	505	515		500	101	103	70-130

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
Lead	57.4	58.2	50	6.5	102	103	75-125	1.37	20
Surrogate Recovery									
Terbium	538	536	500		108	107	70-130	0.372	20

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Quality Control Report

Client:	ARCADIS US, INC.	**WorkOrder:**	1512728
Date Prepared:	12/16/15	**BatchID:**	114299
Date Analyzed:	12/17/15	**Extraction Method:**	SW3550B/3630C
Instrument:	GC6A	**Analytical Method:**	SW8015B
Matrix:	Soil	**Unit:**	mg/Kg
Project:	GP09BPNA.C105.K0000; OBP	**Sample ID:**	MB/LCS-114299

QC Report for SW8015B with Silica Gel Clean-Up

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
TPH-Diesel (C10-C23)	ND	42.2	1.0	40	-	106	70-130
TPH-Motor Oil (C18-C36)	ND	-	5.0	-	-	-	-
Surrogate Recovery							
C9	24.0	23.8		25	96	95	62-139

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CHAIN-OF-CUSTODY RECORD

WorkOrder: 1512728 **ClientCode: LFRE**

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Report to:
Erik Mantor
ARCADIS US, INC.
2000 Powell Street, 7th Floor
Emeryville, CA 94608-1827
(510) 652-4500 FAX: (510) 652-4906

Email: erik.mantor@arcadis.com
cc/3rd Party:
PO:
ProjectNo: GP09BPNA.C105.K0000; OBP

Bill to:
Accounts Payable
Arcadis US, Inc.
630 Plaza Drive, Suite 130
Highlands Ranch, CO 80129
AccountsPayable.Adminstration@arcadi

Requested TAT: **1 day;**

Date Received: **12/16/2015**
Date Logged: **12/16/2015**

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
1512728-001	SYAR FILL	Soil	12/15/2015 16:10	☐	A	A	A	A								

Test Legend:

1	300_0_S	2	G-MBTEX_S	3	PBMS_TTLC_S	4	TPH(DMO)WSG_S
5		6		7		8	
9		10		11		12	

Prepared by: Jena Alfaro

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.

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WORK ORDER SUMMARY

Client Name: ARCADIS US, INC. **QC Level:** LEVEL 2 **Work Order:** 1512728
Project: GP09BPNA.C105.K0000; OBP **Client Contact:** Erik Mantor **Date Logged:** 12/16/2015
Comments: **Contact's Email:** erik.mantor@arcadis.com

☐ 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
1512728-001A	SYAR FILL	Soil	SW8015B (TPH-d,mo w/ S.G. Clean-Up)	3 / (3:1)	4OZ GJ	☐	12/15/2015 16:10	1 day		☐	
			SW6020 (Lead)			☐		1 day		☐	
			SW8021B/8015Bm (G/MBTEX)			☐		1 day		☐	
			E300.0 (Inorganic Anions) <Sulfate>			☐		1 day		☐	

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.

1512728

RUSH

ARCADIS
Infrastructure · Water · Environment · Buildings

ID#:

CHAIN OF CUSTODY & LABORATORY ANALYSIS REQUEST FORM

Page 1 of 1

Lab Work Order #

Send Results to:

Contact & Company Name: Erik Mantor / Arcadis
Telephone: 415-407-2342
Address: on File
Fax:
City State Zip
E-mail Address: erik.mantor@arcadis.com
Project Name/Location (City, State): OBP
Project #: GP09BPNA.C105.K0008
Sampler's Printed Name: Miguel Gomez
Sampler's Signature:

Sample ID	Collection Date	Collection Time	Type (✓) Comp	Type (✓) Grab	Matrix	Preservative	Filtered (✓)	# of Containers	Container Information	BTEX & TPH as Gas (8021/8015) MTBE	TPH as Diesel (8015) + TPH MO w/ GG	Lead	Sulfate %
SVAR FILL	12-15-15	1610		✓	SO	None	—	3	7	X	X	X	X

Keys

Preservation Key:
A. H_2SO_4
B. HCL
C. HNO_3
D. NaOH
E. None
F. Other: _____
G. Other: _____
H. Other: _____

Container Information Key:
1. 40 ml Vial
2. 1 L Amber
3. 250 ml Plastic
4. 500 ml Plastic
5. Encore
6. 2 oz. Glass
7. 4 oz. Glass
8. 8 oz. Glass
9. Other: _____
10. Other: _____

Matrix Key:
SO - Soil
SE - Sediment
NL - NAPL/Oil
W - Water
SL - Sludge
SW - Sample Wipe
T - Tissue
A - Air
Other: _____

REMARKS

Special Instructions/Comments:
1 day TAT

☐ Special QA/QC Instructions(✓):

Laboratory Information and Receipt		Relinquished By	Received By	Relinquished By	Laboratory Received By
Lab Name: McCampbell Analytical, Inc.	Cooler Custody Seal (✓) ☐ Intact ☐ Not Intact	Printed Name: Miguel Gomez	Printed Name: B. CUMMINS	Printed Name: B CUMMINS	Printed Name: ALICIA
☑ Cooler packed with ice (✓)		Signature:	Signature:	Signature:	Signature:
Specify Turnaround Requirements: 1 day RUSH	Sample Receipt:	Firm: Arcadis	Firm/Courier: MAI	Firm/Courier: MAI	Firm: MAI
Shipping Tracking #:	Condition/Cooler Temp: _____	Date/Time: 12-16-15	Date/Time: 12-16-15 1745	Date/Time: 12-16-15 1745	Date/Time: 12/16/15 1745

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Sample Receipt Checklist

Client Name:	**ARCADIS US, INC.**	Date and Time Received:	**12/16/2015 17:45**
Project Name:	**GP09BPNA.C105.K0000; OBP**	Date Logged:	**12/16/2015**
WorkOrder №:	**1512728** Matrix: Soil	Received by:	Jena Alfaro
Carrier:	Bernie Cummins (MAI Courier)	Logged by:	Jena Alfaro

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: 1°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 ☑

** NOTE: If the "No" box is checked, see comments below.*

Comments:

ATTACHMENT F

EXCAVATION SOIL SAMPLE LABORATORY REPORTS

McCampbell Analytical, Inc.

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Analytical Report

WorkOrder: 1609601

Report Created for: ERAS Environmental, Inc.

1533 B Street
Hayward, CA 94541

Project Contact: Dave Siegel
Project P.O.:
Project Name: 14-002; 3037 Adeline St, Oakland

Project Received: 09/14/2016

Analytical Report reviewed & approved for release on 09/21/2016 by:

Angela Rydelius,
Laboratory Manager

McCampbell Analytical, Inc.
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Glossary of Terms & Qualifier Definitions

Client: ERAS Environmental, Inc.
Project: 14-002; 3037 Adeline St, Oakland
WorkOrder: 1609601

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)

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Glossary of Terms & Qualifier Definitions

Client: ERAS Environmental, Inc.
Project: 14-002; 3037 Adeline St, Oakland
WorkOrder: 1609601

Analytical Qualifiers

S	Surrogate spike recovery outside accepted recovery limits
a3	sample diluted due to high organic content.
a4	reporting limits raised due to the sample's matrix prohibiting a full volume extraction.
c1	surrogate recovery outside of the control limits due to the dilution of the sample.
c2	surrogate recovery outside of the control limits due to matrix interference.
c7	Surrogate value diluted out of range
d7	strongly aged gasoline or diesel range compounds are significant in the TPH(g) chromatogram
e2	diesel range compounds are significant; no recognizable pattern
e7	oil range compounds are significant

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Analytical Report

Client:	ERAS Environmental, Inc.	**WorkOrder:**	1609601
Date Received:	9/14/16 15:30	**Extraction Method:**	SW5030B
Date Prepared:	9/14/16	**Analytical Method:**	SW8260B
Project:	14-002; 3037 Adeline St, Oakland	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-1	**1609601-001A**	**Soil**	**09/14/2016 12:08**	**GC18**	**126570**

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	5.0	50	09/21/2016 01:06
tert-Amyl methyl ether (TAME)	ND	0.25	50	09/21/2016 01:06
Benzene	ND	0.25	50	09/21/2016 01:06
Bromobenzene	ND	0.25	50	09/21/2016 01:06
Bromochloromethane	ND	0.25	50	09/21/2016 01:06
Bromodichloromethane	ND	0.25	50	09/21/2016 01:06
Bromoform	ND	0.25	50	09/21/2016 01:06
Bromomethane	ND	0.25	50	09/21/2016 01:06
2-Butanone (MEK)	ND	1.0	50	09/21/2016 01:06
t-Butyl alcohol (TBA)	ND	2.5	50	09/21/2016 01:06
n-Butyl benzene	**0.29**	0.25	50	09/21/2016 01:06
sec-Butyl benzene	ND	0.25	50	09/21/2016 01:06
tert-Butyl benzene	ND	0.25	50	09/21/2016 01:06
Carbon Disulfide	ND	0.25	50	09/21/2016 01:06
Carbon Tetrachloride	ND	0.25	50	09/21/2016 01:06
Chlorobenzene	ND	0.25	50	09/21/2016 01:06
Chloroethane	ND	0.25	50	09/21/2016 01:06
Chloroform	ND	0.25	50	09/21/2016 01:06
Chloromethane	ND	0.25	50	09/21/2016 01:06
2-Chlorotoluene	ND	0.25	50	09/21/2016 01:06
4-Chlorotoluene	ND	0.25	50	09/21/2016 01:06
Dibromochloromethane	ND	0.25	50	09/21/2016 01:06
1,2-Dibromo-3-chloropropane	ND	0.20	50	09/21/2016 01:06
1,2-Dibromoethane (EDB)	ND	0.20	50	09/21/2016 01:06
Dibromomethane	ND	0.25	50	09/21/2016 01:06
1,2-Dichlorobenzene	ND	0.25	50	09/21/2016 01:06
1,3-Dichlorobenzene	ND	0.25	50	09/21/2016 01:06
1,4-Dichlorobenzene	ND	0.25	50	09/21/2016 01:06
Dichlorodifluoromethane	ND	0.25	50	09/21/2016 01:06
1,1-Dichloroethane	ND	0.25	50	09/21/2016 01:06
1,2-Dichloroethane (1,2-DCA)	ND	0.20	50	09/21/2016 01:06
1,1-Dichloroethene	ND	0.25	50	09/21/2016 01:06
cis-1,2-Dichloroethene	ND	0.25	50	09/21/2016 01:06
trans-1,2-Dichloroethene	ND	0.25	50	09/21/2016 01:06
1,2-Dichloropropane	ND	0.25	50	09/21/2016 01:06
1,3-Dichloropropane	ND	0.25	50	09/21/2016 01:06
2,2-Dichloropropane	ND	0.25	50	09/21/2016 01:06

(Cont.)

NELAP 4033ORELAP

Angela Rydelius, Lab Manager

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Analytical Report

Client:	ERAS Environmental, Inc.	**WorkOrder:**	1609601
Date Received:	9/14/16 15:30	**Extraction Method:**	SW5030B
Date Prepared:	9/14/16	**Analytical Method:**	SW8260B
Project:	14-002; 3037 Adeline St, Oakland	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-1	**1609601-001A**	**Soil**	**09/14/2016 12:08**	**GC18**	**126570**

Analytes	Result	RL	DF	Date Analyzed
1,1-Dichloropropene	ND	0.25	50	09/21/2016 01:06
cis-1,3-Dichloropropene	ND	0.25	50	09/21/2016 01:06
trans-1,3-Dichloropropene	ND	0.25	50	09/21/2016 01:06
Diisopropyl ether (DIPE)	ND	0.25	50	09/21/2016 01:06
Ethylbenzene	ND	0.25	50	09/21/2016 01:06
Ethyl tert-butyl ether (ETBE)	ND	0.25	50	09/21/2016 01:06
Freon 113	ND	0.25	50	09/21/2016 01:06
Hexachlorobutadiene	ND	0.25	50	09/21/2016 01:06
Hexachloroethane	ND	0.25	50	09/21/2016 01:06
2-Hexanone	ND	0.25	50	09/21/2016 01:06
Isopropylbenzene	ND	0.25	50	09/21/2016 01:06
4-Isopropyl toluene	ND	0.25	50	09/21/2016 01:06
Methyl-t-butyl ether (MTBE)	ND	0.25	50	09/21/2016 01:06
Methylene chloride	ND	0.25	50	09/21/2016 01:06
4-Methyl-2-pentanone (MIBK)	ND	0.25	50	09/21/2016 01:06
Naphthalene	**4.7**	0.25	50	09/21/2016 01:06
n-Propyl benzene	ND	0.25	50	09/21/2016 01:06
Styrene	ND	0.25	50	09/21/2016 01:06
1,1,1,2-Tetrachloroethane	ND	0.25	50	09/21/2016 01:06
1,1,2,2-Tetrachloroethane	ND	0.25	50	09/21/2016 01:06
Tetrachloroethene	ND	0.25	50	09/21/2016 01:06
Toluene	ND	0.25	50	09/21/2016 01:06
1,2,3-Trichlorobenzene	ND	0.25	50	09/21/2016 01:06
1,2,4-Trichlorobenzene	ND	0.25	50	09/21/2016 01:06
1,1,1-Trichloroethane	ND	0.25	50	09/21/2016 01:06
1,1,2-Trichloroethane	ND	0.25	50	09/21/2016 01:06
Trichloroethene	ND	0.25	50	09/21/2016 01:06
Trichlorofluoromethane	ND	0.25	50	09/21/2016 01:06
1,2,3-Trichloropropane	ND	0.25	50	09/21/2016 01:06
1,2,4-Trimethylbenzene	ND	0.25	50	09/21/2016 01:06
1,3,5-Trimethylbenzene	ND	0.25	50	09/21/2016 01:06
Vinyl Chloride	ND	0.25	50	09/21/2016 01:06
Xylenes, Total	ND	0.25	50	09/21/2016 01:06

(Cont.)

NELAP 4033ORELAP

Angela Rydelius, Lab Manager

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Analytical Report

Client:	ERAS Environmental, Inc.	**WorkOrder:**	1609601
Date Received:	9/14/16 15:30	**Extraction Method:**	SW5030B
Date Prepared:	9/14/16	**Analytical Method:**	SW8260B
Project:	14-002; 3037 Adeline St, Oakland	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-1	**1609601-001A**	**Soil**	**09/14/2016 12:08**	**GC18**	**126570**

Analytes	Result		RL	DF	Date Analyzed
Surrogates	REC (%)	Qualifiers	Limits		
Dibromofluoromethane	99		70-130		09/21/2016 01:06
Toluene-d8	94		70-130		09/21/2016 01:06
4-BFB	97		70-130		09/21/2016 01:06
Benzene-d6	92		60-140		09/21/2016 01:06
Ethylbenzene-d10	0	S	60-140		09/21/2016 01:06
1,2-DCB-d4	88		60-140		09/21/2016 01:06

Analyst(s): HK Analytical Comments: c2

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Analytical Report

Client:	ERAS Environmental, Inc.	**WorkOrder:**	1609601
Date Received:	9/14/16 15:30	**Extraction Method:**	SW5030B
Date Prepared:	9/14/16	**Analytical Method:**	SW8260B
Project:	14-002; 3037 Adeline St, Oakland	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-2	1609601-002A	Soil	09/14/2016 12:10	GC10	126570

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	4.0	40	09/16/2016 13:13
tert-Amyl methyl ether (TAME)	ND	0.20	40	09/16/2016 13:13
Benzene	ND	0.20	40	09/16/2016 13:13
Bromobenzene	ND	0.20	40	09/16/2016 13:13
Bromochloromethane	ND	0.20	40	09/16/2016 13:13
Bromodichloromethane	ND	0.20	40	09/16/2016 13:13
Bromoform	ND	0.20	40	09/16/2016 13:13
Bromomethane	ND	0.20	40	09/16/2016 13:13
2-Butanone (MEK)	ND	0.80	40	09/16/2016 13:13
t-Butyl alcohol (TBA)	ND	2.0	40	09/16/2016 13:13
n-Butyl benzene	ND	0.20	40	09/16/2016 13:13
sec-Butyl benzene	ND	0.20	40	09/16/2016 13:13
tert-Butyl benzene	ND	0.20	40	09/16/2016 13:13
Carbon Disulfide	ND	0.20	40	09/16/2016 13:13
Carbon Tetrachloride	ND	0.20	40	09/16/2016 13:13
Chlorobenzene	ND	0.20	40	09/16/2016 13:13
Chloroethane	ND	0.20	40	09/16/2016 13:13
Chloroform	ND	0.20	40	09/16/2016 13:13
Chloromethane	ND	0.20	40	09/16/2016 13:13
2-Chlorotoluene	ND	0.20	40	09/16/2016 13:13
4-Chlorotoluene	ND	0.20	40	09/16/2016 13:13
Dibromochloromethane	ND	0.20	40	09/16/2016 13:13
1,2-Dibromo-3-chloropropane	ND	0.16	40	09/16/2016 13:13
1,2-Dibromoethane (EDB)	ND	0.16	40	09/16/2016 13:13
Dibromomethane	ND	0.20	40	09/16/2016 13:13
1,2-Dichlorobenzene	ND	0.20	40	09/16/2016 13:13
1,3-Dichlorobenzene	ND	0.20	40	09/16/2016 13:13
1,4-Dichlorobenzene	ND	0.20	40	09/16/2016 13:13
Dichlorodifluoromethane	ND	0.20	40	09/16/2016 13:13
1,1-Dichloroethane	ND	0.20	40	09/16/2016 13:13
1,2-Dichloroethane (1,2-DCA)	ND	0.16	40	09/16/2016 13:13
1,1-Dichloroethene	ND	0.20	40	09/16/2016 13:13
cis-1,2-Dichloroethene	ND	0.20	40	09/16/2016 13:13
trans-1,2-Dichloroethene	ND	0.20	40	09/16/2016 13:13
1,2-Dichloropropane	ND	0.20	40	09/16/2016 13:13
1,3-Dichloropropane	ND	0.20	40	09/16/2016 13:13
2,2-Dichloropropane	ND	0.20	40	09/16/2016 13:13

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Analytical Report

Client:	ERAS Environmental, Inc.	**WorkOrder:**	1609601
Date Received:	9/14/16 15:30	**Extraction Method:**	SW5030B
Date Prepared:	9/14/16	**Analytical Method:**	SW8260B
Project:	14-002; 3037 Adeline St, Oakland	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-2	**1609601-002A**	**Soil**	**09/14/2016 12:10**	**GC10**	**126570**

Analytes	Result	RL	DF	Date Analyzed
1,1-Dichloropropene	ND	0.20	40	09/16/2016 13:13
cis-1,3-Dichloropropene	ND	0.20	40	09/16/2016 13:13
trans-1,3-Dichloropropene	ND	0.20	40	09/16/2016 13:13
Diisopropyl ether (DIPE)	ND	0.20	40	09/16/2016 13:13
Ethylbenzene	ND	0.20	40	09/16/2016 13:13
Ethyl tert-butyl ether (ETBE)	ND	0.20	40	09/16/2016 13:13
Freon 113	ND	0.20	40	09/16/2016 13:13
Hexachlorobutadiene	ND	0.20	40	09/16/2016 13:13
Hexachloroethane	ND	0.20	40	09/16/2016 13:13
2-Hexanone	ND	0.20	40	09/16/2016 13:13
Isopropylbenzene	ND	0.20	40	09/16/2016 13:13
4-Isopropyl toluene	ND	0.20	40	09/16/2016 13:13
Methyl-t-butyl ether (MTBE)	ND	0.20	40	09/16/2016 13:13
Methylene chloride	ND	0.20	40	09/16/2016 13:13
4-Methyl-2-pentanone (MIBK)	ND	0.20	40	09/16/2016 13:13
Naphthalene	**3.7**	0.20	40	09/16/2016 13:13
n-Propyl benzene	ND	0.20	40	09/16/2016 13:13
Styrene	ND	0.20	40	09/16/2016 13:13
1,1,1,2-Tetrachloroethane	ND	0.20	40	09/16/2016 13:13
1,1,2,2-Tetrachloroethane	ND	0.20	40	09/16/2016 13:13
Tetrachloroethene	ND	0.20	40	09/16/2016 13:13
Toluene	ND	0.20	40	09/16/2016 13:13
1,2,3-Trichlorobenzene	ND	0.20	40	09/16/2016 13:13
1,2,4-Trichlorobenzene	ND	0.20	40	09/16/2016 13:13
1,1,1-Trichloroethane	ND	0.20	40	09/16/2016 13:13
1,1,2-Trichloroethane	ND	0.20	40	09/16/2016 13:13
Trichloroethene	ND	0.20	40	09/16/2016 13:13
Trichlorofluoromethane	ND	0.20	40	09/16/2016 13:13
1,2,3-Trichloropropane	ND	0.20	40	09/16/2016 13:13
1,2,4-Trimethylbenzene	ND	0.20	40	09/16/2016 13:13
1,3,5-Trimethylbenzene	ND	0.20	40	09/16/2016 13:13
Vinyl Chloride	ND	0.20	40	09/16/2016 13:13
Xylenes, Total	ND	0.20	40	09/16/2016 13:13

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Analytical Report

Client:	ERAS Environmental, Inc.	**WorkOrder:**	1609601
Date Received:	9/14/16 15:30	**Extraction Method:**	SW5030B
Date Prepared:	9/14/16	**Analytical Method:**	SW8260B
Project:	14-002; 3037 Adeline St, Oakland	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-2	**1609601-002A**	**Soil**	**09/14/2016 12:10**	**GC10**	**126570**

Analytes	Result		RL	DF	Date Analyzed
Surrogates	REC (%)	Qualifiers	Limits		
Dibromofluoromethane	102		70-130		09/16/2016 13:13
Toluene-d8	102		70-130		09/16/2016 13:13
4-BFB	140	S	70-130		09/16/2016 13:13
Benzene-d6	100		60-140		09/16/2016 13:13
Ethylbenzene-d10	51	S	60-140		09/16/2016 13:13
1,2-DCB-d4	101		60-140		09/16/2016 13:13

Analyst(s): KF Analytical Comments: c7

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Analytical Report

Client:	ERAS Environmental, Inc.	**WorkOrder:**	1609601
Date Received:	9/14/16 15:30	**Extraction Method:**	SW5030B
Date Prepared:	9/14/16	**Analytical Method:**	SW8260B
Project:	14-002; 3037 Adeline St, Oakland	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-3	1609601-003A	Soil	09/14/2016 12:13	GC10	126570

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	4.0	40	09/16/2016 13:53
tert-Amyl methyl ether (TAME)	ND	0.20	40	09/16/2016 13:53
Benzene	ND	0.20	40	09/16/2016 13:53
Bromobenzene	ND	0.20	40	09/16/2016 13:53
Bromochloromethane	ND	0.20	40	09/16/2016 13:53
Bromodichloromethane	ND	0.20	40	09/16/2016 13:53
Bromoform	ND	0.20	40	09/16/2016 13:53
Bromomethane	ND	0.20	40	09/16/2016 13:53
2-Butanone (MEK)	ND	0.80	40	09/16/2016 13:53
t-Butyl alcohol (TBA)	ND	2.0	40	09/16/2016 13:53
n-Butyl benzene	ND	0.20	40	09/16/2016 13:53
sec-Butyl benzene	ND	0.20	40	09/16/2016 13:53
tert-Butyl benzene	ND	0.20	40	09/16/2016 13:53
Carbon Disulfide	ND	0.20	40	09/16/2016 13:53
Carbon Tetrachloride	ND	0.20	40	09/16/2016 13:53
Chlorobenzene	ND	0.20	40	09/16/2016 13:53
Chloroethane	ND	0.20	40	09/16/2016 13:53
Chloroform	ND	0.20	40	09/16/2016 13:53
Chloromethane	ND	0.20	40	09/16/2016 13:53
2-Chlorotoluene	ND	0.20	40	09/16/2016 13:53
4-Chlorotoluene	ND	0.20	40	09/16/2016 13:53
Dibromochloromethane	ND	0.20	40	09/16/2016 13:53
1,2-Dibromo-3-chloropropane	ND	0.16	40	09/16/2016 13:53
1,2-Dibromoethane (EDB)	ND	0.16	40	09/16/2016 13:53
Dibromomethane	ND	0.20	40	09/16/2016 13:53
1,2-Dichlorobenzene	ND	0.20	40	09/16/2016 13:53
1,3-Dichlorobenzene	ND	0.20	40	09/16/2016 13:53
1,4-Dichlorobenzene	ND	0.20	40	09/16/2016 13:53
Dichlorodifluoromethane	ND	0.20	40	09/16/2016 13:53
1,1-Dichloroethane	ND	0.20	40	09/16/2016 13:53
1,2-Dichloroethane (1,2-DCA)	ND	0.16	40	09/16/2016 13:53
1,1-Dichloroethene	ND	0.20	40	09/16/2016 13:53
cis-1,2-Dichloroethene	ND	0.20	40	09/16/2016 13:53
trans-1,2-Dichloroethene	ND	0.20	40	09/16/2016 13:53
1,2-Dichloropropane	ND	0.20	40	09/16/2016 13:53
1,3-Dichloropropane	ND	0.20	40	09/16/2016 13:53
2,2-Dichloropropane	ND	0.20	40	09/16/2016 13:53

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Analytical Report

Client:	ERAS Environmental, Inc.	**WorkOrder:**	1609601
Date Received:	9/14/16 15:30	**Extraction Method:**	SW5030B
Date Prepared:	9/14/16	**Analytical Method:**	SW8260B
Project:	14-002; 3037 Adeline St, Oakland	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-3	1609601-003A	Soil	09/14/2016 12:13	GC10	126570

Analytes	Result	RL	DF	Date Analyzed
1,1-Dichloropropene	ND	0.20	40	09/16/2016 13:53
cis-1,3-Dichloropropene	ND	0.20	40	09/16/2016 13:53
trans-1,3-Dichloropropene	ND	0.20	40	09/16/2016 13:53
Diisopropyl ether (DIPE)	ND	0.20	40	09/16/2016 13:53
Ethylbenzene	ND	0.20	40	09/16/2016 13:53
Ethyl tert-butyl ether (ETBE)	ND	0.20	40	09/16/2016 13:53
Freon 113	ND	0.20	40	09/16/2016 13:53
Hexachlorobutadiene	ND	0.20	40	09/16/2016 13:53
Hexachloroethane	ND	0.20	40	09/16/2016 13:53
2-Hexanone	ND	0.20	40	09/16/2016 13:53
Isopropylbenzene	ND	0.20	40	09/16/2016 13:53
4-Isopropyl toluene	ND	0.20	40	09/16/2016 13:53
Methyl-t-butyl ether (MTBE)	ND	0.20	40	09/16/2016 13:53
Methylene chloride	ND	0.20	40	09/16/2016 13:53
4-Methyl-2-pentanone (MIBK)	ND	0.20	40	09/16/2016 13:53
Naphthalene	**3.6**	0.20	40	09/16/2016 13:53
n-Propyl benzene	ND	0.20	40	09/16/2016 13:53
Styrene	ND	0.20	40	09/16/2016 13:53
1,1,1,2-Tetrachloroethane	ND	0.20	40	09/16/2016 13:53
1,1,2,2-Tetrachloroethane	ND	0.20	40	09/16/2016 13:53
Tetrachloroethene	ND	0.20	40	09/16/2016 13:53
Toluene	ND	0.20	40	09/16/2016 13:53
1,2,3-Trichlorobenzene	ND	0.20	40	09/16/2016 13:53
1,2,4-Trichlorobenzene	ND	0.20	40	09/16/2016 13:53
1,1,1-Trichloroethane	ND	0.20	40	09/16/2016 13:53
1,1,2-Trichloroethane	ND	0.20	40	09/16/2016 13:53
Trichloroethene	ND	0.20	40	09/16/2016 13:53
Trichlorofluoromethane	ND	0.20	40	09/16/2016 13:53
1,2,3-Trichloropropane	ND	0.20	40	09/16/2016 13:53
1,2,4-Trimethylbenzene	ND	0.20	40	09/16/2016 13:53
1,3,5-Trimethylbenzene	ND	0.20	40	09/16/2016 13:53
Vinyl Chloride	ND	0.20	40	09/16/2016 13:53
Xylenes, Total	ND	0.20	40	09/16/2016 13:53

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Analytical Report

Client:	ERAS Environmental, Inc.	**WorkOrder:**	1609601
Date Received:	9/14/16 15:30	**Extraction Method:**	SW5030B
Date Prepared:	9/14/16	**Analytical Method:**	SW8260B
Project:	14-002; 3037 Adeline St, Oakland	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-3	**1609601-003A**	**Soil**	**09/14/2016 12:13**	**GC10**	**126570**

Analytes	Result		RL	DF	Date Analyzed
Surrogates	REC (%)	Qualifiers	Limits		
Dibromofluoromethane	104		70-130		09/16/2016 13:53
Toluene-d8	102		70-130		09/16/2016 13:53
4-BFB	143	S	70-130		09/16/2016 13:53
Benzene-d6	93		60-140		09/16/2016 13:53
Ethylbenzene-d10	42	S	60-140		09/16/2016 13:53
1,2-DCB-d4	100		60-140		09/16/2016 13:53

Analyst(s): KF Analytical Comments: c7

(Cont.)

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Analytical Report

Client:	ERAS Environmental, Inc.	**WorkOrder:**	1609601
Date Received:	9/14/16 15:30	**Extraction Method:**	SW5030B
Date Prepared:	9/14/16	**Analytical Method:**	SW8260B
Project:	14-002; 3037 Adeline St, Oakland	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-4	1609601-004A	Soil	09/14/2016 12:16	GC10	126570

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	4.0	40	09/16/2016 14:33
tert-Amyl methyl ether (TAME)	ND	0.20	40	09/16/2016 14:33
Benzene	ND	0.20	40	09/16/2016 14:33
Bromobenzene	ND	0.20	40	09/16/2016 14:33
Bromochloromethane	ND	0.20	40	09/16/2016 14:33
Bromodichloromethane	ND	0.20	40	09/16/2016 14:33
Bromoform	ND	0.20	40	09/16/2016 14:33
Bromomethane	ND	0.20	40	09/16/2016 14:33
2-Butanone (MEK)	ND	0.80	40	09/16/2016 14:33
t-Butyl alcohol (TBA)	ND	2.0	40	09/16/2016 14:33
n-Butyl benzene	ND	0.20	40	09/16/2016 14:33
sec-Butyl benzene	ND	0.20	40	09/16/2016 14:33
tert-Butyl benzene	ND	0.20	40	09/16/2016 14:33
Carbon Disulfide	ND	0.20	40	09/16/2016 14:33
Carbon Tetrachloride	ND	0.20	40	09/16/2016 14:33
Chlorobenzene	ND	0.20	40	09/16/2016 14:33
Chloroethane	ND	0.20	40	09/16/2016 14:33
Chloroform	ND	0.20	40	09/16/2016 14:33
Chloromethane	ND	0.20	40	09/16/2016 14:33
2-Chlorotoluene	ND	0.20	40	09/16/2016 14:33
4-Chlorotoluene	ND	0.20	40	09/16/2016 14:33
Dibromochloromethane	ND	0.20	40	09/16/2016 14:33
1,2-Dibromo-3-chloropropane	ND	0.16	40	09/16/2016 14:33
1,2-Dibromoethane (EDB)	ND	0.16	40	09/16/2016 14:33
Dibromomethane	ND	0.20	40	09/16/2016 14:33
1,2-Dichlorobenzene	ND	0.20	40	09/16/2016 14:33
1,3-Dichlorobenzene	ND	0.20	40	09/16/2016 14:33
1,4-Dichlorobenzene	ND	0.20	40	09/16/2016 14:33
Dichlorodifluoromethane	ND	0.20	40	09/16/2016 14:33
1,1-Dichloroethane	ND	0.20	40	09/16/2016 14:33
1,2-Dichloroethane (1,2-DCA)	ND	0.16	40	09/16/2016 14:33
1,1-Dichloroethene	ND	0.20	40	09/16/2016 14:33
cis-1,2-Dichloroethene	ND	0.20	40	09/16/2016 14:33
trans-1,2-Dichloroethene	ND	0.20	40	09/16/2016 14:33
1,2-Dichloropropane	ND	0.20	40	09/16/2016 14:33
1,3-Dichloropropane	ND	0.20	40	09/16/2016 14:33
2,2-Dichloropropane	ND	0.20	40	09/16/2016 14:33

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Analytical Report

Client:	ERAS Environmental, Inc.	**WorkOrder:**	1609601
Date Received:	9/14/16 15:30	**Extraction Method:**	SW5030B
Date Prepared:	9/14/16	**Analytical Method:**	SW8260B
Project:	14-002; 3037 Adeline St, Oakland	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-4	**1609601-004A**	**Soil**	**09/14/2016 12:16**	**GC10**	**126570**

Analytes	Result	RL	DF	Date Analyzed
1,1-Dichloropropene	ND	0.20	40	09/16/2016 14:33
cis-1,3-Dichloropropene	ND	0.20	40	09/16/2016 14:33
trans-1,3-Dichloropropene	ND	0.20	40	09/16/2016 14:33
Diisopropyl ether (DIPE)	ND	0.20	40	09/16/2016 14:33
Ethylbenzene	ND	0.20	40	09/16/2016 14:33
Ethyl tert-butyl ether (ETBE)	ND	0.20	40	09/16/2016 14:33
Freon 113	ND	0.20	40	09/16/2016 14:33
Hexachlorobutadiene	ND	0.20	40	09/16/2016 14:33
Hexachloroethane	ND	0.20	40	09/16/2016 14:33
2-Hexanone	ND	0.20	40	09/16/2016 14:33
Isopropylbenzene	ND	0.20	40	09/16/2016 14:33
4-Isopropyl toluene	ND	0.20	40	09/16/2016 14:33
Methyl-t-butyl ether (MTBE)	ND	0.20	40	09/16/2016 14:33
Methylene chloride	ND	0.20	40	09/16/2016 14:33
4-Methyl-2-pentanone (MIBK)	ND	0.20	40	09/16/2016 14:33
Naphthalene	**3.9**	0.20	40	09/16/2016 14:33
n-Propyl benzene	ND	0.20	40	09/16/2016 14:33
Styrene	ND	0.20	40	09/16/2016 14:33
1,1,1,2-Tetrachloroethane	ND	0.20	40	09/16/2016 14:33
1,1,2,2-Tetrachloroethane	ND	0.20	40	09/16/2016 14:33
Tetrachloroethene	ND	0.20	40	09/16/2016 14:33
Toluene	ND	0.20	40	09/16/2016 14:33
1,2,3-Trichlorobenzene	ND	0.20	40	09/16/2016 14:33
1,2,4-Trichlorobenzene	ND	0.20	40	09/16/2016 14:33
1,1,1-Trichloroethane	ND	0.20	40	09/16/2016 14:33
1,1,2-Trichloroethane	ND	0.20	40	09/16/2016 14:33
Trichloroethene	ND	0.20	40	09/16/2016 14:33
Trichlorofluoromethane	ND	0.20	40	09/16/2016 14:33
1,2,3-Trichloropropane	ND	0.20	40	09/16/2016 14:33
1,2,4-Trimethylbenzene	ND	0.20	40	09/16/2016 14:33
1,3,5-Trimethylbenzene	ND	0.20	40	09/16/2016 14:33
Vinyl Chloride	ND	0.20	40	09/16/2016 14:33
Xylenes, Total	ND	0.20	40	09/16/2016 14:33

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http://www.mccampbell.com / E-mail: main@mccampbell.com

Analytical Report

Client:	ERAS Environmental, Inc.	**WorkOrder:**	1609601
Date Received:	9/14/16 15:30	**Extraction Method:**	SW5030B
Date Prepared:	9/14/16	**Analytical Method:**	SW8260B
Project:	14-002; 3037 Adeline St, Oakland	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-4	**1609601-004A**	**Soil**	**09/14/2016 12:16**	**GC10**	**126570**

Analytes	Result		RL	DF	Date Analyzed
Surrogates	REC (%)	Qualifiers	Limits		
Dibromofluoromethane	103		70-130		09/16/2016 14:33
Toluene-d8	101		70-130		09/16/2016 14:33
4-BFB	134	S	70-130		09/16/2016 14:33
Benzene-d6	94		60-140		09/16/2016 14:33
Ethylbenzene-d10	48	S	60-140		09/16/2016 14:33
1,2-DCB-d4	117		60-140		09/16/2016 14:33

Analyst(s): KF Analytical Comments: c7

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Analytical Report

Client:	ERAS Environmental, Inc.	**WorkOrder:**	1609601
Date Received:	9/14/16 15:30	**Extraction Method:**	SW5030B
Date Prepared:	9/14/16	**Analytical Method:**	SW8260B
Project:	14-002; 3037 Adeline St, Oakland	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-5	1609601-005A	Soil	09/14/2016 12:19	GC10	126570

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	4.0	40	09/16/2016 15:17
tert-Amyl methyl ether (TAME)	ND	0.20	40	09/16/2016 15:17
Benzene	ND	0.20	40	09/16/2016 15:17
Bromobenzene	ND	0.20	40	09/16/2016 15:17
Bromochloromethane	ND	0.20	40	09/16/2016 15:17
Bromodichloromethane	ND	0.20	40	09/16/2016 15:17
Bromoform	ND	0.20	40	09/16/2016 15:17
Bromomethane	ND	0.20	40	09/16/2016 15:17
2-Butanone (MEK)	ND	0.80	40	09/16/2016 15:17
t-Butyl alcohol (TBA)	ND	2.0	40	09/16/2016 15:17
n-Butyl benzene	ND	0.20	40	09/16/2016 15:17
sec-Butyl benzene	ND	0.20	40	09/16/2016 15:17
tert-Butyl benzene	ND	0.20	40	09/16/2016 15:17
Carbon Disulfide	ND	0.20	40	09/16/2016 15:17
Carbon Tetrachloride	ND	0.20	40	09/16/2016 15:17
Chlorobenzene	ND	0.20	40	09/16/2016 15:17
Chloroethane	ND	0.20	40	09/16/2016 15:17
Chloroform	ND	0.20	40	09/16/2016 15:17
Chloromethane	ND	0.20	40	09/16/2016 15:17
2-Chlorotoluene	ND	0.20	40	09/16/2016 15:17
4-Chlorotoluene	ND	0.20	40	09/16/2016 15:17
Dibromochloromethane	ND	0.20	40	09/16/2016 15:17
1,2-Dibromo-3-chloropropane	ND	0.16	40	09/16/2016 15:17
1,2-Dibromoethane (EDB)	ND	0.16	40	09/16/2016 15:17
Dibromomethane	ND	0.20	40	09/16/2016 15:17
1,2-Dichlorobenzene	ND	0.20	40	09/16/2016 15:17
1,3-Dichlorobenzene	ND	0.20	40	09/16/2016 15:17
1,4-Dichlorobenzene	ND	0.20	40	09/16/2016 15:17
Dichlorodifluoromethane	ND	0.20	40	09/16/2016 15:17
1,1-Dichloroethane	ND	0.20	40	09/16/2016 15:17
1,2-Dichloroethane (1,2-DCA)	ND	0.16	40	09/16/2016 15:17
1,1-Dichloroethene	ND	0.20	40	09/16/2016 15:17
cis-1,2-Dichloroethene	ND	0.20	40	09/16/2016 15:17
trans-1,2-Dichloroethene	ND	0.20	40	09/16/2016 15:17
1,2-Dichloropropane	ND	0.20	40	09/16/2016 15:17
1,3-Dichloropropane	ND	0.20	40	09/16/2016 15:17
2,2-Dichloropropane	ND	0.20	40	09/16/2016 15:17

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Analytical Report

Client:	ERAS Environmental, Inc.	**WorkOrder:**	1609601
Date Received:	9/14/16 15:30	**Extraction Method:**	SW5030B
Date Prepared:	9/14/16	**Analytical Method:**	SW8260B
Project:	14-002; 3037 Adeline St, Oakland	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-5	**1609601-005A**	**Soil**	**09/14/2016 12:19**	**GC10**	**126570**

Analytes	Result	RL	DF	Date Analyzed
1,1-Dichloropropene	ND	0.20	40	09/16/2016 15:17
cis-1,3-Dichloropropene	ND	0.20	40	09/16/2016 15:17
trans-1,3-Dichloropropene	ND	0.20	40	09/16/2016 15:17
Diisopropyl ether (DIPE)	ND	0.20	40	09/16/2016 15:17
Ethylbenzene	ND	0.20	40	09/16/2016 15:17
Ethyl tert-butyl ether (ETBE)	ND	0.20	40	09/16/2016 15:17
Freon 113	ND	0.20	40	09/16/2016 15:17
Hexachlorobutadiene	ND	0.20	40	09/16/2016 15:17
Hexachloroethane	ND	0.20	40	09/16/2016 15:17
2-Hexanone	ND	0.20	40	09/16/2016 15:17
Isopropylbenzene	ND	0.20	40	09/16/2016 15:17
4-Isopropyl toluene	ND	0.20	40	09/16/2016 15:17
Methyl-t-butyl ether (MTBE)	ND	0.20	40	09/16/2016 15:17
Methylene chloride	ND	0.20	40	09/16/2016 15:17
4-Methyl-2-pentanone (MIBK)	ND	0.20	40	09/16/2016 15:17
Naphthalene	**2.9**	0.20	40	09/16/2016 15:17
n-Propyl benzene	ND	0.20	40	09/16/2016 15:17
Styrene	ND	0.20	40	09/16/2016 15:17
1,1,1,2-Tetrachloroethane	ND	0.20	40	09/16/2016 15:17
1,1,2,2-Tetrachloroethane	ND	0.20	40	09/16/2016 15:17
Tetrachloroethene	ND	0.20	40	09/16/2016 15:17
Toluene	ND	0.20	40	09/16/2016 15:17
1,2,3-Trichlorobenzene	ND	0.20	40	09/16/2016 15:17
1,2,4-Trichlorobenzene	ND	0.20	40	09/16/2016 15:17
1,1,1-Trichloroethane	ND	0.20	40	09/16/2016 15:17
1,1,2-Trichloroethane	ND	0.20	40	09/16/2016 15:17
Trichloroethene	ND	0.20	40	09/16/2016 15:17
Trichlorofluoromethane	ND	0.20	40	09/16/2016 15:17
1,2,3-Trichloropropane	ND	0.20	40	09/16/2016 15:17
1,2,4-Trimethylbenzene	ND	0.20	40	09/16/2016 15:17
1,3,5-Trimethylbenzene	ND	0.20	40	09/16/2016 15:17
Vinyl Chloride	ND	0.20	40	09/16/2016 15:17
Xylenes, Total	ND	0.20	40	09/16/2016 15:17

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Analytical Report

Client:	ERAS Environmental, Inc.	**WorkOrder:**	1609601
Date Received:	9/14/16 15:30	**Extraction Method:**	SW5030B
Date Prepared:	9/14/16	**Analytical Method:**	SW8260B
Project:	14-002; 3037 Adeline St, Oakland	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-5	**1609601-005A**	**Soil**	**09/14/2016 12:19**	**GC10**	**126570**

Analytes	Result		RL	DF	Date Analyzed
Surrogates	REC (%)	Qualifiers	Limits		
Dibromofluoromethane	103		70-130		09/16/2016 15:17
Toluene-d8	101		70-130		09/16/2016 15:17
4-BFB	117		70-130		09/16/2016 15:17
Benzene-d6	99		60-140		09/16/2016 15:17
Ethylbenzene-d10	51	S	60-140		09/16/2016 15:17
1,2-DCB-d4	101		60-140		09/16/2016 15:17

Analyst(s): KF Analytical Comments: c7

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Analytical Report

Client:	ERAS Environmental, Inc.	**WorkOrder:**	1609601
Date Received:	9/14/16 15:30	**Extraction Method:**	SW5030B
Date Prepared:	9/14/16	**Analytical Method:**	SW8260B
Project:	14-002; 3037 Adeline St, Oakland	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-6	**1609601-006A**	**Soil**	**09/14/2016 12:21**	**GC18**	**126570**

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	1.0	10	09/21/2016 01:45
tert-Amyl methyl ether (TAME)	ND	0.050	10	09/21/2016 01:45
Benzene	ND	0.050	10	09/21/2016 01:45
Bromobenzene	ND	0.050	10	09/21/2016 01:45
Bromochloromethane	ND	0.050	10	09/21/2016 01:45
Bromodichloromethane	ND	0.050	10	09/21/2016 01:45
Bromoform	ND	0.050	10	09/21/2016 01:45
Bromomethane	ND	0.050	10	09/21/2016 01:45
2-Butanone (MEK)	ND	0.20	10	09/21/2016 01:45
t-Butyl alcohol (TBA)	ND	0.50	10	09/21/2016 01:45
n-Butyl benzene	**0.35**	0.050	10	09/21/2016 01:45
sec-Butyl benzene	**0.10**	0.050	10	09/21/2016 01:45
tert-Butyl benzene	ND	0.050	10	09/21/2016 01:45
Carbon Disulfide	ND	0.050	10	09/21/2016 01:45
Carbon Tetrachloride	ND	0.050	10	09/21/2016 01:45
Chlorobenzene	ND	0.050	10	09/21/2016 01:45
Chloroethane	ND	0.050	10	09/21/2016 01:45
Chloroform	ND	0.050	10	09/21/2016 01:45
Chloromethane	ND	0.050	10	09/21/2016 01:45
2-Chlorotoluene	ND	0.050	10	09/21/2016 01:45
4-Chlorotoluene	ND	0.050	10	09/21/2016 01:45
Dibromochloromethane	ND	0.050	10	09/21/2016 01:45
1,2-Dibromo-3-chloropropane	ND	0.040	10	09/21/2016 01:45
1,2-Dibromoethane (EDB)	ND	0.040	10	09/21/2016 01:45
Dibromomethane	ND	0.050	10	09/21/2016 01:45
1,2-Dichlorobenzene	ND	0.050	10	09/21/2016 01:45
1,3-Dichlorobenzene	ND	0.050	10	09/21/2016 01:45
1,4-Dichlorobenzene	ND	0.050	10	09/21/2016 01:45
Dichlorodifluoromethane	ND	0.050	10	09/21/2016 01:45
1,1-Dichloroethane	ND	0.050	10	09/21/2016 01:45
1,2-Dichloroethane (1,2-DCA)	ND	0.040	10	09/21/2016 01:45
1,1-Dichloroethene	ND	0.050	10	09/21/2016 01:45
cis-1,2-Dichloroethene	ND	0.050	10	09/21/2016 01:45
trans-1,2-Dichloroethene	ND	0.050	10	09/21/2016 01:45
1,2-Dichloropropane	ND	0.050	10	09/21/2016 01:45
1,3-Dichloropropane	ND	0.050	10	09/21/2016 01:45
2,2-Dichloropropane	ND	0.050	10	09/21/2016 01:45

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Analytical Report

Client:	ERAS Environmental, Inc.	**WorkOrder:**	1609601
Date Received:	9/14/16 15:30	**Extraction Method:**	SW5030B
Date Prepared:	9/14/16	**Analytical Method:**	SW8260B
Project:	14-002; 3037 Adeline St, Oakland	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-6	**1609601-006A**	**Soil**	**09/14/2016 12:21**	**GC18**	**126570**

Analytes	Result	RL	DF	Date Analyzed
1,1-Dichloropropene	ND	0.050	10	09/21/2016 01:45
cis-1,3-Dichloropropene	ND	0.050	10	09/21/2016 01:45
trans-1,3-Dichloropropene	ND	0.050	10	09/21/2016 01:45
Diisopropyl ether (DIPE)	ND	0.050	10	09/21/2016 01:45
Ethylbenzene	ND	0.050	10	09/21/2016 01:45
Ethyl tert-butyl ether (ETBE)	ND	0.050	10	09/21/2016 01:45
Freon 113	ND	0.050	10	09/21/2016 01:45
Hexachlorobutadiene	ND	0.050	10	09/21/2016 01:45
Hexachloroethane	ND	0.050	10	09/21/2016 01:45
2-Hexanone	ND	0.050	10	09/21/2016 01:45
Isopropylbenzene	ND	0.050	10	09/21/2016 01:45
4-Isopropyl toluene	ND	0.050	10	09/21/2016 01:45
Methyl-t-butyl ether (MTBE)	ND	0.050	10	09/21/2016 01:45
Methylene chloride	ND	0.050	10	09/21/2016 01:45
4-Methyl-2-pentanone (MIBK)	ND	0.050	10	09/21/2016 01:45
Naphthalene	**0.94**	0.050	10	09/21/2016 01:45
n-Propyl benzene	**0.099**	0.050	10	09/21/2016 01:45
Styrene	ND	0.050	10	09/21/2016 01:45
1,1,1,2-Tetrachloroethane	ND	0.050	10	09/21/2016 01:45
1,1,2,2-Tetrachloroethane	ND	0.050	10	09/21/2016 01:45
Tetrachloroethene	ND	0.050	10	09/21/2016 01:45
Toluene	ND	0.050	10	09/21/2016 01:45
1,2,3-Trichlorobenzene	ND	0.050	10	09/21/2016 01:45
1,2,4-Trichlorobenzene	ND	0.050	10	09/21/2016 01:45
1,1,1-Trichloroethane	ND	0.050	10	09/21/2016 01:45
1,1,2-Trichloroethane	ND	0.050	10	09/21/2016 01:45
Trichloroethene	ND	0.050	10	09/21/2016 01:45
Trichlorofluoromethane	ND	0.050	10	09/21/2016 01:45
1,2,3-Trichloropropane	ND	0.050	10	09/21/2016 01:45
1,2,4-Trimethylbenzene	ND	0.050	10	09/21/2016 01:45
1,3,5-Trimethylbenzene	ND	0.050	10	09/21/2016 01:45
Vinyl Chloride	ND	0.050	10	09/21/2016 01:45
Xylenes, Total	ND	0.050	10	09/21/2016 01:45

(Cont.)

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Analytical Report

Client:	ERAS Environmental, Inc.	**WorkOrder:**	1609601
Date Received:	9/14/16 15:30	**Extraction Method:**	SW5030B
Date Prepared:	9/14/16	**Analytical Method:**	SW8260B
Project:	14-002; 3037 Adeline St, Oakland	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-6	**1609601-006A**	**Soil**	**09/14/2016 12:21**	**GC18**	**126570**

Analytes	Result	RL	DF	Date Analyzed
Surrogates	REC (%)	Limits		
Dibromofluoromethane	93	70-130		09/21/2016 01:45
Toluene-d8	98	70-130		09/21/2016 01:45
4-BFB	72	70-130		09/21/2016 01:45
Benzene-d6	90	60-140		09/21/2016 01:45
Ethylbenzene-d10	60	60-140		09/21/2016 01:45
1,2-DCB-d4	79	60-140		09/21/2016 01:45

Analyst(s): HK

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Analytical Report

Client:	ERAS Environmental, Inc.	**WorkOrder:**	1609601
Date Received:	9/14/16 15:30	**Extraction Method:**	SW3550B
Date Prepared:	9/15/16	**Analytical Method:**	SW8270C
Project:	14-002; 3037 Adeline St, Oakland	**Unit:**	mg/Kg

Semi-Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-1	1609601-001A	Soil	09/14/2016 12:08	GC21	126630

Analytes	Result	RL	DF	Date Analyzed
Acenaphthene	ND	100	50	09/15/2016 13:25
Acenaphthylene	ND	100	50	09/15/2016 13:25
Acetochlor	ND	100	50	09/15/2016 13:25
Anthracene	ND	100	50	09/15/2016 13:25
Benzidine	ND	520	50	09/15/2016 13:25
Benzo (a) anthracene	ND	100	50	09/15/2016 13:25
Benzo (a) pyrene	ND	100	50	09/15/2016 13:25
Benzo (b) fluoranthene	ND	100	50	09/15/2016 13:25
Benzo (g,h,i) perylene	ND	100	50	09/15/2016 13:25
Benzo (k) fluoranthene	ND	100	50	09/15/2016 13:25
Benzyl Alcohol	ND	520	50	09/15/2016 13:25
1,1-Biphenyl	ND	100	50	09/15/2016 13:25
Bis (2-chloroethoxy) Methane	ND	100	50	09/15/2016 13:25
Bis (2-chloroethyl) Ether	ND	100	50	09/15/2016 13:25
Bis (2-chloroisopropyl) Ether	ND	100	50	09/15/2016 13:25
Bis (2-ethylhexyl) Adipate	ND	100	50	09/15/2016 13:25
Bis (2-ethylhexyl) Phthalate	ND	100	50	09/15/2016 13:25
4-Bromophenyl Phenyl Ether	ND	100	50	09/15/2016 13:25
Butylbenzyl Phthalate	ND	100	50	09/15/2016 13:25
4-Chloroaniline	ND	200	50	09/15/2016 13:25
4-Chloro-3-methylphenol	ND	100	50	09/15/2016 13:25
2-Chloronaphthalene	ND	100	50	09/15/2016 13:25
2-Chlorophenol	ND	100	50	09/15/2016 13:25
4-Chlorophenyl Phenyl Ether	ND	100	50	09/15/2016 13:25
Chrysene	ND	100	50	09/15/2016 13:25
Dibenzo (a,h) anthracene	ND	100	50	09/15/2016 13:25
Dibenzofuran	ND	100	50	09/15/2016 13:25
Di-n-butyl Phthalate	ND	100	50	09/15/2016 13:25
1,2-Dichlorobenzene	ND	100	50	09/15/2016 13:25
1,3-Dichlorobenzene	ND	100	50	09/15/2016 13:25
1,4-Dichlorobenzene	ND	100	50	09/15/2016 13:25
3,3-Dichlorobenzidine	ND	200	50	09/15/2016 13:25
2,4-Dichlorophenol	ND	100	50	09/15/2016 13:25
Diethyl Phthalate	ND	100	50	09/15/2016 13:25
2,4-Dimethylphenol	ND	100	50	09/15/2016 13:25
Dimethyl Phthalate	ND	100	50	09/15/2016 13:25
4,6-Dinitro-2-methylphenol	ND	520	50	09/15/2016 13:25

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Analytical Report

Client:	ERAS Environmental, Inc.	**WorkOrder:**	1609601
Date Received:	9/14/16 15:30	**Extraction Method:**	SW3550B
Date Prepared:	9/15/16	**Analytical Method:**	SW8270C
Project:	14-002; 3037 Adeline St, Oakland	**Unit:**	mg/Kg

Semi-Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-1	**1609601-001A**	**Soil**	**09/14/2016 12:08**	**GC21**	**126630**

Analytes	Result	RL	DF	Date Analyzed
2,4-Dinitrophenol	ND	2500	50	09/15/2016 13:25
2,4-Dinitrotoluene	ND	100	50	09/15/2016 13:25
2,6-Dinitrotoluene	ND	100	50	09/15/2016 13:25
Di-n-octyl Phthalate	ND	200	50	09/15/2016 13:25
1,2-Diphenylhydrazine	ND	100	50	09/15/2016 13:25
Fluoranthene	ND	100	50	09/15/2016 13:25
Fluorene	ND	100	50	09/15/2016 13:25
Hexachlorobenzene	ND	100	50	09/15/2016 13:25
Hexachlorobutadiene	ND	100	50	09/15/2016 13:25
Hexachlorocyclopentadiene	ND	520	50	09/15/2016 13:25
Hexachloroethane	ND	100	50	09/15/2016 13:25
Indeno (1,2,3-cd) pyrene	ND	100	50	09/15/2016 13:25
Isophorone	ND	100	50	09/15/2016 13:25
2-Methylnaphthalene	ND	100	50	09/15/2016 13:25
2-Methylphenol (o-Cresol)	ND	100	50	09/15/2016 13:25
3 & 4-Methylphenol (m,p-Cresol)	ND	100	50	09/15/2016 13:25
Naphthalene	ND	100	50	09/15/2016 13:25
2-Nitroaniline	ND	520	50	09/15/2016 13:25
3-Nitroaniline	ND	520	50	09/15/2016 13:25
4-Nitroaniline	ND	520	50	09/15/2016 13:25
Nitrobenzene	ND	100	50	09/15/2016 13:25
2-Nitrophenol	ND	520	50	09/15/2016 13:25
4-Nitrophenol	ND	520	50	09/15/2016 13:25
N-Nitrosodiphenylamine	ND	100	50	09/15/2016 13:25
N-Nitrosodi-n-propylamine	ND	100	50	09/15/2016 13:25
Pentachlorophenol	ND	520	50	09/15/2016 13:25
Phenanthrene	ND	100	50	09/15/2016 13:25
Phenol	ND	100	50	09/15/2016 13:25
Pyrene	ND	100	50	09/15/2016 13:25
1,2,4-Trichlorobenzene	ND	100	50	09/15/2016 13:25
2,4,5-Trichlorophenol	ND	100	50	09/15/2016 13:25
2,4,6-Trichlorophenol	ND	100	50	09/15/2016 13:25

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Analytical Report

Client:	ERAS Environmental, Inc.	**WorkOrder:**	1609601
Date Received:	9/14/16 15:30	**Extraction Method:**	SW3550B
Date Prepared:	9/15/16	**Analytical Method:**	SW8270C
Project:	14-002; 3037 Adeline St, Oakland	**Unit:**	mg/Kg

Semi-Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-1	**1609601-001A**	**Soil**	**09/14/2016 12:08**	**GC21**	**126630**

Analytes	Result	RL	DF	Date Analyzed
Surrogates	**REC (%)**	**Qualifiers**	**Limits**	
2-Fluorophenol	6	S	30-130	09/15/2016 13:25
Phenol-d5	0	S	30-130	09/15/2016 13:25
Nitrobenzene-d5	33		30-130	09/15/2016 13:25
2-Fluorobiphenyl	4	S	30-130	09/15/2016 13:25
2,4,6-Tribromophenol	21		16-130	09/15/2016 13:25
4-Terphenyl-d14	79		30-130	09/15/2016 13:25

Analyst(s): REB Analytical Comments: a3,a4,c1

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Analytical Report

Client:	ERAS Environmental, Inc.	**WorkOrder:**	1609601
Date Received:	9/14/16 15:30	**Extraction Method:**	SW3550B
Date Prepared:	9/15/16	**Analytical Method:**	SW8270C
Project:	14-002; 3037 Adeline St, Oakland	**Unit:**	mg/Kg

Semi-Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-2	1609601-002A	Soil	09/14/2016 12:10	GC21	126630

Analytes	Result	RL	DF	Date Analyzed
Acenaphthene	ND	100	50	09/15/2016 13:52
Acenaphthylene	ND	100	50	09/15/2016 13:52
Acetochlor	ND	100	50	09/15/2016 13:52
Anthracene	ND	100	50	09/15/2016 13:52
Benzidine	ND	520	50	09/15/2016 13:52
Benzo (a) anthracene	ND	100	50	09/15/2016 13:52
Benzo (a) pyrene	ND	100	50	09/15/2016 13:52
Benzo (b) fluoranthene	ND	100	50	09/15/2016 13:52
Benzo (g,h,i) perylene	ND	100	50	09/15/2016 13:52
Benzo (k) fluoranthene	ND	100	50	09/15/2016 13:52
Benzyl Alcohol	ND	520	50	09/15/2016 13:52
1,1-Biphenyl	ND	100	50	09/15/2016 13:52
Bis (2-chloroethoxy) Methane	ND	100	50	09/15/2016 13:52
Bis (2-chloroethyl) Ether	ND	100	50	09/15/2016 13:52
Bis (2-chloroisopropyl) Ether	ND	100	50	09/15/2016 13:52
Bis (2-ethylhexyl) Adipate	ND	100	50	09/15/2016 13:52
Bis (2-ethylhexyl) Phthalate	ND	100	50	09/15/2016 13:52
4-Bromophenyl Phenyl Ether	ND	100	50	09/15/2016 13:52
Butylbenzyl Phthalate	ND	100	50	09/15/2016 13:52
4-Chloroaniline	ND	200	50	09/15/2016 13:52
4-Chloro-3-methylphenol	ND	100	50	09/15/2016 13:52
2-Chloronaphthalene	ND	100	50	09/15/2016 13:52
2-Chlorophenol	ND	100	50	09/15/2016 13:52
4-Chlorophenyl Phenyl Ether	ND	100	50	09/15/2016 13:52
Chrysene	ND	100	50	09/15/2016 13:52
Dibenzo (a,h) anthracene	ND	100	50	09/15/2016 13:52
Dibenzofuran	ND	100	50	09/15/2016 13:52
Di-n-butyl Phthalate	ND	100	50	09/15/2016 13:52
1,2-Dichlorobenzene	ND	100	50	09/15/2016 13:52
1,3-Dichlorobenzene	ND	100	50	09/15/2016 13:52
1,4-Dichlorobenzene	ND	100	50	09/15/2016 13:52
3,3-Dichlorobenzidine	ND	200	50	09/15/2016 13:52
2,4-Dichlorophenol	ND	100	50	09/15/2016 13:52
Diethyl Phthalate	ND	100	50	09/15/2016 13:52
2,4-Dimethylphenol	ND	100	50	09/15/2016 13:52
Dimethyl Phthalate	ND	100	50	09/15/2016 13:52
4,6-Dinitro-2-methylphenol	ND	520	50	09/15/2016 13:52

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Analytical Report

Client:	ERAS Environmental, Inc.	**WorkOrder:**	1609601
Date Received:	9/14/16 15:30	**Extraction Method:**	SW3550B
Date Prepared:	9/15/16	**Analytical Method:**	SW8270C
Project:	14-002; 3037 Adeline St, Oakland	**Unit:**	mg/Kg

Semi-Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-2	1609601-002A	Soil	09/14/2016 12:10	GC21	126630

Analytes	Result	RL	DF	Date Analyzed
2,4-Dinitrophenol	ND	2500	50	09/15/2016 13:52
2,4-Dinitrotoluene	ND	100	50	09/15/2016 13:52
2,6-Dinitrotoluene	ND	100	50	09/15/2016 13:52
Di-n-octyl Phthalate	ND	200	50	09/15/2016 13:52
1,2-Diphenylhydrazine	ND	100	50	09/15/2016 13:52
Fluoranthene	ND	100	50	09/15/2016 13:52
Fluorene	ND	100	50	09/15/2016 13:52
Hexachlorobenzene	ND	100	50	09/15/2016 13:52
Hexachlorobutadiene	ND	100	50	09/15/2016 13:52
Hexachlorocyclopentadiene	ND	520	50	09/15/2016 13:52
Hexachloroethane	ND	100	50	09/15/2016 13:52
Indeno (1,2,3-cd) pyrene	ND	100	50	09/15/2016 13:52
Isophorone	ND	100	50	09/15/2016 13:52
2-Methylnaphthalene	ND	100	50	09/15/2016 13:52
2-Methylphenol (o-Cresol)	ND	100	50	09/15/2016 13:52
3 & 4-Methylphenol (m,p-Cresol)	ND	100	50	09/15/2016 13:52
Naphthalene	ND	100	50	09/15/2016 13:52
2-Nitroaniline	ND	520	50	09/15/2016 13:52
3-Nitroaniline	ND	520	50	09/15/2016 13:52
4-Nitroaniline	ND	520	50	09/15/2016 13:52
Nitrobenzene	ND	100	50	09/15/2016 13:52
2-Nitrophenol	ND	520	50	09/15/2016 13:52
4-Nitrophenol	ND	520	50	09/15/2016 13:52
N-Nitrosodiphenylamine	ND	100	50	09/15/2016 13:52
N-Nitrosodi-n-propylamine	ND	100	50	09/15/2016 13:52
Pentachlorophenol	ND	520	50	09/15/2016 13:52
Phenanthrene	ND	100	50	09/15/2016 13:52
Phenol	ND	100	50	09/15/2016 13:52
Pyrene	ND	100	50	09/15/2016 13:52
1,2,4-Trichlorobenzene	ND	100	50	09/15/2016 13:52
2,4,5-Trichlorophenol	ND	100	50	09/15/2016 13:52
2,4,6-Trichlorophenol	ND	100	50	09/15/2016 13:52

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Analytical Report

Client:	ERAS Environmental, Inc.	**WorkOrder:**	1609601
Date Received:	9/14/16 15:30	**Extraction Method:**	SW3550B
Date Prepared:	9/15/16	**Analytical Method:**	SW8270C
Project:	14-002; 3037 Adeline St, Oakland	**Unit:**	mg/Kg

Semi-Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-2	**1609601-002A**	**Soil**	**09/14/2016 12:10**	**GC21**	**126630**

Analytes	Result	RL	DF	Date Analyzed
Surrogates	**REC (%)**	**Qualifiers**	**Limits**	
2-Fluorophenol	5	S	30-130	09/15/2016 13:52
Phenol-d5	4	S	30-130	09/15/2016 13:52
Nitrobenzene-d5	22	S	30-130	09/15/2016 13:52
2-Fluorobiphenyl	72		30-130	09/15/2016 13:52
2,4,6-Tribromophenol	30		16-130	09/15/2016 13:52
4-Terphenyl-d14	77		30-130	09/15/2016 13:52

Analyst(s): REB Analytical Comments: a3,a4,c1

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Analytical Report

Client:	ERAS Environmental, Inc.	**WorkOrder:**	1609601
Date Received:	9/14/16 15:30	**Extraction Method:**	SW3550B
Date Prepared:	9/15/16	**Analytical Method:**	SW8270C
Project:	14-002; 3037 Adeline St, Oakland	**Unit:**	mg/Kg

Semi-Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-3	1609601-003A	Soil	09/14/2016 12:13	GC21	126630

Analytes	Result	RL	DF	Date Analyzed
Acenaphthene	ND	100	50	09/15/2016 14:20
Acenaphthylene	ND	100	50	09/15/2016 14:20
Acetochlor	ND	100	50	09/15/2016 14:20
Anthracene	ND	100	50	09/15/2016 14:20
Benzidine	ND	520	50	09/15/2016 14:20
Benzo (a) anthracene	ND	100	50	09/15/2016 14:20
Benzo (a) pyrene	ND	100	50	09/15/2016 14:20
Benzo (b) fluoranthene	ND	100	50	09/15/2016 14:20
Benzo (g,h,i) perylene	ND	100	50	09/15/2016 14:20
Benzo (k) fluoranthene	ND	100	50	09/15/2016 14:20
Benzyl Alcohol	ND	520	50	09/15/2016 14:20
1,1-Biphenyl	ND	100	50	09/15/2016 14:20
Bis (2-chloroethoxy) Methane	ND	100	50	09/15/2016 14:20
Bis (2-chloroethyl) Ether	ND	100	50	09/15/2016 14:20
Bis (2-chloroisopropyl) Ether	ND	100	50	09/15/2016 14:20
Bis (2-ethylhexyl) Adipate	ND	100	50	09/15/2016 14:20
Bis (2-ethylhexyl) Phthalate	ND	100	50	09/15/2016 14:20
4-Bromophenyl Phenyl Ether	ND	100	50	09/15/2016 14:20
Butylbenzyl Phthalate	ND	100	50	09/15/2016 14:20
4-Chloroaniline	ND	200	50	09/15/2016 14:20
4-Chloro-3-methylphenol	ND	100	50	09/15/2016 14:20
2-Chloronaphthalene	ND	100	50	09/15/2016 14:20
2-Chlorophenol	ND	100	50	09/15/2016 14:20
4-Chlorophenyl Phenyl Ether	ND	100	50	09/15/2016 14:20
Chrysene	ND	100	50	09/15/2016 14:20
Dibenzo (a,h) anthracene	ND	100	50	09/15/2016 14:20
Dibenzofuran	ND	100	50	09/15/2016 14:20
Di-n-butyl Phthalate	ND	100	50	09/15/2016 14:20
1,2-Dichlorobenzene	ND	100	50	09/15/2016 14:20
1,3-Dichlorobenzene	ND	100	50	09/15/2016 14:20
1,4-Dichlorobenzene	ND	100	50	09/15/2016 14:20
3,3-Dichlorobenzidine	ND	200	50	09/15/2016 14:20
2,4-Dichlorophenol	ND	100	50	09/15/2016 14:20
Diethyl Phthalate	ND	100	50	09/15/2016 14:20
2,4-Dimethylphenol	ND	100	50	09/15/2016 14:20
Dimethyl Phthalate	ND	100	50	09/15/2016 14:20
4,6-Dinitro-2-methylphenol	ND	520	50	09/15/2016 14:20

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Analytical Report

Client:	ERAS Environmental, Inc.	**WorkOrder:**	1609601
Date Received:	9/14/16 15:30	**Extraction Method:**	SW3550B
Date Prepared:	9/15/16	**Analytical Method:**	SW8270C
Project:	14-002; 3037 Adeline St, Oakland	**Unit:**	mg/Kg

Semi-Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-3	1609601-003A	Soil	09/14/2016 12:13	GC21	126630

Analytes	Result	RL	DF	Date Analyzed
2,4-Dinitrophenol	ND	2500	50	09/15/2016 14:20
2,4-Dinitrotoluene	ND	100	50	09/15/2016 14:20
2,6-Dinitrotoluene	ND	100	50	09/15/2016 14:20
Di-n-octyl Phthalate	ND	200	50	09/15/2016 14:20
1,2-Diphenylhydrazine	ND	100	50	09/15/2016 14:20
Fluoranthene	ND	100	50	09/15/2016 14:20
Fluorene	ND	100	50	09/15/2016 14:20
Hexachlorobenzene	ND	100	50	09/15/2016 14:20
Hexachlorobutadiene	ND	100	50	09/15/2016 14:20
Hexachlorocyclopentadiene	ND	520	50	09/15/2016 14:20
Hexachloroethane	ND	100	50	09/15/2016 14:20
Indeno (1,2,3-cd) pyrene	ND	100	50	09/15/2016 14:20
Isophorone	ND	100	50	09/15/2016 14:20
2-Methylnaphthalene	ND	100	50	09/15/2016 14:20
2-Methylphenol (o-Cresol)	ND	100	50	09/15/2016 14:20
3 & 4-Methylphenol (m,p-Cresol)	ND	100	50	09/15/2016 14:20
Naphthalene	ND	100	50	09/15/2016 14:20
2-Nitroaniline	ND	520	50	09/15/2016 14:20
3-Nitroaniline	ND	520	50	09/15/2016 14:20
4-Nitroaniline	ND	520	50	09/15/2016 14:20
Nitrobenzene	ND	100	50	09/15/2016 14:20
2-Nitrophenol	ND	520	50	09/15/2016 14:20
4-Nitrophenol	ND	520	50	09/15/2016 14:20
N-Nitrosodiphenylamine	ND	100	50	09/15/2016 14:20
N-Nitrosodi-n-propylamine	ND	100	50	09/15/2016 14:20
Pentachlorophenol	ND	520	50	09/15/2016 14:20
Phenanthrene	ND	100	50	09/15/2016 14:20
Phenol	ND	100	50	09/15/2016 14:20
Pyrene	ND	100	50	09/15/2016 14:20
1,2,4-Trichlorobenzene	ND	100	50	09/15/2016 14:20
2,4,5-Trichlorophenol	ND	100	50	09/15/2016 14:20
2,4,6-Trichlorophenol	ND	100	50	09/15/2016 14:20

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Analytical Report

Client:	ERAS Environmental, Inc.	**WorkOrder:**	1609601
Date Received:	9/14/16 15:30	**Extraction Method:**	SW3550B
Date Prepared:	9/15/16	**Analytical Method:**	SW8270C
Project:	14-002; 3037 Adeline St, Oakland	**Unit:**	mg/Kg

Semi-Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-3	**1609601-003A**	**Soil**	**09/14/2016 12:13**	**GC21**	**126630**

Analytes	Result	RL	DF	Date Analyzed
Surrogates	**REC (%)**	**Qualifiers**	**Limits**	
2-Fluorophenol	6	S	30-130	09/15/2016 14:20
Phenol-d5	4	S	30-130	09/15/2016 14:20
Nitrobenzene-d5	15	S	30-130	09/15/2016 14:20
2-Fluorobiphenyl	5	S	30-130	09/15/2016 14:20
2,4,6-Tribromophenol	89		16-130	09/15/2016 14:20
4-Terphenyl-d14	87		30-130	09/15/2016 14:20

Analyst(s): REB Analytical Comments: a3,a4,c1

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Analytical Report

Client:	ERAS Environmental, Inc.	**WorkOrder:**	1609601
Date Received:	9/14/16 15:30	**Extraction Method:**	SW3550B
Date Prepared:	9/15/16	**Analytical Method:**	SW8270C
Project:	14-002; 3037 Adeline St, Oakland	**Unit:**	mg/Kg

Semi-Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-4	1609601-004A	Soil	09/14/2016 12:16	GC17	126630

Analytes	Result	RL	DF	Date Analyzed
Acenaphthene	ND	40	20	09/15/2016 23:05
Acenaphthylene	ND	40	20	09/15/2016 23:05
Acetochlor	ND	40	20	09/15/2016 23:05
Anthracene	ND	40	20	09/15/2016 23:05
Benzidine	ND	210	20	09/15/2016 23:05
Benzo (a) anthracene	ND	40	20	09/15/2016 23:05
Benzo (a) pyrene	ND	40	20	09/15/2016 23:05
Benzo (b) fluoranthene	ND	40	20	09/15/2016 23:05
Benzo (g,h,i) perylene	ND	40	20	09/15/2016 23:05
Benzo (k) fluoranthene	ND	40	20	09/15/2016 23:05
Benzyl Alcohol	ND	210	20	09/15/2016 23:05
1,1-Biphenyl	ND	40	20	09/15/2016 23:05
Bis (2-chloroethoxy) Methane	ND	40	20	09/15/2016 23:05
Bis (2-chloroethyl) Ether	ND	40	20	09/15/2016 23:05
Bis (2-chloroisopropyl) Ether	ND	40	20	09/15/2016 23:05
Bis (2-ethylhexyl) Adipate	ND	40	20	09/15/2016 23:05
Bis (2-ethylhexyl) Phthalate	ND	40	20	09/15/2016 23:05
4-Bromophenyl Phenyl Ether	ND	40	20	09/15/2016 23:05
Butylbenzyl Phthalate	ND	40	20	09/15/2016 23:05
4-Chloroaniline	ND	80	20	09/15/2016 23:05
4-Chloro-3-methylphenol	ND	40	20	09/15/2016 23:05
2-Chloronaphthalene	ND	40	20	09/15/2016 23:05
2-Chlorophenol	ND	40	20	09/15/2016 23:05
4-Chlorophenyl Phenyl Ether	ND	40	20	09/15/2016 23:05
Chrysene	ND	40	20	09/15/2016 23:05
Dibenzo (a,h) anthracene	ND	40	20	09/15/2016 23:05
Dibenzofuran	ND	40	20	09/15/2016 23:05
Di-n-butyl Phthalate	ND	40	20	09/15/2016 23:05
1,2-Dichlorobenzene	ND	40	20	09/15/2016 23:05
1,3-Dichlorobenzene	ND	40	20	09/15/2016 23:05
1,4-Dichlorobenzene	ND	40	20	09/15/2016 23:05
3,3-Dichlorobenzidine	ND	80	20	09/15/2016 23:05
2,4-Dichlorophenol	ND	40	20	09/15/2016 23:05
Diethyl Phthalate	ND	40	20	09/15/2016 23:05
2,4-Dimethylphenol	ND	40	20	09/15/2016 23:05
Dimethyl Phthalate	ND	40	20	09/15/2016 23:05
4,6-Dinitro-2-methylphenol	ND	210	20	09/15/2016 23:05

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Analytical Report

Client:	ERAS Environmental, Inc.	**WorkOrder:**	1609601
Date Received:	9/14/16 15:30	**Extraction Method:**	SW3550B
Date Prepared:	9/15/16	**Analytical Method:**	SW8270C
Project:	14-002; 3037 Adeline St, Oakland	**Unit:**	mg/Kg

Semi-Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-4	**1609601-004A**	**Soil**	**09/14/2016 12:16**	**GC17**	**126630**

Analytes	Result	RL	DF	Date Analyzed
2,4-Dinitrophenol	ND	1000	20	09/15/2016 23:05
2,4-Dinitrotoluene	ND	40	20	09/15/2016 23:05
2,6-Dinitrotoluene	ND	40	20	09/15/2016 23:05
Di-n-octyl Phthalate	ND	80	20	09/15/2016 23:05
1,2-Diphenylhydrazine	ND	40	20	09/15/2016 23:05
Fluoranthene	ND	40	20	09/15/2016 23:05
Fluorene	ND	40	20	09/15/2016 23:05
Hexachlorobenzene	ND	40	20	09/15/2016 23:05
Hexachlorobutadiene	ND	40	20	09/15/2016 23:05
Hexachlorocyclopentadiene	ND	210	20	09/15/2016 23:05
Hexachloroethane	ND	40	20	09/15/2016 23:05
Indeno (1,2,3-cd) pyrene	ND	40	20	09/15/2016 23:05
Isophorone	ND	40	20	09/15/2016 23:05
2-Methylnaphthalene	ND	40	20	09/15/2016 23:05
2-Methylphenol (o-Cresol)	ND	40	20	09/15/2016 23:05
3 & 4-Methylphenol (m,p-Cresol)	ND	40	20	09/15/2016 23:05
Naphthalene	ND	40	20	09/15/2016 23:05
2-Nitroaniline	ND	210	20	09/15/2016 23:05
3-Nitroaniline	ND	210	20	09/15/2016 23:05
4-Nitroaniline	ND	210	20	09/15/2016 23:05
Nitrobenzene	ND	40	20	09/15/2016 23:05
2-Nitrophenol	ND	210	20	09/15/2016 23:05
4-Nitrophenol	ND	210	20	09/15/2016 23:05
N-Nitrosodiphenylamine	ND	40	20	09/15/2016 23:05
N-Nitrosodi-n-propylamine	ND	40	20	09/15/2016 23:05
Pentachlorophenol	ND	210	20	09/15/2016 23:05
Phenanthrene	ND	40	20	09/15/2016 23:05
Phenol	ND	40	20	09/15/2016 23:05
Pyrene	ND	40	20	09/15/2016 23:05
1,2,4-Trichlorobenzene	ND	40	20	09/15/2016 23:05
2,4,5-Trichlorophenol	ND	40	20	09/15/2016 23:05
2,4,6-Trichlorophenol	ND	40	20	09/15/2016 23:05

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Analytical Report

Client:	ERAS Environmental, Inc.	**WorkOrder:**	1609601
Date Received:	9/14/16 15:30	**Extraction Method:**	SW3550B
Date Prepared:	9/15/16	**Analytical Method:**	SW8270C
Project:	14-002; 3037 Adeline St, Oakland	**Unit:**	mg/Kg

Semi-Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-4	**1609601-004A**	**Soil**	**09/14/2016 12:16**	**GC17**	**126630**

Analytes	Result		RL	DF	Date Analyzed
Surrogates	REC (%)	Qualifiers	Limits		
2-Fluorophenol	107		30-130		09/15/2016 23:05
Phenol-d5	58		30-130		09/15/2016 23:05
Nitrobenzene-d5	103		30-130		09/15/2016 23:05
2-Fluorobiphenyl	82		30-130		09/15/2016 23:05
2,4,6-Tribromophenol	15	S	16-130		09/15/2016 23:05
4-Terphenyl-d14	82		30-130		09/15/2016 23:05

Analyst(s): REB Analytical Comments: a3,a4,c1

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Analytical Report

Client:	ERAS Environmental, Inc.	**WorkOrder:**	1609601
Date Received:	9/14/16 15:30	**Extraction Method:**	SW3550B
Date Prepared:	9/15/16	**Analytical Method:**	SW8270C
Project:	14-002; 3037 Adeline St, Oakland	**Unit:**	mg/Kg

Semi-Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-5	1609601-005A	Soil	09/14/2016 12:19	GC21	126630

Analytes	Result	RL	DF	Date Analyzed
Acenaphthene	ND	10	5	09/15/2016 15:16
Acenaphthylene	ND	10	5	09/15/2016 15:16
Acetochlor	ND	10	5	09/15/2016 15:16
Anthracene	ND	10	5	09/15/2016 15:16
Benzidine	ND	52	5	09/15/2016 15:16
Benzo (a) anthracene	ND	10	5	09/15/2016 15:16
Benzo (a) pyrene	ND	10	5	09/15/2016 15:16
Benzo (b) fluoranthene	ND	10	5	09/15/2016 15:16
Benzo (g,h,i) perylene	ND	10	5	09/15/2016 15:16
Benzo (k) fluoranthene	ND	10	5	09/15/2016 15:16
Benzyl Alcohol	ND	52	5	09/15/2016 15:16
1,1-Biphenyl	ND	10	5	09/15/2016 15:16
Bis (2-chloroethoxy) Methane	ND	10	5	09/15/2016 15:16
Bis (2-chloroethyl) Ether	ND	10	5	09/15/2016 15:16
Bis (2-chloroisopropyl) Ether	ND	10	5	09/15/2016 15:16
Bis (2-ethylhexyl) Adipate	ND	10	5	09/15/2016 15:16
Bis (2-ethylhexyl) Phthalate	ND	10	5	09/15/2016 15:16
4-Bromophenyl Phenyl Ether	ND	10	5	09/15/2016 15:16
Butylbenzyl Phthalate	ND	10	5	09/15/2016 15:16
4-Chloroaniline	ND	20	5	09/15/2016 15:16
4-Chloro-3-methylphenol	ND	10	5	09/15/2016 15:16
2-Chloronaphthalene	ND	10	5	09/15/2016 15:16
2-Chlorophenol	ND	10	5	09/15/2016 15:16
4-Chlorophenyl Phenyl Ether	ND	10	5	09/15/2016 15:16
Chrysene	ND	10	5	09/15/2016 15:16
Dibenzo (a,h) anthracene	ND	10	5	09/15/2016 15:16
Dibenzofuran	ND	10	5	09/15/2016 15:16
Di-n-butyl Phthalate	ND	10	5	09/15/2016 15:16
1,2-Dichlorobenzene	ND	10	5	09/15/2016 15:16
1,3-Dichlorobenzene	ND	10	5	09/15/2016 15:16
1,4-Dichlorobenzene	ND	10	5	09/15/2016 15:16
3,3-Dichlorobenzidine	ND	20	5	09/15/2016 15:16
2,4-Dichlorophenol	ND	10	5	09/15/2016 15:16
Diethyl Phthalate	ND	10	5	09/15/2016 15:16
2,4-Dimethylphenol	ND	10	5	09/15/2016 15:16
Dimethyl Phthalate	ND	10	5	09/15/2016 15:16
4,6-Dinitro-2-methylphenol	ND	52	5	09/15/2016 15:16

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Analytical Report

Client:	ERAS Environmental, Inc.	**WorkOrder:**	1609601
Date Received:	9/14/16 15:30	**Extraction Method:**	SW3550B
Date Prepared:	9/15/16	**Analytical Method:**	SW8270C
Project:	14-002; 3037 Adeline St, Oakland	**Unit:**	mg/Kg

Semi-Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-5	**1609601-005A**	**Soil**	**09/14/2016 12:19**	**GC21**	**126630**

Analytes	Result	RL	DF	Date Analyzed
2,4-Dinitrophenol	ND	250	5	09/15/2016 15:16
2,4-Dinitrotoluene	ND	10	5	09/15/2016 15:16
2,6-Dinitrotoluene	ND	10	5	09/15/2016 15:16
Di-n-octyl Phthalate	ND	20	5	09/15/2016 15:16
1,2-Diphenylhydrazine	ND	10	5	09/15/2016 15:16
Fluoranthene	ND	10	5	09/15/2016 15:16
Fluorene	ND	10	5	09/15/2016 15:16
Hexachlorobenzene	ND	10	5	09/15/2016 15:16
Hexachlorobutadiene	ND	10	5	09/15/2016 15:16
Hexachlorocyclopentadiene	ND	52	5	09/15/2016 15:16
Hexachloroethane	ND	10	5	09/15/2016 15:16
Indeno (1,2,3-cd) pyrene	ND	10	5	09/15/2016 15:16
Isophorone	ND	10	5	09/15/2016 15:16
2-Methylnaphthalene	**11**	10	5	09/15/2016 15:16
2-Methylphenol (o-Cresol)	ND	10	5	09/15/2016 15:16
3 & 4-Methylphenol (m,p-Cresol)	ND	10	5	09/15/2016 15:16
Naphthalene	ND	10	5	09/15/2016 15:16
2-Nitroaniline	ND	52	5	09/15/2016 15:16
3-Nitroaniline	ND	52	5	09/15/2016 15:16
4-Nitroaniline	ND	52	5	09/15/2016 15:16
Nitrobenzene	ND	10	5	09/15/2016 15:16
2-Nitrophenol	ND	52	5	09/15/2016 15:16
4-Nitrophenol	ND	52	5	09/15/2016 15:16
N-Nitrosodiphenylamine	ND	10	5	09/15/2016 15:16
N-Nitrosodi-n-propylamine	ND	10	5	09/15/2016 15:16
Pentachlorophenol	ND	52	5	09/15/2016 15:16
Phenanthrene	ND	10	5	09/15/2016 15:16
Phenol	ND	10	5	09/15/2016 15:16
Pyrene	ND	10	5	09/15/2016 15:16
1,2,4-Trichlorobenzene	ND	10	5	09/15/2016 15:16
2,4,5-Trichlorophenol	ND	10	5	09/15/2016 15:16
2,4,6-Trichlorophenol	ND	10	5	09/15/2016 15:16

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Analytical Report

Client:	ERAS Environmental, Inc.	**WorkOrder:**	1609601
Date Received:	9/14/16 15:30	**Extraction Method:**	SW3550B
Date Prepared:	9/15/16	**Analytical Method:**	SW8270C
Project:	14-002; 3037 Adeline St, Oakland	**Unit:**	mg/Kg

Semi-Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-5	**1609601-005A**	**Soil**	**09/14/2016 12:19**	**GC21**	**126630**

Analytes	Result		RL	DF	Date Analyzed
Surrogates	REC (%)	Qualifiers	Limits		
2-Fluorophenol	1	S	30-130		09/15/2016 15:16
Phenol-d5	0	S	30-130		09/15/2016 15:16
Nitrobenzene-d5	6	S	30-130		09/15/2016 15:16
2-Fluorobiphenyl	63		30-130		09/15/2016 15:16
2,4,6-Tribromophenol	9	S	16-130		09/15/2016 15:16
4-Terphenyl-d14	66		30-130		09/15/2016 15:16

Analyst(s): REB Analytical Comments: a3,a4,c1

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Analytical Report

Client:	ERAS Environmental, Inc.	**WorkOrder:**	1609601
Date Received:	9/14/16 15:30	**Extraction Method:**	SW3550B
Date Prepared:	9/15/16	**Analytical Method:**	SW8270C
Project:	14-002; 3037 Adeline St, Oakland	**Unit:**	mg/Kg

Semi-Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-6	1609601-006A	Soil	09/14/2016 12:21	GC17	126630

Analytes	Result	RL	DF	Date Analyzed
Acenaphthene	ND	40	20	09/15/2016 23:33
Acenaphthylene	ND	40	20	09/15/2016 23:33
Acetochlor	ND	40	20	09/15/2016 23:33
Anthracene	ND	40	20	09/15/2016 23:33
Benzidine	ND	210	20	09/15/2016 23:33
Benzo (a) anthracene	ND	40	20	09/15/2016 23:33
Benzo (a) pyrene	ND	40	20	09/15/2016 23:33
Benzo (b) fluoranthene	ND	40	20	09/15/2016 23:33
Benzo (g,h,i) perylene	ND	40	20	09/15/2016 23:33
Benzo (k) fluoranthene	ND	40	20	09/15/2016 23:33
Benzyl Alcohol	ND	210	20	09/15/2016 23:33
1,1-Biphenyl	ND	40	20	09/15/2016 23:33
Bis (2-chloroethoxy) Methane	ND	40	20	09/15/2016 23:33
Bis (2-chloroethyl) Ether	ND	40	20	09/15/2016 23:33
Bis (2-chloroisopropyl) Ether	ND	40	20	09/15/2016 23:33
Bis (2-ethylhexyl) Adipate	ND	40	20	09/15/2016 23:33
Bis (2-ethylhexyl) Phthalate	ND	40	20	09/15/2016 23:33
4-Bromophenyl Phenyl Ether	ND	40	20	09/15/2016 23:33
Butylbenzyl Phthalate	ND	40	20	09/15/2016 23:33
4-Chloroaniline	ND	80	20	09/15/2016 23:33
4-Chloro-3-methylphenol	ND	40	20	09/15/2016 23:33
2-Chloronaphthalene	ND	40	20	09/15/2016 23:33
2-Chlorophenol	ND	40	20	09/15/2016 23:33
4-Chlorophenyl Phenyl Ether	ND	40	20	09/15/2016 23:33
Chrysene	ND	40	20	09/15/2016 23:33
Dibenzo (a,h) anthracene	ND	40	20	09/15/2016 23:33
Dibenzofuran	ND	40	20	09/15/2016 23:33
Di-n-butyl Phthalate	ND	40	20	09/15/2016 23:33
1,2-Dichlorobenzene	ND	40	20	09/15/2016 23:33
1,3-Dichlorobenzene	ND	40	20	09/15/2016 23:33
1,4-Dichlorobenzene	ND	40	20	09/15/2016 23:33
3,3-Dichlorobenzidine	ND	80	20	09/15/2016 23:33
2,4-Dichlorophenol	ND	40	20	09/15/2016 23:33
Diethyl Phthalate	ND	40	20	09/15/2016 23:33
2,4-Dimethylphenol	ND	40	20	09/15/2016 23:33
Dimethyl Phthalate	ND	40	20	09/15/2016 23:33
4,6-Dinitro-2-methylphenol	ND	210	20	09/15/2016 23:33

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Analytical Report

Client:	ERAS Environmental, Inc.	**WorkOrder:**	1609601
Date Received:	9/14/16 15:30	**Extraction Method:**	SW3550B
Date Prepared:	9/15/16	**Analytical Method:**	SW8270C
Project:	14-002; 3037 Adeline St, Oakland	**Unit:**	mg/Kg

Semi-Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-6	1609601-006A	Soil	09/14/2016 12:21	GC17	126630

Analytes	Result	RL	DF	Date Analyzed
2,4-Dinitrophenol	ND	1000	20	09/15/2016 23:33
2,4-Dinitrotoluene	ND	40	20	09/15/2016 23:33
2,6-Dinitrotoluene	ND	40	20	09/15/2016 23:33
Di-n-octyl Phthalate	ND	80	20	09/15/2016 23:33
1,2-Diphenylhydrazine	ND	40	20	09/15/2016 23:33
Fluoranthene	ND	40	20	09/15/2016 23:33
Fluorene	ND	40	20	09/15/2016 23:33
Hexachlorobenzene	ND	40	20	09/15/2016 23:33
Hexachlorobutadiene	ND	40	20	09/15/2016 23:33
Hexachlorocyclopentadiene	ND	210	20	09/15/2016 23:33
Hexachloroethane	ND	40	20	09/15/2016 23:33
Indeno (1,2,3-cd) pyrene	ND	40	20	09/15/2016 23:33
Isophorone	ND	40	20	09/15/2016 23:33
2-Methylnaphthalene	ND	40	20	09/15/2016 23:33
2-Methylphenol (o-Cresol)	ND	40	20	09/15/2016 23:33
3 & 4-Methylphenol (m,p-Cresol)	ND	40	20	09/15/2016 23:33
Naphthalene	ND	40	20	09/15/2016 23:33
2-Nitroaniline	ND	210	20	09/15/2016 23:33
3-Nitroaniline	ND	210	20	09/15/2016 23:33
4-Nitroaniline	ND	210	20	09/15/2016 23:33
Nitrobenzene	ND	40	20	09/15/2016 23:33
2-Nitrophenol	ND	210	20	09/15/2016 23:33
4-Nitrophenol	ND	210	20	09/15/2016 23:33
N-Nitrosodiphenylamine	ND	40	20	09/15/2016 23:33
N-Nitrosodi-n-propylamine	ND	40	20	09/15/2016 23:33
Pentachlorophenol	ND	210	20	09/15/2016 23:33
Phenanthrene	ND	40	20	09/15/2016 23:33
Phenol	ND	40	20	09/15/2016 23:33
Pyrene	ND	40	20	09/15/2016 23:33
1,2,4-Trichlorobenzene	ND	40	20	09/15/2016 23:33
2,4,5-Trichlorophenol	ND	40	20	09/15/2016 23:33
2,4,6-Trichlorophenol	ND	40	20	09/15/2016 23:33

(Cont.)

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Analytical Report

Client:	ERAS Environmental, Inc.	**WorkOrder:**	1609601
Date Received:	9/14/16 15:30	**Extraction Method:**	SW3550B
Date Prepared:	9/15/16	**Analytical Method:**	SW8270C
Project:	14-002; 3037 Adeline St, Oakland	**Unit:**	mg/Kg

Semi-Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-6	**1609601-006A**	**Soil**	**09/14/2016 12:21**	**GC17**	**126630**

Analytes	Result		RL	DF	Date Analyzed
Surrogates	REC (%)	Qualifiers	Limits		
2-Fluorophenol	79		30-130		09/15/2016 23:33
Phenol-d5	71		30-130		09/15/2016 23:33
Nitrobenzene-d5	125		30-130		09/15/2016 23:33
2-Fluorobiphenyl	75		30-130		09/15/2016 23:33
2,4,6-Tribromophenol	11	S	16-130		09/15/2016 23:33
4-Terphenyl-d14	75		30-130		09/15/2016 23:33

Analyst(s): REB Analytical Comments: a3,a4,c1

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Analytical Report

Client:	ERAS Environmental, Inc.	**WorkOrder:**	1609601
Date Received:	9/14/16 15:30	**Extraction Method:**	SW5030B
Date Prepared:	9/14/16	**Analytical Method:**	SW8021B/8015Bm
Project:	14-002; 3037 Adeline St, Oakland	**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
E-1	**1609601-001A**	**Soil**	**09/14/2016 12:08**	**GC19**	**126579**

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	**350**	50	50	09/20/2016 20:22
MTBE	**---**	2.5	50	09/20/2016 20:22
Benzene	**---**	0.25	50	09/20/2016 20:22
Toluene	**---**	0.25	50	09/20/2016 20:22
Ethylbenzene	**---**	0.25	50	09/20/2016 20:22
Xylenes	**---**	0.75	50	09/20/2016 20:22

Surrogates	REC (%)	Limits	
2-Fluorotoluene	86	69-117	09/20/2016 20:22

Analyst(s): IA Analytical Comments: d7

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-2	**1609601-002A**	**Soil**	**09/14/2016 12:10**	**GC19**	**126579**

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	**260**	20	20	09/15/2016 13:16
MTBE	**---**	1.0	20	09/15/2016 13:16
Benzene	**---**	0.10	20	09/15/2016 13:16
Toluene	**---**	0.10	20	09/15/2016 13:16
Ethylbenzene	**---**	0.10	20	09/15/2016 13:16
Xylenes	**---**	0.30	20	09/15/2016 13:16

Surrogates	REC (%)	Limits	
2-Fluorotoluene	98	70-130	09/15/2016 13:16

Analyst(s): IA Analytical Comments: d7

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Analytical Report

Client:	ERAS Environmental, Inc.	**WorkOrder:**	1609601
Date Received:	9/14/16 15:30	**Extraction Method:**	SW5030B
Date Prepared:	9/14/16	**Analytical Method:**	SW8021B/8015Bm
Project:	14-002; 3037 Adeline St, Oakland	**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
E-3	**1609601-003A**	**Soil**	**09/14/2016 12:13**	**GC3**	**126579**

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	**510**	33	33	09/19/2016 15:35
MTBE	**---**	1.7	33	09/19/2016 15:35
Benzene	**---**	0.17	33	09/19/2016 15:35
Toluene	**---**	0.17	33	09/19/2016 15:35
Ethylbenzene	**---**	0.17	33	09/19/2016 15:35
Xylenes	**---**	0.50	33	09/19/2016 15:35

Surrogates	REC (%)	Limits	
2-Fluorotoluene	80	69-117	09/19/2016 15:35

Analyst(s): IA Analytical Comments: d7

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-4	**1609601-004A**	**Soil**	**09/14/2016 12:16**	**GC19**	**126579**

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	**180**	50	50	09/20/2016 20:53
MTBE	**---**	2.5	50	09/20/2016 20:53
Benzene	**---**	0.25	50	09/20/2016 20:53
Toluene	**---**	0.25	50	09/20/2016 20:53
Ethylbenzene	**---**	0.25	50	09/20/2016 20:53
Xylenes	**---**	0.75	50	09/20/2016 20:53

Surrogates	REC (%)	Limits	
2-Fluorotoluene	82	69-117	09/20/2016 20:53

Analyst(s): IA Analytical Comments: d7

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Analytical Report

Client:	ERAS Environmental, Inc.	**WorkOrder:**	1609601
Date Received:	9/14/16 15:30	**Extraction Method:**	SW5030B
Date Prepared:	9/14/16	**Analytical Method:**	SW8021B/8015Bm
Project:	14-002; 3037 Adeline St, Oakland	**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
E-5	**1609601-005A**	**Soil**	**09/14/2016 12:19**	**GC19**	**126579**

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	**160**	20	20	09/16/2016 13:55
MTBE	---	1.0	20	09/16/2016 13:55
Benzene	---	0.10	20	09/16/2016 13:55
Toluene	---	0.10	20	09/16/2016 13:55
Ethylbenzene	---	0.10	20	09/16/2016 13:55
Xylenes	---	0.30	20	09/16/2016 13:55

Surrogates	REC (%)	Limits	
2-Fluorotoluene	88	70-130	09/16/2016 13:55

Analyst(s): IA Analytical Comments: d7

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-6	**1609601-006A**	**Soil**	**09/14/2016 12:21**	**GC19**	**126579**

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	**240**	50	50	09/20/2016 21:54
MTBE	---	2.5	50	09/20/2016 21:54
Benzene	---	0.25	50	09/20/2016 21:54
Toluene	---	0.25	50	09/20/2016 21:54
Ethylbenzene	---	0.25	50	09/20/2016 21:54
Xylenes	---	0.75	50	09/20/2016 21:54

Surrogates	REC (%)	Limits	
2-Fluorotoluene	88	69-117	09/20/2016 21:54

Analyst(s): IA Analytical Comments: d7

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Analytical Report

Client:	ERAS Environmental, Inc.	**WorkOrder:**	1609601
Date Received:	9/14/16 15:30	**Extraction Method:**	SW3550B
Date Prepared:	9/14/16	**Analytical Method:**	SW8015B
Project:	14-002; 3037 Adeline St, Oakland	**Unit:**	mg/Kg

Total Extractable Petroleum Hydrocarbons w/out SG Clean-Up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-1	1609601-001A	Soil	09/14/2016 12:08	GC11B	126584

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**3000**	50	50	09/17/2016 11:50
TPH-Motor Oil (C18-C36)	**1100**	250	50	09/17/2016 11:50

Surrogates	REC (%)	Limits	
C9	88	70-130	09/17/2016 11:50

Analyst(s): TK Analytical Comments: e2,e7

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-2	1609601-002A	Soil	09/14/2016 12:10	GC9b	126584

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**2500**	50	50	09/15/2016 01:50
TPH-Motor Oil (C18-C36)	**1600**	250	50	09/15/2016 01:50

Surrogates	REC (%)	Limits	
C9	88	70-130	09/15/2016 01:50

Analyst(s): TK Analytical Comments: e2,e7

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-3	1609601-003A	Soil	09/14/2016 12:13	GC9b	126584

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**2500**	50	50	09/15/2016 05:43
TPH-Motor Oil (C18-C36)	**1800**	250	50	09/15/2016 05:43

Surrogates	REC (%)	Limits	
C9	89	70-130	09/15/2016 05:43

Analyst(s): TK Analytical Comments: e2,e7

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Angela Rydelius, Lab Manager

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Analytical Report

Client:	ERAS Environmental, Inc.	**WorkOrder:**	1609601
Date Received:	9/14/16 15:30	**Extraction Method:**	SW3550B
Date Prepared:	9/14/16	**Analytical Method:**	SW8015B
Project:	14-002; 3037 Adeline St, Oakland	**Unit:**	mg/Kg

Total Extractable Petroleum Hydrocarbons w/out SG Clean-Up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-4	**1609601-004A**	**Soil**	**09/14/2016 12:16**	**GC9b**	**126584**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**2200**	50	50	09/15/2016 08:18
TPH-Motor Oil (C18-C36)	**1700**	250	50	09/15/2016 08:18

Surrogates	REC (%)	Limits	
C9	90	70-130	09/15/2016 08:18

Analyst(s): TK Analytical Comments: e2,e7

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-5	**1609601-005A**	**Soil**	**09/14/2016 12:19**	**GC9b**	**126584**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**720**	50	50	09/15/2016 10:15
TPH-Motor Oil (C18-C36)	**490**	250	50	09/15/2016 10:15

Surrogates	REC (%)	Limits	
C9	78	70-130	09/15/2016 10:15

Analyst(s): TK Analytical Comments: e2,e7

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-6	**1609601-006A**	**Soil**	**09/14/2016 12:21**	**GC9b**	**126584**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**2200**	50	50	09/15/2016 11:32
TPH-Motor Oil (C18-C36)	**1500**	250	50	09/15/2016 11:32

Surrogates	REC (%)	Limits	
C9	84	70-130	09/15/2016 11:32

Analyst(s): TK Analytical Comments: e2,e7

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Quality Control Report

Client:	ERAS Environmental, Inc.	**WorkOrder:**	1609601
Date Prepared:	9/14/16	**BatchID:**	126570
Date Analyzed:	9/14/16	**Extraction Method:**	SW5030B
Instrument:	GC10	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/kg
Project:	14-002; 3037 Adeline St, Oakland	**Sample ID:**	MB/LCS-126570 1609591-001AMS/MSD

QC Summary Report for SW8260B

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Acetone	ND	-	0.10	-	-	-	-
tert-Amyl methyl ether (TAME)	ND	0.0450	0.0050	0.050	-	90	53-116
Benzene	ND	0.0486	0.0050	0.050	-	97	63-137
Bromobenzene	ND	-	0.0050	-	-	-	-
Bromochloromethane	ND	-	0.0050	-	-	-	-
Bromodichloromethane	ND	-	0.0050	-	-	-	-
Bromoform	ND	-	0.0050	-	-	-	-
Bromomethane	ND	-	0.0050	-	-	-	-
2-Butanone (MEK)	ND	-	0.020	-	-	-	-
t-Butyl alcohol (TBA)	ND	0.186	0.050	0.20	-	93	41-135
n-Butyl benzene	ND	-	0.0050	-	-	-	-
sec-Butyl benzene	ND	-	0.0050	-	-	-	-
tert-Butyl benzene	ND	-	0.0050	-	-	-	-
Carbon Disulfide	ND	-	0.0050	-	-	-	-
Carbon Tetrachloride	ND	-	0.0050	-	-	-	-
Chlorobenzene	ND	0.0494	0.0050	0.050	-	99	77-121
Chloroethane	ND	-	0.0050	-	-	-	-
Chloroform	ND	-	0.0050	-	-	-	-
Chloromethane	ND	-	0.0050	-	-	-	-
2-Chlorotoluene	ND	-	0.0050	-	-	-	-
4-Chlorotoluene	ND	-	0.0050	-	-	-	-
Dibromochloromethane	ND	-	0.0050	-	-	-	-
1,2-Dibromo-3-chloropropane	ND	-	0.0040	-	-	-	-
1,2-Dibromoethane (EDB)	ND	0.0481	0.0040	0.050	-	96	67-119
Dibromomethane	ND	-	0.0050	-	-	-	-
1,2-Dichlorobenzene	ND	-	0.0050	-	-	-	-
1,3-Dichlorobenzene	ND	-	0.0050	-	-	-	-
1,4-Dichlorobenzene	ND	-	0.0050	-	-	-	-
Dichlorodifluoromethane	ND	-	0.0050	-	-	-	-
1,1-Dichloroethane	ND	-	0.0050	-	-	-	-
1,2-Dichloroethane (1,2-DCA)	ND	0.0469	0.0040	0.050	-	94	58-135
1,1-Dichloroethene	ND	0.0464	0.0050	0.050	-	93	42-145
cis-1,2-Dichloroethene	ND	-	0.0050	-	-	-	-
trans-1,2-Dichloroethene	ND	-	0.0050	-	-	-	-
1,2-Dichloropropane	ND	-	0.0050	-	-	-	-
1,3-Dichloropropane	ND	-	0.0050	-	-	-	-
2,2-Dichloropropane	ND	-	0.0050	-	-	-	-

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Quality Control Report

Client:	ERAS Environmental, Inc.	**WorkOrder:**	1609601
Date Prepared:	9/14/16	**BatchID:**	126570
Date Analyzed:	9/14/16	**Extraction Method:**	SW5030B
Instrument:	GC10	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/kg
Project:	14-002; 3037 Adeline St, Oakland	**Sample ID:**	MB/LCS-126570 1609591-001AMS/MSD

QC Summary Report for SW8260B

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
1,1-Dichloropropene	ND	-	0.0050	-	-	-	-
cis-1,3-Dichloropropene	ND	-	0.0050	-	-	-	-
trans-1,3-Dichloropropene	ND	-	0.0050	-	-	-	-
Diisopropyl ether (DIPE)	ND	0.0465	0.0050	0.050	-	93	52-129
Ethylbenzene	ND	-	0.0050	-	-	-	-
Ethyl tert-butyl ether (ETBE)	ND	0.0470	0.0050	0.050	-	94	53-125
Freon 113	ND	-	0.0050	-	-	-	-
Hexachlorobutadiene	ND	-	0.0050	-	-	-	-
Hexachloroethane	ND	-	0.0050	-	-	-	-
2-Hexanone	ND	-	0.0050	-	-	-	-
Isopropylbenzene	ND	-	0.0050	-	-	-	-
4-Isopropyl toluene	ND	-	0.0050	-	-	-	-
Methyl-t-butyl ether (MTBE)	ND	0.0464	0.0050	0.050	-	93	58-122
Methylene chloride	ND	-	0.0050	-	-	-	-
4-Methyl-2-pentanone (MIBK)	ND	-	0.0050	-	-	-	-
Naphthalene	ND	-	0.0050	-	-	-	-
n-Propyl benzene	ND	-	0.0050	-	-	-	-
Styrene	ND	-	0.0050	-	-	-	-
1,1,1,2-Tetrachloroethane	ND	-	0.0050	-	-	-	-
1,1,2,2-Tetrachloroethane	ND	-	0.0050	-	-	-	-
Tetrachloroethene	ND	-	0.0050	-	-	-	-
Toluene	ND	0.0533	0.0050	0.050	-	107	76-130
1,2,3-Trichlorobenzene	ND	-	0.0050	-	-	-	-
1,2,4-Trichlorobenzene	ND	-	0.0050	-	-	-	-
1,1,1-Trichloroethane	ND	-	0.0050	-	-	-	-
1,1,2-Trichloroethane	ND	-	0.0050	-	-	-	-
Trichloroethene	ND	0.0492	0.0050	0.050	-	98	72-132
Trichlorofluoromethane	ND	-	0.0050	-	-	-	-
1,2,3-Trichloropropane	ND	-	0.0050	-	-	-	-
1,2,4-Trimethylbenzene	ND	-	0.0050	-	-	-	-
1,3,5-Trimethylbenzene	ND	-	0.0050	-	-	-	-
Vinyl Chloride	ND	-	0.0050	-	-	-	-
Xylenes, Total	ND	-	0.0050	-	-	-	-

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Quality Control Report

Client:	ERAS Environmental, Inc.	**WorkOrder:**	1609601
Date Prepared:	9/14/16	**BatchID:**	126570
Date Analyzed:	9/14/16	**Extraction Method:**	SW5030B
Instrument:	GC10	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/kg
Project:	14-002; 3037 Adeline St, Oakland	**Sample ID:**	MB/LCS-126570 1609591-001AMS/MSD

QC Summary Report for SW8260B

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Surrogate Recovery							
Dibromofluoromethane	0.125	0.126		0.12	100	101	70-130
Toluene-d8	0.135	0.134		0.12	108	107	70-130
4-BFB	0.0135	0.0132		0.012	108	105	70-130
Benzene-d6	0.100	0.0996		0.10	100	100	60-140
Ethylbenzene-d10	0.124	0.122		0.10	124	122	60-140
1,2-DCB-d4	0.0905	0.0877		0.10	90	88	60-140

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
tert-Amyl methyl ether (TAME)	0.0386	0.0393	0.050	ND	77	79	53-116	1.76	20
Benzene	0.0428	0.0434	0.050	ND	86	87	63-137	1.57	20
t-Butyl alcohol (TBA)	0.163	0.152	0.20	ND	82	76	41-135	6.80	20
Chlorobenzene	0.0435	0.0441	0.050	ND	87	88	77-121	1.31	20
1,2-Dibromoethane (EDB)	0.0420	0.0421	0.050	ND	84	84	67-119	0	20
1,2-Dichloroethane (1,2-DCA)	0.0406	0.0408	0.050	ND	81	82	58-135	0.651	20
1,1-Dichloroethene	0.0409	0.0418	0.050	ND	82	84	42-145	2.29	20
Diisopropyl ether (DIPE)	0.0396	0.0400	0.050	ND	79	80	52-129	1.11	20
Ethyl tert-butyl ether (ETBE)	0.0397	0.0402	0.050	ND	79	80	53-125	1.13	20
Methyl-t-butyl ether (MTBE)	0.0395	0.0401	0.050	ND	79	80	58-122	1.38	20
Toluene	0.0467	0.0469	0.050	ND	93	94	76-130	0.463	20
Trichloroethene	0.0443	0.0455	0.050	ND	89	91	72-132	2.65	20
Surrogate Recovery									
Dibromofluoromethane	0.125	0.124	0.12		100	99	70-130	0.783	20
Toluene-d8	0.131	0.131	0.12		105	105	70-130	0	20
4-BFB	0.0129	0.0131	0.012		103	105	70-130	1.73	20
Benzene-d6	0.0894	0.0914	0.10		89	91	60-140	2.26	20
Ethylbenzene-d10	0.106	0.109	0.10		106	109	60-140	3.39	20
1,2-DCB-d4	0.0808	0.0830	0.10		81	83	60-140	2.62	20

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Quality Control Report

Client:	ERAS Environmental, Inc.	**WorkOrder:**	1609601
Date Prepared:	9/14/16	**BatchID:**	126584
Date Analyzed:	9/15/16	**Extraction Method:**	SW3550B
Instrument:	GC11A	**Analytical Method:**	SW8015B
Matrix:	Soil	**Unit:**	mg/Kg
Project:	14-002; 3037 Adeline St, Oakland	**Sample ID:**	MB/LCS-126584 1609591-002AMS/MSD

QC Report for SW8015B w/out SG Clean-Up

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
TPH-Diesel (C10-C23)	ND	40.8	1.0	40	-	102	70-130
TPH-Motor Oil (C18-C36)	ND	-	5.0	-	-	-	-
Surrogate Recovery							
C9	21.2	21.5		25	85	86	70-130

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
TPH-Diesel (C10-C23)	43.8	36.4	40	ND	109	91	70-130	18.4	30
Surrogate Recovery									
C9	21.1	20.8	25		84	83	70-130	1.47	30

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Quality Control Report

Client:	ERAS Environmental, Inc.	**WorkOrder:**	1609601
Date Prepared:	9/15/16	**BatchID:**	126630
Date Analyzed:	9/15/16	**Extraction Method:**	SW3550B
Instrument:	GC17	**Analytical Method:**	SW8270C
Matrix:	Soil	**Unit:**	mg/Kg
Project:	14-002; 3037 Adeline St, Oakland	**Sample ID:**	MB/LCS-126630 1609601-001AMS/MSD

QC Summary Report for SW8270C

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Acenaphthene	ND	4.38	0.25	5	-	88	46-118
Acenaphthylene	ND	-	0.25	-	-	-	-
Acetochlor	ND	-	0.25	-	-	-	-
Anthracene	ND	-	0.25	-	-	-	-
Benzidine	ND	-	1.3	-	-	-	-
Benzo (a) anthracene	ND	-	0.25	-	-	-	-
Benzo (a) pyrene	ND	-	0.25	-	-	-	-
Benzo (b) fluoranthene	ND	-	0.25	-	-	-	-
Benzo (g,h,i) perylene	ND	-	0.25	-	-	-	-
Benzo (k) fluoranthene	ND	-	0.25	-	-	-	-
Benzyl Alcohol	ND	-	1.3	-	-	-	-
1,1-Biphenyl	ND	-	0.25	-	-	-	-
Bis (2-chloroethoxy) Methane	ND	-	0.25	-	-	-	-
Bis (2-chloroethyl) Ether	ND	-	0.25	-	-	-	-
Bis (2-chloroisopropyl) Ether	ND	-	0.25	-	-	-	-
Bis (2-ethylhexyl) Adipate	ND	-	0.25	-	-	-	-
Bis (2-ethylhexyl) Phthalate	ND	-	0.25	-	-	-	-
4-Bromophenyl Phenyl Ether	ND	-	0.25	-	-	-	-
Butylbenzyl Phthalate	ND	-	0.25	-	-	-	-
4-Chloroaniline	ND	-	0.50	-	-	-	-
4-Chloro-3-methylphenol	ND	4.99	0.25	5	-	100	49-123
2-Chloronaphthalene	ND	-	0.25	-	-	-	-
2-Chlorophenol	ND	4.72	0.25	5	-	94	55-116
4-Chlorophenyl Phenyl Ether	ND	-	0.25	-	-	-	-
Chrysene	ND	-	0.25	-	-	-	-
Dibenzo (a,h) anthracene	ND	-	0.25	-	-	-	-
Dibenzofuran	ND	-	0.25	-	-	-	-
Di-n-butyl Phthalate	ND	-	0.25	-	-	-	-
1,2-Dichlorobenzene	ND	-	0.25	-	-	-	-
1,3-Dichlorobenzene	ND	-	0.25	-	-	-	-
1,4-Dichlorobenzene	ND	4.05	0.25	5	-	81	50-102
3,3-Dichlorobenzidine	ND	-	0.50	-	-	-	-
2,4-Dichlorophenol	ND	-	0.25	-	-	-	-
Diethyl Phthalate	ND	-	0.25	-	-	-	-
2,4-Dimethylphenol	ND	-	0.25	-	-	-	-
Dimethyl Phthalate	ND	-	0.25	-	-	-	-
4,6-Dinitro-2-methylphenol	ND	-	1.3	-	-	-	-

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Quality Control Report

Client:	ERAS Environmental, Inc.	**WorkOrder:**	1609601
Date Prepared:	9/15/16	**BatchID:**	126630
Date Analyzed:	9/15/16	**Extraction Method:**	SW3550B
Instrument:	GC17	**Analytical Method:**	SW8270C
Matrix:	Soil	**Unit:**	mg/Kg
Project:	14-002; 3037 Adeline St, Oakland	**Sample ID:**	MB/LCS-126630 1609601-001AMS/MSD

QC Summary Report for SW8270C

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
2,4-Dinitrophenol	ND	-	6.3	-	-	-	-
2,4-Dinitrotoluene	ND	4.73	0.25	5	-	94	47-117
2,6-Dinitrotoluene	ND	-	0.25	-	-	-	-
Di-n-octyl Phthalate	ND	-	0.50	-	-	-	-
1,2-Diphenylhydrazine	ND	-	0.25	-	-	-	-
Fluoranthene	ND	-	0.25	-	-	-	-
Fluorene	ND	-	0.25	-	-	-	-
Hexachlorobenzene	ND	-	0.25	-	-	-	-
Hexachlorobutadiene	ND	-	0.25	-	-	-	-
Hexachlorocyclopentadiene	ND	-	1.3	-	-	-	-
Hexachloroethane	ND	-	0.25	-	-	-	-
Indeno (1,2,3-cd) pyrene	ND	-	0.25	-	-	-	-
Isophorone	ND	-	0.25	-	-	-	-
2-Methylnaphthalene	ND	-	0.25	-	-	-	-
2-Methylphenol (o-Cresol)	ND	-	0.25	-	-	-	-
3 & 4-Methylphenol (m,p-Cresol)	ND	-	0.25	-	-	-	-
Naphthalene	ND	-	0.25	-	-	-	-
2-Nitroaniline	ND	-	1.3	-	-	-	-
3-Nitroaniline	ND	-	1.3	-	-	-	-
4-Nitroaniline	ND	-	1.3	-	-	-	-
Nitrobenzene	ND	-	0.25	-	-	-	-
2-Nitrophenol	ND	-	1.3	-	-	-	-
4-Nitrophenol	ND	3.80	1.3	5	-	76	40-102
N-Nitrosodiphenylamine	ND	-	0.25	-	-	-	-
N-Nitrosodi-n-propylamine	ND	4.63	0.25	5	-	93	47-108
Pentachlorophenol	ND	4.52	1.3	5	-	90	39-134
Phenanthrene	ND	-	0.25	-	-	-	-
Phenol	ND	4.45	0.25	5	-	89	49-107
Pyrene	ND	4.89	0.25	5	-	98	55-124
1,2,4-Trichlorobenzene	ND	4.67	0.25	5	-	93	51-121
2,4,5-Trichlorophenol	ND	-	0.25	-	-	-	-
2,4,6-Trichlorophenol	ND	-	0.25	-	-	-	-

(Cont.)

NELAP 4033ORELAP

QA/QC Officer

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Quality Control Report

Client:	ERAS Environmental, Inc.	**WorkOrder:**	1609601
Date Prepared:	9/15/16	**BatchID:**	126630
Date Analyzed:	9/15/16	**Extraction Method:**	SW3550B
Instrument:	GC17	**Analytical Method:**	SW8270C
Matrix:	Soil	**Unit:**	mg/Kg
Project:	14-002; 3037 Adeline St, Oakland	**Sample ID:**	MB/LCS-126630 1609601-001AMS/MSD

QC Summary Report for SW8270C

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Surrogate Recovery							
2-Fluorophenol	5.10	5.08		5	102	102	47-125
Phenol-d5	4.85	4.88		5	97	98	45-117
Nitrobenzene-d5	4.57	4.93		5	91	99	39-121
2-Fluorobiphenyl	4.07	4.44		5	81	89	35-120
2,4,6-Tribromophenol	4.44	4.61		5	89	92	32-111
4-Terphenyl-d14	4.22	4.68		5	84	94	32-128

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
Acenaphthene	NR	NR		ND<100	NR	NR	-	NR	
4-Chloro-3-methylphenol	NR	NR		ND<100	NR	NR	-	NR	
2-Chlorophenol	NR	NR		ND<100	NR	NR	-	NR	
1,4-Dichlorobenzene	NR	NR		ND<100	NR	NR	-	NR	
2,4-Dinitrotoluene	NR	NR		ND<100	NR	NR	-	NR	
4-Nitrophenol	NR	NR		ND<520	NR	NR	-	NR	
N-Nitrosodi-n-propylamine	NR	NR		ND<100	NR	NR	-	NR	
Pentachlorophenol	NR	NR		ND<520	NR	NR	-	NR	
Phenol	NR	NR		ND<100	NR	NR	-	NR	
Pyrene	NR	NR		ND<100	NR	NR	-	NR	
1,2,4-Trichlorobenzene	NR	NR		ND<100	NR	NR	-	NR	
Surrogate Recovery									
2-Fluorophenol	NR	NR			NR	NR	-	NR	
Phenol-d5	NR	NR			NR	NR	-	NR	
Nitrobenzene-d5	NR	NR			NR	NR	-	NR	
2-Fluorobiphenyl	NR	NR			NR	NR	-	NR	
2,4,6-Tribromophenol	NR	NR			NR	NR	-	NR	
4-Terphenyl-d14	NR	NR			NR	NR	-	NR	

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Quality Control Report

Client:	ERAS Environmental, Inc.	**WorkOrder:**	1609601
Date Prepared:	9/14/16	**BatchID:**	126579
Date Analyzed:	9/14/16	**Extraction Method:**	SW5030B
Instrument:	GC19	**Analytical Method:**	SW8021B/8015Bm
Matrix:	Soil	**Unit:**	mg/Kg
Project:	14-002; 3037 Adeline St, Oakland	**Sample ID:**	MB/LCS-126579 1609601-002AMS/MSD

QC Summary Report for SW8021B/8015Bm

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
TPH(btex)	ND	0.704	0.40	0.60	-	117	70-130
MTBE	ND	0.0901	0.050	0.10	-	90	70-130
Benzene	ND	0.101	0.0050	0.10	-	101	70-130
Toluene	ND	0.109	0.0050	0.10	-	109	70-130
Ethylbenzene	ND	0.113	0.0050	0.10	-	113	70-130
Xylenes	ND	0.340	0.015	0.30	-	113	70-130
Surrogate Recovery							
2-Fluorotoluene	0.115	0.108		0.10	115	108	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		ND<8	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		ND<0.1	NR	NR	-	NR	
Xylenes	NR	NR		ND<0.3	NR	NR	-	NR	
Surrogate Recovery									
2-Fluorotoluene	NR	NR			NR	NR	-	NR	

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CHAIN-OF-CUSTODY RECORD

WorkOrder: 1609601 **ClientCode: ERAS**

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Report to:
Dave Siegel
ERAS Environmental, Inc.
1533 B Street
Hayward, CA 94541
(510) 247-9885 FAX: (510) 886-5399

Email: info@eras.biz
cc/3rd Party:
PO:
ProjectNo: 14-002; 3037 Adeline St, Oakland

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

Requested TAT: **5 days;**

Date Received: **09/14/2016**
Date Logged: **09/14/2016**

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
1609601-001	E-1	Soil	9/14/2016 12:08	☐	A	A	A	A								
1609601-002	E-2	Soil	9/14/2016 12:10	☐	A	A	A	A								
1609601-003	E-3	Soil	9/14/2016 12:13	☐	A	A	A	A								
1609601-004	E-4	Soil	9/14/2016 12:16	☐	A	A	A	A								
1609601-005	E-5	Soil	9/14/2016 12:19	☐	A	A	A	A								
1609601-006	E-6	Soil	9/14/2016 12:21	☐	A	A	A	A								

Test Legend:

1	8260B_S	2	8270_S	3	G-MBTEX_S	4	TPH(DMO)_S
5		6		7		8	
9		10		11		12	

Prepared by: Agustina Venegas

The following SampIDs: 001A, 002A, 003A, 004A, 005A, 006A contain testgroup Multi Range_S.

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.

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WORK ORDER SUMMARY

Client Name: ERAS ENVIRONMENTAL, INC. **Project:** 14-002; 3037 Adeline St, Oakland **Work Order:** 1609601
Client Contact: Dave Siegel **QC Level:** LEVEL 2
Contact's Email: info@eras.biz **Comments:** **Date Logged:** 9/14/2016

☐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
1609601-001A	E-1	Soil	Multi-Range TPH(g,d,mo) by EPA 8015Bm	1	Acetate Liner	☐	9/14/2016 12:08	5 days		☐	
			SW8270C (SVOCs)			☐		5 days		☐	
			SW8260B (VOCs)			☐		5 days		☐	
1609601-002A	E-2	Soil	Multi-Range TPH(g,d,mo) by EPA 8015Bm	1	Acetate Liner	☐	9/14/2016 12:10	5 days		☐	
			SW8270C (SVOCs)			☐		5 days		☐	
			SW8260B (VOCs)			☐		5 days		☐	
1609601-003A	E-3	Soil	Multi-Range TPH(g,d,mo) by EPA 8015Bm	1	Acetate Liner	☐	9/14/2016 12:13	5 days		☐	
			SW8270C (SVOCs)			☐		5 days		☐	
			SW8260B (VOCs)			☐		5 days		☐	
1609601-004A	E-4	Soil	Multi-Range TPH(g,d,mo) by EPA 8015Bm	1	Acetate Liner	☐	9/14/2016 12:16	5 days		☐	
			SW8270C (SVOCs)			☐		5 days		☐	
			SW8260B (VOCs)			☐		5 days		☐	
1609601-005A	E-5	Soil	Multi-Range TPH(g,d,mo) by EPA 8015Bm	1	Acetate Liner	☐	9/14/2016 12:19	5 days		☐	
			SW8270C (SVOCs)			☐		5 days		☐	
			SW8260B (VOCs)			☐		5 days		☐	

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.

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WORK ORDER SUMMARY

Client Name: ERAS ENVIRONMENTAL, INC. **Project:** 14-002; 3037 Adeline St, Oakland **Work Order:** 1609601
Client Contact: Dave Siegel **QC Level:** LEVEL 2
Contact's Email: info@eras.biz **Comments:** **Date Logged:** 9/14/2016

☐ 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
1609601-006A	E-6	Soil	Multi-Range TPH(g,d,mo) by EPA 8015Bm	1	Acetate Liner	☐	9/14/2016 12:21	5 days		☐	
			SW8270C (SVOCs)			☐		5 days		☐	
			SW8260B (VOCs)			☐		5 days		☐	

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 1609601

McCampbell Analytical, Inc
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Pittsburg, CA 94565
877.252.9262
925.252.9269 - fax

Turnaround Time: Rush | 24Hr | 48 Hr | 72 Hr | X 5 Day

Geotracker: PDF | Excel | Write On (DW

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

Project location 3037 Adeline St, Oakland

Sampler: David Siegel

Sample ID	Location/Field Point Name	Sampling Date	Sampling Time	# of Containers	Container Type	Matrix: Soil	Matrix: Water	Matrix: Waste	Preservative: HCL	Preservative: H2SO4	Preservative: HNO3	Preservative: ICE	Preservative: None	Analysis Requested: TPH-gro	Analysis Requested: TPH-dro/TPH-oro	Analysis Requested: VOCs by EPA Method 8260	Analysis Requested: SVOCs by EPA Method 8270	Other	Comments
	E-1	9/14/2016	1208	1	P	x						x		x	x	x	x		
	E-2	9/14/2016	1210	1	P	x						x		x	x	x	x		
	E-3	9/14/2016	1213	1	P	x						x		x	x	x	x		
	E-4	9/14/2016	1216	1	P	x						x		x	x	x	x		
	E-5	9/14/2016	1219	1	P	x						x		x	x	x	x		
	E-6	9/14/2016	1221	1	P	x						x		x	x	x	x		

RELINQUISHED BY: **RECEIVED BY:**

Relinquished by:	Date:	Time:	Received by:
David Siegel	9/14/16	1237	
Relinquished by:	Date:	Time:	Received by:
	9/14/16	1530	
Relinquished by:	Date:	Time:	Received by:

ICE/t° Condition	9.2	Comments: Please PDF
Head space absent		
Dechlorinated in lab		
Appropriate containers		
Preserved in Lab		
Preservation	VOA's O&G Metals Other pH<2	

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Sample Receipt Checklist

Client Name:	**ERAS Environmental, Inc.**	Date and Time Received:	**9/14/2016 15:30**
Project Name:	**14-002; 3037 Adeline St, Oakland**	Date Logged:	**9/14/2016**
		Received by:	Agustina Venegas
WorkOrder №:	**1609601** Matrix: Soil	Logged by:	Agustina Venegas
Carrier:	David Shaver (MAI Courier)		

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: 9.2°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:

McCampbell Analytical, Inc.

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Analytical Report

WorkOrder: 1609600

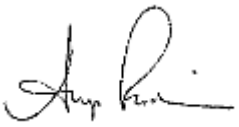
Report Created for: ERAS Environmental, Inc.

1533 B Street
Hayward, CA 94541

Project Contact: Dave Siegel
Project P.O.:
Project Name: 14-002; 3037 Adeline St, Oakland

Project Received: 09/14/2016

Analytical Report reviewed & approved for release on 09/15/2016 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.

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Glossary of Terms & Qualifier Definitions

Client: ERAS Environmental, Inc.
Project: 14-002; 3037 Adeline St, Oakland
WorkOrder: 1609600

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)

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Analytical Report

Client:	ERAS Environmental, Inc.	**WorkOrder:**	1609600
Date Received:	9/14/16 15:30	**Extraction Method:**	SW3050B
Date Prepared:	9/14/16	**Analytical Method:**	SW6020
Project:	14-002; 3037 Adeline St, Oakland	**Unit:**	mg/kg

Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-1	1609600-001A	Soil	09/14/2016 12:08	ICP-MS2	126564

Analytes	Result	RL	DF	Date Analyzed
Copper	**66**	0.50	1	09/15/2016 09:55
Lead	**21**	0.50	1	09/15/2016 09:55
Tin	ND	5.0	1	09/15/2016 09:55

Surrogates	REC (%)	Limits	
Terbium	104	70-130	09/15/2016 09:55

Analyst(s): DVH

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-2	1609600-002A	Soil	09/14/2016 12:10	ICP-MS2	126564

Analytes	Result	RL	DF	Date Analyzed
Copper	**31**	0.50	1	09/15/2016 10:01
Lead	**9.6**	0.50	1	09/15/2016 10:01
Tin	ND	5.0	1	09/15/2016 10:01

Surrogates	REC (%)	Limits	
Terbium	94	70-130	09/15/2016 10:01

Analyst(s): DVH

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-3	1609600-003A	Soil	09/14/2016 12:13	ICP-MS2	126564

Analytes	Result	RL	DF	Date Analyzed
Copper	**2000**	5.0	10	09/15/2016 13:47
Lead	**140**	0.50	1	09/15/2016 10:07
Tin	**140**	5.0	1	09/15/2016 10:07

Surrogates	REC (%)	Limits	
Terbium	106	70-130	09/15/2016 10:07

Analyst(s): DVH

(Cont.)

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Analytical Report

Client:	ERAS Environmental, Inc.	**WorkOrder:**	1609600
Date Received:	9/14/16 15:30	**Extraction Method:**	SW3050B
Date Prepared:	9/14/16	**Analytical Method:**	SW6020
Project:	14-002; 3037 Adeline St, Oakland	**Unit:**	mg/kg

Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-4	**1609600-004A**	**Soil**	**09/14/2016 12:16**	**ICP-MS2**	**126564**

Analytes	Result	RL	DF	Date Analyzed
Copper	**4600**	10	20	09/15/2016 13:53
Lead	**490**	10	20	09/15/2016 13:53
Tin	**250**	5.0	1	09/15/2016 10:13

Surrogates	REC (%)	Limits	
Terbium	106	70-130	09/15/2016 10:13

Analyst(s): DVH

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-5	**1609600-005A**	**Soil**	**09/14/2016 12:19**	**ICP-MS2**	**126594**

Analytes	Result	RL	DF	Date Analyzed
Copper	**1300**	5.0	10	09/15/2016 14:00
Lead	**130**	0.50	1	09/15/2016 10:19
Tin	**91**	5.0	1	09/15/2016 10:19

Surrogates	REC (%)	Limits	
Terbium	105	70-130	09/15/2016 10:19

Analyst(s): DVH

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-6	**1609600-006A**	**Soil**	**09/14/2016 12:21**	**ICP-MS2**	**126594**

Analytes	Result	RL	DF	Date Analyzed
Copper	**25**	0.50	1	09/15/2016 10:49
Lead	**8.8**	0.50	1	09/15/2016 10:49
Tin	ND	5.0	1	09/15/2016 10:49

Surrogates	REC (%)	Limits	
Terbium	114	70-130	09/15/2016 10:49

Analyst(s): DVH

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Quality Control Report

Client:	ERAS Environmental, Inc.	**WorkOrder:**	1609600
Date Prepared:	9/13/16	**BatchID:**	126564
Date Analyzed:	9/14/16	**Extraction Method:**	SW3050B
Instrument:	ICP-MS2	**Analytical Method:**	SW6020
Matrix:	Soil	**Unit:**	mg/Kg
Project:	14-002; 3037 Adeline St, Oakland	**Sample ID:**	MB/LCS-126564 1609570-004AMS/MSD

QC Summary Report for Metals

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Copper	ND	50.1	0.50	50	-	100	75-125
Lead	ND	50.5	0.50	50	-	101	75-125
Tin	ND	51.7	5.0	50	-	103	75-125
Surrogate Recovery							
Terbium	536	519		500	107	104	70-130

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
Copper	67.8	68.0	50	11	113	113	75-125	0	20
Lead	59.5	59.2	50	7.8	103	103	75-125	0	20
Tin	54.2	54.0	50	ND	108	108	75-125	0	20
Surrogate Recovery									
Terbium	545	542	500		109	108	70-130	0.515	20

Analyte	DLT Result	DLTRef Val	%D	%D Limit
Copper	10.9	11	0.909	-
Lead	7.65	7.8	1.92	-
Tin	ND<25	ND	-	-

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

(Cont.)

CDPH ELAP 1644 • NELAP 4033ORELAP

QA/QC Officer

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Quality Control Report

Client:	ERAS Environmental, Inc.	**WorkOrder:**	1609600
Date Prepared:	9/14/16	**BatchID:**	126594
Date Analyzed:	9/15/16	**Extraction Method:**	SW3050B
Instrument:	ICP-MS2	**Analytical Method:**	SW6020
Matrix:	Soil	**Unit:**	mg/Kg
Project:	14-002; 3037 Adeline St, Oakland	**Sample ID:**	MB/LCS-126594 1609600-006AMS/MSD

QC Summary Report for Metals

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Copper	ND	51.4	0.50	50	-	103	75-125
Lead	ND	51.8	0.50	50	-	104	75-125
Tin	ND	53.0	5.0	50	-	106	75-125
Surrogate Recovery							
Terbium	546	544		500	109	109	70-130

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
Copper	71.9	69.1	50	24.70	94	89	75-125	4.03	20
Lead	57.8	56.3	50	8.750	98	95	75-125	2.58	20
Tin	50.4	52.0	50	ND	101	104	75-125	3.13	20
Surrogate Recovery									
Terbium	517	530	500		103	106	70-130	2.56	20

Analyte	DLT Result	DLTRef Val	%D	%D Limit
Copper	23.5	24.70	4.86	20
Lead	7.92	8.750	9.49	-
Tin	ND<25	ND	-	-

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

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CHAIN-OF-CUSTODY RECORD

WorkOrder: 1609600 **ClientCode: ERAS**

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Report to:
Dave Siegel
ERAS Environmental, Inc.
1533 B Street
Hayward, CA 94541
(510) 247-9885 FAX: (510) 886-5399

Email: info@eras.biz
cc/3rd Party:
PO:
ProjectNo: 14-002; 3037 Adeline St, Oakland

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

Requested TAT: **1 day;**

Date Received: **09/14/2016**
Date Logged: **09/14/2016**

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
1609600-001	E-1	Soil	9/14/2016 12:08	☐	A											
1609600-002	E-2	Soil	9/14/2016 12:10	☐	A											
1609600-003	E-3	Soil	9/14/2016 12:13	☐	A											
1609600-004	E-4	Soil	9/14/2016 12:16	☐	A											
1609600-005	E-5	Soil	9/14/2016 12:19	☐	A											
1609600-006	E-6	Soil	9/14/2016 12:21	☐	A											

Test Legend:

1	METALSMS_TTLC_S	2		3		4	
5		6		7		8	
9		10		11		12	

Prepared by: Agustina Venegas

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.

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WORK ORDER SUMMARY

Client Name: ERAS ENVIRONMENTAL, INC. **Project:** 14-002; 3037 Adeline St, Oakland **Work Order:** 1609600
Client Contact: Dave Siegel **QC Level:** LEVEL 2
Contact's Email: info@eras.biz **Comments:** **Date Logged:** 9/14/2016

☐ 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
1609600-001A	E-1	Soil	SW6020 (Metals) <Copper, Lead, Tin>	1	Acetate Liner	☐	9/14/2016 12:08	1 day		☐	
1609600-002A	E-2	Soil	SW6020 (Metals) <Copper, Lead, Tin>	1	Acetate Liner	☐	9/14/2016 12:10	1 day		☐	
1609600-003A	E-3	Soil	SW6020 (Metals) <Copper, Lead, Tin>	1	Acetate Liner	☐	9/14/2016 12:13	1 day		☐	
1609600-004A	E-4	Soil	SW6020 (Metals) <Copper, Lead, Tin>	1	Acetate Liner	☐	9/14/2016 12:16	1 day		☐	
1609600-005A	E-5	Soil	SW6020 (Metals) <Copper, Lead, Tin>	1	Acetate Liner	☐	9/14/2016 12:19	1 day		☐	
1609600-006A	E-6	Soil	SW6020 (Metals) <Copper, Lead, Tin>	1	Acetate Liner	☐	9/14/2016 12:21	1 day		☐	

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.

RUSH

CHAIN OF CUSTODY FORM

1609600

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

Turnaround Time:	Rush	X 24Hr	48 Hr	72 Hr	5 Day
Geotracker:	PDF	Excel	Write On (DW		

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
Project location 3037 Adeline St, Oakland
Sampler: David Siegel

Sample ID	Location/Field Point Name	Sampling Date	Sampling Time	# of Containers	Container Type	Matrix: Soil	Matrix: Water	Matrix: Waste	Preservative: HCL	Preservative: H2SO4	Preservative: HNO3	Preservative: ICE	Preservative: None	Analysis Requested: copper, lead, tin	Other	Comments
	E-1	9/14/2016	1208	1	P	x						x		x		
	E-2	9/14/2016	1210	1	P	x						x		x		
	E-3	9/14/2016	1213	1	P	x						x		x		
	E-4	9/14/2016	1216	1	P	x						x		x		
	E-5	9/14/2016	1219	1	P	x						x		x		
	E-6	9/14/2016	1221	1	P	x						x		x		

RELINQUISHED BY: **RECEIVED BY:**

Relinquished by:	Date: 9-14-16	Time: 1237	Received by:		
Relinquished by:	Date: 9-14-16	Time: 1570	Received by:		
Relinquished by:	Date:	Time:	Received by:		

ICE/t° Condition	9.2	Comments: Please PDF
Head space absent		
Dechlorinated in lab		
Appropriate containers		
Preserved in Lab		
Preservation	VOA's O&G Metals Other pH<2	

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Sample Receipt Checklist

Client Name:	**ERAS Environmental, Inc.**	Date and Time Received:	**9/14/2016 15:30**
Project Name:	**14-002; 3037 Adeline St, Oakland**	Date Logged:	**9/14/2016**
		Received by:	Agustina Venegas
WorkOrder №:	**1609600** Matrix: Soil	Logged by:	Agustina Venegas
Carrier:	David Shaver (MAI Courier)		

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: 9.2°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:

McCampbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 1609666

Report Created for: ERAS Environmental, Inc.

1533 B Street
Hayward, CA 94541

Project Contact: Dave Siegel
Project P.O.:
Project Name: 14-002; 3037 Adeline St, Oakland

Project Received: 09/15/2016

Analytical Report reviewed & approved for release on 09/22/2016 by:

Angela Rydelius,
Laboratory Manager

McCampbell Analytical, Inc.
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Glossary of Terms & Qualifier Definitions

Client: ERAS Environmental, Inc.
Project: 14-002; 3037 Adeline St, Oakland
WorkOrder: 1609666

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)

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Glossary of Terms & Qualifier Definitions

Client: ERAS Environmental, Inc.
Project: 14-002; 3037 Adeline St, Oakland
WorkOrder: 1609666

Analytical Qualifiers

S	Surrogate spike recovery outside accepted recovery limits
a3	sample diluted due to high organic content.
a4	reporting limits raised due to the sample's matrix prohibiting a full volume extraction.
c1	surrogate recovery outside of the control limits due to the dilution of the sample.
c2	surrogate recovery outside of the control limits due to matrix interference.
c7	Surrogate value diluted out of range
d7	strongly aged gasoline or diesel range compounds are significant in the TPH(g) chromatogram
e2	diesel range compounds are significant; no recognizable pattern
e7	oil range compounds are significant

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Analytical Report

Client:	ERAS Environmental, Inc.	**WorkOrder:**	1609666
Date Received:	9/15/16 14:13	**Extraction Method:**	SW5030B
Date Prepared:	9/15/16	**Analytical Method:**	SW8260B
Project:	14-002; 3037 Adeline St, Oakland	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-7	1609666-001A	Soil	09/15/2016 12:58	GC10	126628

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	0.10	1	09/19/2016 09:42
tert-Amyl methyl ether (TAME)	ND	0.0050	1	09/19/2016 09:42
Benzene	ND	0.0050	1	09/19/2016 09:42
Bromobenzene	ND	0.0050	1	09/19/2016 09:42
Bromochloromethane	ND	0.0050	1	09/19/2016 09:42
Bromodichloromethane	ND	0.0050	1	09/19/2016 09:42
Bromoform	ND	0.0050	1	09/19/2016 09:42
Bromomethane	ND	0.0050	1	09/19/2016 09:42
2-Butanone (MEK)	ND	0.020	1	09/19/2016 09:42
t-Butyl alcohol (TBA)	ND	0.050	1	09/19/2016 09:42
n-Butyl benzene	ND	0.0050	1	09/19/2016 09:42
sec-Butyl benzene	ND	0.0050	1	09/19/2016 09:42
tert-Butyl benzene	ND	0.0050	1	09/19/2016 09:42
Carbon Disulfide	ND	0.0050	1	09/19/2016 09:42
Carbon Tetrachloride	ND	0.0050	1	09/19/2016 09:42
Chlorobenzene	ND	0.0050	1	09/19/2016 09:42
Chloroethane	ND	0.0050	1	09/19/2016 09:42
Chloroform	ND	0.0050	1	09/19/2016 09:42
Chloromethane	ND	0.0050	1	09/19/2016 09:42
2-Chlorotoluene	ND	0.0050	1	09/19/2016 09:42
4-Chlorotoluene	ND	0.0050	1	09/19/2016 09:42
Dibromochloromethane	ND	0.0050	1	09/19/2016 09:42
1,2-Dibromo-3-chloropropane	ND	0.0040	1	09/19/2016 09:42
1,2-Dibromoethane (EDB)	ND	0.0040	1	09/19/2016 09:42
Dibromomethane	ND	0.0050	1	09/19/2016 09:42
1,2-Dichlorobenzene	ND	0.0050	1	09/19/2016 09:42
1,3-Dichlorobenzene	ND	0.0050	1	09/19/2016 09:42
1,4-Dichlorobenzene	ND	0.0050	1	09/19/2016 09:42
Dichlorodifluoromethane	ND	0.0050	1	09/19/2016 09:42
1,1-Dichloroethane	ND	0.0050	1	09/19/2016 09:42
1,2-Dichloroethane (1,2-DCA)	ND	0.0040	1	09/19/2016 09:42
1,1-Dichloroethene	ND	0.0050	1	09/19/2016 09:42
cis-1,2-Dichloroethene	ND	0.0050	1	09/19/2016 09:42
trans-1,2-Dichloroethene	ND	0.0050	1	09/19/2016 09:42
1,2-Dichloropropane	ND	0.0050	1	09/19/2016 09:42
1,3-Dichloropropane	ND	0.0050	1	09/19/2016 09:42
2,2-Dichloropropane	ND	0.0050	1	09/19/2016 09:42

(Cont.)

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Analytical Report

Client:	ERAS Environmental, Inc.	**WorkOrder:**	1609666
Date Received:	9/15/16 14:13	**Extraction Method:**	SW5030B
Date Prepared:	9/15/16	**Analytical Method:**	SW8260B
Project:	14-002; 3037 Adeline St, Oakland	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-7	1609666-001A	Soil	09/15/2016 12:58	GC10	126628

Analytes	Result	RL	DF	Date Analyzed
1,1-Dichloropropene	ND	0.0050	1	09/19/2016 09:42
cis-1,3-Dichloropropene	ND	0.0050	1	09/19/2016 09:42
trans-1,3-Dichloropropene	ND	0.0050	1	09/19/2016 09:42
Diisopropyl ether (DIPE)	ND	0.0050	1	09/19/2016 09:42
Ethylbenzene	ND	0.0050	1	09/19/2016 09:42
Ethyl tert-butyl ether (ETBE)	ND	0.0050	1	09/19/2016 09:42
Freon 113	ND	0.0050	1	09/19/2016 09:42
Hexachlorobutadiene	ND	0.0050	1	09/19/2016 09:42
Hexachloroethane	ND	0.0050	1	09/19/2016 09:42
2-Hexanone	ND	0.0050	1	09/19/2016 09:42
Isopropylbenzene	ND	0.0050	1	09/19/2016 09:42
4-Isopropyl toluene	ND	0.0050	1	09/19/2016 09:42
Methyl-t-butyl ether (MTBE)	ND	0.0050	1	09/19/2016 09:42
Methylene chloride	ND	0.0050	1	09/19/2016 09:42
4-Methyl-2-pentanone (MIBK)	ND	0.0050	1	09/19/2016 09:42
Naphthalene	ND	0.0050	1	09/19/2016 09:42
n-Propyl benzene	ND	0.0050	1	09/19/2016 09:42
Styrene	ND	0.0050	1	09/19/2016 09:42
1,1,1,2-Tetrachloroethane	ND	0.0050	1	09/19/2016 09:42
1,1,2,2-Tetrachloroethane	ND	0.0050	1	09/19/2016 09:42
Tetrachloroethene	ND	0.0050	1	09/19/2016 09:42
Toluene	ND	0.0050	1	09/19/2016 09:42
1,2,3-Trichlorobenzene	ND	0.0050	1	09/19/2016 09:42
1,2,4-Trichlorobenzene	ND	0.0050	1	09/19/2016 09:42
1,1,1-Trichloroethane	ND	0.0050	1	09/19/2016 09:42
1,1,2-Trichloroethane	ND	0.0050	1	09/19/2016 09:42
Trichloroethene	ND	0.0050	1	09/19/2016 09:42
Trichlorofluoromethane	ND	0.0050	1	09/19/2016 09:42
1,2,3-Trichloropropane	ND	0.0050	1	09/19/2016 09:42
1,2,4-Trimethylbenzene	ND	0.0050	1	09/19/2016 09:42
1,3,5-Trimethylbenzene	ND	0.0050	1	09/19/2016 09:42
Vinyl Chloride	ND	0.0050	1	09/19/2016 09:42
Xylenes, Total	ND	0.0050	1	09/19/2016 09:42

(Cont.)

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Angela Rydelius, Lab Manager

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Analytical Report

Client:	ERAS Environmental, Inc.	**WorkOrder:**	1609666
Date Received:	9/15/16 14:13	**Extraction Method:**	SW5030B
Date Prepared:	9/15/16	**Analytical Method:**	SW8260B
Project:	14-002; 3037 Adeline St, Oakland	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-7	**1609666-001A**	**Soil**	**09/15/2016 12:58**	**GC10**	**126628**

Analytes	Result	RL	DF	Date Analyzed
Surrogates	REC (%)	Limits		
Dibromofluoromethane	101	70-130		09/19/2016 09:42
Toluene-d8	103	70-130		09/19/2016 09:42
4-BFB	102	70-130		09/19/2016 09:42
Benzene-d6	91	60-140		09/19/2016 09:42
Ethylbenzene-d10	111	60-140		09/19/2016 09:42
1,2-DCB-d4	87	60-140		09/19/2016 09:42

Analyst(s): KF

(Cont.)

NELAP 4033ORELAP

Angela Rydelius, Lab Manager

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Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
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Analytical Report

Client:	ERAS Environmental, Inc.	**WorkOrder:**	1609666
Date Received:	9/15/16 14:13	**Extraction Method:**	SW5030B
Date Prepared:	9/15/16	**Analytical Method:**	SW8260B
Project:	14-002; 3037 Adeline St, Oakland	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-8	1609666-002A	Soil	09/15/2016 13:06	GC10	126628

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	4.0	40	09/20/2016 17:35
tert-Amyl methyl ether (TAME)	ND	0.20	40	09/20/2016 17:35
Benzene	ND	0.20	40	09/20/2016 17:35
Bromobenzene	ND	0.20	40	09/20/2016 17:35
Bromochloromethane	ND	0.20	40	09/20/2016 17:35
Bromodichloromethane	ND	0.20	40	09/20/2016 17:35
Bromoform	ND	0.20	40	09/20/2016 17:35
Bromomethane	ND	0.20	40	09/20/2016 17:35
2-Butanone (MEK)	ND	0.80	40	09/20/2016 17:35
t-Butyl alcohol (TBA)	ND	2.0	40	09/20/2016 17:35
n-Butyl benzene	ND	0.20	40	09/20/2016 17:35
sec-Butyl benzene	ND	0.20	40	09/20/2016 17:35
tert-Butyl benzene	ND	0.20	40	09/20/2016 17:35
Carbon Disulfide	ND	0.20	40	09/20/2016 17:35
Carbon Tetrachloride	ND	0.20	40	09/20/2016 17:35
Chlorobenzene	ND	0.20	40	09/20/2016 17:35
Chloroethane	ND	0.20	40	09/20/2016 17:35
Chloroform	ND	0.20	40	09/20/2016 17:35
Chloromethane	ND	0.20	40	09/20/2016 17:35
2-Chlorotoluene	ND	0.20	40	09/20/2016 17:35
4-Chlorotoluene	ND	0.20	40	09/20/2016 17:35
Dibromochloromethane	ND	0.20	40	09/20/2016 17:35
1,2-Dibromo-3-chloropropane	ND	0.16	40	09/20/2016 17:35
1,2-Dibromoethane (EDB)	ND	0.16	40	09/20/2016 17:35
Dibromomethane	ND	0.20	40	09/20/2016 17:35
1,2-Dichlorobenzene	ND	0.20	40	09/20/2016 17:35
1,3-Dichlorobenzene	ND	0.20	40	09/20/2016 17:35
1,4-Dichlorobenzene	ND	0.20	40	09/20/2016 17:35
Dichlorodifluoromethane	ND	0.20	40	09/20/2016 17:35
1,1-Dichloroethane	ND	0.20	40	09/20/2016 17:35
1,2-Dichloroethane (1,2-DCA)	ND	0.16	40	09/20/2016 17:35
1,1-Dichloroethene	ND	0.20	40	09/20/2016 17:35
cis-1,2-Dichloroethene	ND	0.20	40	09/20/2016 17:35
trans-1,2-Dichloroethene	ND	0.20	40	09/20/2016 17:35
1,2-Dichloropropane	ND	0.20	40	09/20/2016 17:35
1,3-Dichloropropane	ND	0.20	40	09/20/2016 17:35
2,2-Dichloropropane	ND	0.20	40	09/20/2016 17:35

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Analytical Report

Client:	ERAS Environmental, Inc.	**WorkOrder:**	1609666
Date Received:	9/15/16 14:13	**Extraction Method:**	SW5030B
Date Prepared:	9/15/16	**Analytical Method:**	SW8260B
Project:	14-002; 3037 Adeline St, Oakland	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-8	**1609666-002A**	**Soil**	**09/15/2016 13:06**	**GC10**	**126628**

Analytes	Result	RL	DF	Date Analyzed
1,1-Dichloropropene	ND	0.20	40	09/20/2016 17:35
cis-1,3-Dichloropropene	ND	0.20	40	09/20/2016 17:35
trans-1,3-Dichloropropene	ND	0.20	40	09/20/2016 17:35
Diisopropyl ether (DIPE)	ND	0.20	40	09/20/2016 17:35
Ethylbenzene	ND	0.20	40	09/20/2016 17:35
Ethyl tert-butyl ether (ETBE)	ND	0.20	40	09/20/2016 17:35
Freon 113	ND	0.20	40	09/20/2016 17:35
Hexachlorobutadiene	ND	0.20	40	09/20/2016 17:35
Hexachloroethane	ND	0.20	40	09/20/2016 17:35
2-Hexanone	ND	0.20	40	09/20/2016 17:35
Isopropylbenzene	ND	0.20	40	09/20/2016 17:35
4-Isopropyl toluene	ND	0.20	40	09/20/2016 17:35
Methyl-t-butyl ether (MTBE)	ND	0.20	40	09/20/2016 17:35
Methylene chloride	ND	0.20	40	09/20/2016 17:35
4-Methyl-2-pentanone (MIBK)	ND	0.20	40	09/20/2016 17:35
Naphthalene	ND	0.20	40	09/20/2016 17:35
n-Propyl benzene	ND	0.20	40	09/20/2016 17:35
Styrene	ND	0.20	40	09/20/2016 17:35
1,1,1,2-Tetrachloroethane	ND	0.20	40	09/20/2016 17:35
1,1,2,2-Tetrachloroethane	ND	0.20	40	09/20/2016 17:35
Tetrachloroethene	ND	0.20	40	09/20/2016 17:35
Toluene	ND	0.20	40	09/20/2016 17:35
1,2,3-Trichlorobenzene	ND	0.20	40	09/20/2016 17:35
1,2,4-Trichlorobenzene	ND	0.20	40	09/20/2016 17:35
1,1,1-Trichloroethane	ND	0.20	40	09/20/2016 17:35
1,1,2-Trichloroethane	ND	0.20	40	09/20/2016 17:35
Trichloroethene	ND	0.20	40	09/20/2016 17:35
Trichlorofluoromethane	ND	0.20	40	09/20/2016 17:35
1,2,3-Trichloropropane	ND	0.20	40	09/20/2016 17:35
1,2,4-Trimethylbenzene	ND	0.20	40	09/20/2016 17:35
1,3,5-Trimethylbenzene	ND	0.20	40	09/20/2016 17:35
Vinyl Chloride	ND	0.20	40	09/20/2016 17:35
Xylenes, Total	ND	0.20	40	09/20/2016 17:35

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Date Received:	9/15/16 14:13	**Extraction Method:**	SW5030B
Date Prepared:	9/15/16	**Analytical Method:**	SW8260B
Project:	14-002; 3037 Adeline St, Oakland	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-8	**1609666-002A**	**Soil**	**09/15/2016 13:06**	**GC10**	**126628**

Analytes	Result		RL	DF	Date Analyzed
Surrogates	REC (%)	Qualifiers	Limits		
Dibromofluoromethane	104		70-130		09/20/2016 17:35
Toluene-d8	94		70-130		09/20/2016 17:35
4-BFB	130		70-130		09/20/2016 17:35
Benzene-d6	103		60-140		09/20/2016 17:35
Ethylbenzene-d10	51	S	60-140		09/20/2016 17:35
1,2-DCB-d4	120		60-140		09/20/2016 17:35

Analyst(s): KF Analytical Comments: a3,c7

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Analytical Report

Client:	ERAS Environmental, Inc.	**WorkOrder:**	1609666
Date Received:	9/15/16 14:13	**Extraction Method:**	SW5030B
Date Prepared:	9/15/16	**Analytical Method:**	SW8260B
Project:	14-002; 3037 Adeline St, Oakland	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-9	1609666-003A	Soil	09/15/2016 13:09	GC10	126628

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	2.0	20	09/19/2016 11:05
tert-Amyl methyl ether (TAME)	ND	0.10	20	09/19/2016 11:05
Benzene	ND	0.10	20	09/19/2016 11:05
Bromobenzene	ND	0.10	20	09/19/2016 11:05
Bromochloromethane	ND	0.10	20	09/19/2016 11:05
Bromodichloromethane	ND	0.10	20	09/19/2016 11:05
Bromoform	ND	0.10	20	09/19/2016 11:05
Bromomethane	ND	0.10	20	09/19/2016 11:05
2-Butanone (MEK)	ND	0.40	20	09/19/2016 11:05
t-Butyl alcohol (TBA)	ND	1.0	20	09/19/2016 11:05
n-Butyl benzene	ND	0.10	20	09/19/2016 11:05
sec-Butyl benzene	ND	0.10	20	09/19/2016 11:05
tert-Butyl benzene	ND	0.10	20	09/19/2016 11:05
Carbon Disulfide	ND	0.10	20	09/19/2016 11:05
Carbon Tetrachloride	ND	0.10	20	09/19/2016 11:05
Chlorobenzene	ND	0.10	20	09/19/2016 11:05
Chloroethane	ND	0.10	20	09/19/2016 11:05
Chloroform	ND	0.10	20	09/19/2016 11:05
Chloromethane	ND	0.10	20	09/19/2016 11:05
2-Chlorotoluene	ND	0.10	20	09/19/2016 11:05
4-Chlorotoluene	ND	0.10	20	09/19/2016 11:05
Dibromochloromethane	ND	0.10	20	09/19/2016 11:05
1,2-Dibromo-3-chloropropane	ND	0.080	20	09/19/2016 11:05
1,2-Dibromoethane (EDB)	ND	0.080	20	09/19/2016 11:05
Dibromomethane	ND	0.10	20	09/19/2016 11:05
1,2-Dichlorobenzene	ND	0.10	20	09/19/2016 11:05
1,3-Dichlorobenzene	ND	0.10	20	09/19/2016 11:05
1,4-Dichlorobenzene	ND	0.10	20	09/19/2016 11:05
Dichlorodifluoromethane	ND	0.10	20	09/19/2016 11:05
1,1-Dichloroethane	ND	0.10	20	09/19/2016 11:05
1,2-Dichloroethane (1,2-DCA)	ND	0.080	20	09/19/2016 11:05
1,1-Dichloroethene	ND	0.10	20	09/19/2016 11:05
cis-1,2-Dichloroethene	ND	0.10	20	09/19/2016 11:05
trans-1,2-Dichloroethene	ND	0.10	20	09/19/2016 11:05
1,2-Dichloropropane	ND	0.10	20	09/19/2016 11:05
1,3-Dichloropropane	ND	0.10	20	09/19/2016 11:05
2,2-Dichloropropane	ND	0.10	20	09/19/2016 11:05

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Date Prepared:	9/15/16	**Analytical Method:**	SW8260B
Project:	14-002; 3037 Adeline St, Oakland	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-9	**1609666-003A**	**Soil**	**09/15/2016 13:09**	**GC10**	**126628**

Analytes	Result	RL	DF	Date Analyzed
1,1-Dichloropropene	ND	0.10	20	09/19/2016 11:05
cis-1,3-Dichloropropene	ND	0.10	20	09/19/2016 11:05
trans-1,3-Dichloropropene	ND	0.10	20	09/19/2016 11:05
Diisopropyl ether (DIPE)	ND	0.10	20	09/19/2016 11:05
Ethylbenzene	ND	0.10	20	09/19/2016 11:05
Ethyl tert-butyl ether (ETBE)	ND	0.10	20	09/19/2016 11:05
Freon 113	ND	0.10	20	09/19/2016 11:05
Hexachlorobutadiene	ND	0.10	20	09/19/2016 11:05
Hexachloroethane	ND	0.10	20	09/19/2016 11:05
2-Hexanone	ND	0.10	20	09/19/2016 11:05
Isopropylbenzene	ND	0.10	20	09/19/2016 11:05
4-Isopropyl toluene	ND	0.10	20	09/19/2016 11:05
Methyl-t-butyl ether (MTBE)	ND	0.10	20	09/19/2016 11:05
Methylene chloride	ND	0.10	20	09/19/2016 11:05
4-Methyl-2-pentanone (MIBK)	ND	0.10	20	09/19/2016 11:05
Naphthalene	ND	0.10	20	09/19/2016 11:05
n-Propyl benzene	ND	0.10	20	09/19/2016 11:05
Styrene	ND	0.10	20	09/19/2016 11:05
1,1,1,2-Tetrachloroethane	ND	0.10	20	09/19/2016 11:05
1,1,2,2-Tetrachloroethane	ND	0.10	20	09/19/2016 11:05
Tetrachloroethene	ND	0.10	20	09/19/2016 11:05
Toluene	ND	0.10	20	09/19/2016 11:05
1,2,3-Trichlorobenzene	ND	0.10	20	09/19/2016 11:05
1,2,4-Trichlorobenzene	ND	0.10	20	09/19/2016 11:05
1,1,1-Trichloroethane	ND	0.10	20	09/19/2016 11:05
1,1,2-Trichloroethane	ND	0.10	20	09/19/2016 11:05
Trichloroethene	ND	0.10	20	09/19/2016 11:05
Trichlorofluoromethane	ND	0.10	20	09/19/2016 11:05
1,2,3-Trichloropropane	ND	0.10	20	09/19/2016 11:05
1,2,4-Trimethylbenzene	ND	0.10	20	09/19/2016 11:05
1,3,5-Trimethylbenzene	ND	0.10	20	09/19/2016 11:05
Vinyl Chloride	ND	0.10	20	09/19/2016 11:05
Xylenes, Total	ND	0.10	20	09/19/2016 11:05

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Date Prepared:	9/15/16	**Analytical Method:**	SW8260B
Project:	14-002; 3037 Adeline St, Oakland	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-9	**1609666-003A**	**Soil**	**09/15/2016 13:09**	**GC10**	**126628**

Analytes	Result	RL	DF	Date Analyzed
Surrogates	REC (%)	Limits		
Dibromofluoromethane	103	70-130		09/19/2016 11:05
Toluene-d8	98	70-130		09/19/2016 11:05
4-BFB	104	70-130		09/19/2016 11:05
Benzene-d6	104	60-140		09/19/2016 11:05
Ethylbenzene-d10	82	60-140		09/19/2016 11:05
1,2-DCB-d4	124	60-140		09/19/2016 11:05

Analyst(s): KF Analytical Comments: a3

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Analytical Report

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Date Received:	9/15/16 14:13	**Extraction Method:**	SW5030B
Date Prepared:	9/15/16	**Analytical Method:**	SW8260B
Project:	14-002; 3037 Adeline St, Oakland	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-10	1609666-004A	Soil	09/15/2016 13:12	GC18	126628

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	2.0	20	09/21/2016 02:24
tert-Amyl methyl ether (TAME)	ND	0.10	20	09/21/2016 02:24
Benzene	ND	0.10	20	09/21/2016 02:24
Bromobenzene	ND	0.10	20	09/21/2016 02:24
Bromochloromethane	ND	0.10	20	09/21/2016 02:24
Bromodichloromethane	ND	0.10	20	09/21/2016 02:24
Bromoform	ND	0.10	20	09/21/2016 02:24
Bromomethane	ND	0.10	20	09/21/2016 02:24
2-Butanone (MEK)	ND	0.40	20	09/21/2016 02:24
t-Butyl alcohol (TBA)	ND	1.0	20	09/21/2016 02:24
n-Butyl benzene	ND	0.10	20	09/21/2016 02:24
sec-Butyl benzene	ND	0.10	20	09/21/2016 02:24
tert-Butyl benzene	ND	0.10	20	09/21/2016 02:24
Carbon Disulfide	ND	0.10	20	09/21/2016 02:24
Carbon Tetrachloride	ND	0.10	20	09/21/2016 02:24
Chlorobenzene	ND	0.10	20	09/21/2016 02:24
Chloroethane	ND	0.10	20	09/21/2016 02:24
Chloroform	ND	0.10	20	09/21/2016 02:24
Chloromethane	ND	0.10	20	09/21/2016 02:24
2-Chlorotoluene	ND	0.10	20	09/21/2016 02:24
4-Chlorotoluene	ND	0.10	20	09/21/2016 02:24
Dibromochloromethane	ND	0.10	20	09/21/2016 02:24
1,2-Dibromo-3-chloropropane	ND	0.080	20	09/21/2016 02:24
1,2-Dibromoethane (EDB)	ND	0.080	20	09/21/2016 02:24
Dibromomethane	ND	0.10	20	09/21/2016 02:24
1,2-Dichlorobenzene	ND	0.10	20	09/21/2016 02:24
1,3-Dichlorobenzene	ND	0.10	20	09/21/2016 02:24
1,4-Dichlorobenzene	ND	0.10	20	09/21/2016 02:24
Dichlorodifluoromethane	ND	0.10	20	09/21/2016 02:24
1,1-Dichloroethane	ND	0.10	20	09/21/2016 02:24
1,2-Dichloroethane (1,2-DCA)	ND	0.080	20	09/21/2016 02:24
1,1-Dichloroethene	ND	0.10	20	09/21/2016 02:24
cis-1,2-Dichloroethene	ND	0.10	20	09/21/2016 02:24
trans-1,2-Dichloroethene	ND	0.10	20	09/21/2016 02:24
1,2-Dichloropropane	ND	0.10	20	09/21/2016 02:24
1,3-Dichloropropane	ND	0.10	20	09/21/2016 02:24
2,2-Dichloropropane	ND	0.10	20	09/21/2016 02:24

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Analytical Report

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Date Prepared:	9/15/16	**Analytical Method:**	SW8260B
Project:	14-002; 3037 Adeline St, Oakland	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-10	**1609666-004A**	**Soil**	**09/15/2016 13:12**	**GC18**	**126628**

Analytes	Result	RL	DF	Date Analyzed
1,1-Dichloropropene	ND	0.10	20	09/21/2016 02:24
cis-1,3-Dichloropropene	ND	0.10	20	09/21/2016 02:24
trans-1,3-Dichloropropene	ND	0.10	20	09/21/2016 02:24
Diisopropyl ether (DIPE)	ND	0.10	20	09/21/2016 02:24
Ethylbenzene	ND	0.10	20	09/21/2016 02:24
Ethyl tert-butyl ether (ETBE)	ND	0.10	20	09/21/2016 02:24
Freon 113	ND	0.10	20	09/21/2016 02:24
Hexachlorobutadiene	ND	0.10	20	09/21/2016 02:24
Hexachloroethane	ND	0.10	20	09/21/2016 02:24
2-Hexanone	ND	0.10	20	09/21/2016 02:24
Isopropylbenzene	ND	0.10	20	09/21/2016 02:24
4-Isopropyl toluene	ND	0.10	20	09/21/2016 02:24
Methyl-t-butyl ether (MTBE)	ND	0.10	20	09/21/2016 02:24
Methylene chloride	ND	0.10	20	09/21/2016 02:24
4-Methyl-2-pentanone (MIBK)	ND	0.10	20	09/21/2016 02:24
Naphthalene	**0.38**	0.10	20	09/21/2016 02:24
n-Propyl benzene	ND	0.10	20	09/21/2016 02:24
Styrene	ND	0.10	20	09/21/2016 02:24
1,1,1,2-Tetrachloroethane	ND	0.10	20	09/21/2016 02:24
1,1,2,2-Tetrachloroethane	ND	0.10	20	09/21/2016 02:24
Tetrachloroethene	ND	0.10	20	09/21/2016 02:24
Toluene	ND	0.10	20	09/21/2016 02:24
1,2,3-Trichlorobenzene	ND	0.10	20	09/21/2016 02:24
1,2,4-Trichlorobenzene	ND	0.10	20	09/21/2016 02:24
1,1,1-Trichloroethane	ND	0.10	20	09/21/2016 02:24
1,1,2-Trichloroethane	ND	0.10	20	09/21/2016 02:24
Trichloroethene	ND	0.10	20	09/21/2016 02:24
Trichlorofluoromethane	ND	0.10	20	09/21/2016 02:24
1,2,3-Trichloropropane	ND	0.10	20	09/21/2016 02:24
1,2,4-Trimethylbenzene	ND	0.10	20	09/21/2016 02:24
1,3,5-Trimethylbenzene	ND	0.10	20	09/21/2016 02:24
Vinyl Chloride	ND	0.10	20	09/21/2016 02:24
Xylenes, Total	ND	0.10	20	09/21/2016 02:24

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Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.
"When Quality Counts"

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http://www.mccampbell.com / E-mail: main@mccampbell.com

Analytical Report

Client:	ERAS Environmental, Inc.	**WorkOrder:**	1609666
Date Received:	9/15/16 14:13	**Extraction Method:**	SW5030B
Date Prepared:	9/15/16	**Analytical Method:**	SW8260B
Project:	14-002; 3037 Adeline St, Oakland	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-10	**1609666-004A**	**Soil**	**09/15/2016 13:12**	**GC18**	**126628**

Analytes	Result		RL	DF	Date Analyzed
Surrogates	REC (%)	Qualifiers	Limits		
Dibromofluoromethane	93		70-130		09/21/2016 02:24
Toluene-d8	94		70-130		09/21/2016 02:24
4-BFB	92		70-130		09/21/2016 02:24
Benzene-d6	93		60-140		09/21/2016 02:24
Ethylbenzene-d10	46	S	60-140		09/21/2016 02:24
1,2-DCB-d4	92		60-140		09/21/2016 02:24

Analyst(s): HK Analytical Comments: c2

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Analytical Report

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Date Received:	9/15/16 14:13	**Extraction Method:**	SW5030B
Date Prepared:	9/15/16	**Analytical Method:**	SW8260B
Project:	14-002; 3037 Adeline St, Oakland	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-11	1609666-005A	Soil	09/15/2016 13:17	GC10	126628

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	2.0	20	09/19/2016 13:07
tert-Amyl methyl ether (TAME)	ND	0.10	20	09/19/2016 13:07
Benzene	ND	0.10	20	09/19/2016 13:07
Bromobenzene	ND	0.10	20	09/19/2016 13:07
Bromochloromethane	ND	0.10	20	09/19/2016 13:07
Bromodichloromethane	ND	0.10	20	09/19/2016 13:07
Bromoform	ND	0.10	20	09/19/2016 13:07
Bromomethane	ND	0.10	20	09/19/2016 13:07
2-Butanone (MEK)	ND	0.40	20	09/19/2016 13:07
t-Butyl alcohol (TBA)	ND	1.0	20	09/19/2016 13:07
n-Butyl benzene	ND	0.10	20	09/19/2016 13:07
sec-Butyl benzene	ND	0.10	20	09/19/2016 13:07
tert-Butyl benzene	ND	0.10	20	09/19/2016 13:07
Carbon Disulfide	ND	0.10	20	09/19/2016 13:07
Carbon Tetrachloride	ND	0.10	20	09/19/2016 13:07
Chlorobenzene	ND	0.10	20	09/19/2016 13:07
Chloroethane	ND	0.10	20	09/19/2016 13:07
Chloroform	ND	0.10	20	09/19/2016 13:07
Chloromethane	ND	0.10	20	09/19/2016 13:07
2-Chlorotoluene	ND	0.10	20	09/19/2016 13:07
4-Chlorotoluene	ND	0.10	20	09/19/2016 13:07
Dibromochloromethane	ND	0.10	20	09/19/2016 13:07
1,2-Dibromo-3-chloropropane	ND	0.080	20	09/19/2016 13:07
1,2-Dibromoethane (EDB)	ND	0.080	20	09/19/2016 13:07
Dibromomethane	ND	0.10	20	09/19/2016 13:07
1,2-Dichlorobenzene	ND	0.10	20	09/19/2016 13:07
1,3-Dichlorobenzene	ND	0.10	20	09/19/2016 13:07
1,4-Dichlorobenzene	ND	0.10	20	09/19/2016 13:07
Dichlorodifluoromethane	ND	0.10	20	09/19/2016 13:07
1,1-Dichloroethane	ND	0.10	20	09/19/2016 13:07
1,2-Dichloroethane (1,2-DCA)	ND	0.080	20	09/19/2016 13:07
1,1-Dichloroethene	ND	0.10	20	09/19/2016 13:07
cis-1,2-Dichloroethene	ND	0.10	20	09/19/2016 13:07
trans-1,2-Dichloroethene	ND	0.10	20	09/19/2016 13:07
1,2-Dichloropropane	ND	0.10	20	09/19/2016 13:07
1,3-Dichloropropane	ND	0.10	20	09/19/2016 13:07
2,2-Dichloropropane	ND	0.10	20	09/19/2016 13:07

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Analytical Report

Client:	ERAS Environmental, Inc.	**WorkOrder:**	1609666
Date Received:	9/15/16 14:13	**Extraction Method:**	SW5030B
Date Prepared:	9/15/16	**Analytical Method:**	SW8260B
Project:	14-002; 3037 Adeline St, Oakland	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-11	**1609666-005A**	**Soil**	**09/15/2016 13:17**	**GC10**	**126628**

Analytes	Result	RL	DF	Date Analyzed
1,1-Dichloropropene	ND	0.10	20	09/19/2016 13:07
cis-1,3-Dichloropropene	ND	0.10	20	09/19/2016 13:07
trans-1,3-Dichloropropene	ND	0.10	20	09/19/2016 13:07
Diisopropyl ether (DIPE)	ND	0.10	20	09/19/2016 13:07
Ethylbenzene	ND	0.10	20	09/19/2016 13:07
Ethyl tert-butyl ether (ETBE)	ND	0.10	20	09/19/2016 13:07
Freon 113	ND	0.10	20	09/19/2016 13:07
Hexachlorobutadiene	ND	0.10	20	09/19/2016 13:07
Hexachloroethane	ND	0.10	20	09/19/2016 13:07
2-Hexanone	ND	0.10	20	09/19/2016 13:07
Isopropylbenzene	ND	0.10	20	09/19/2016 13:07
4-Isopropyl toluene	ND	0.10	20	09/19/2016 13:07
Methyl-t-butyl ether (MTBE)	ND	0.10	20	09/19/2016 13:07
Methylene chloride	ND	0.10	20	09/19/2016 13:07
4-Methyl-2-pentanone (MIBK)	ND	0.10	20	09/19/2016 13:07
Naphthalene	ND	0.10	20	09/19/2016 13:07
n-Propyl benzene	ND	0.10	20	09/19/2016 13:07
Styrene	ND	0.10	20	09/19/2016 13:07
1,1,1,2-Tetrachloroethane	ND	0.10	20	09/19/2016 13:07
1,1,2,2-Tetrachloroethane	ND	0.10	20	09/19/2016 13:07
Tetrachloroethene	ND	0.10	20	09/19/2016 13:07
Toluene	ND	0.10	20	09/19/2016 13:07
1,2,3-Trichlorobenzene	ND	0.10	20	09/19/2016 13:07
1,2,4-Trichlorobenzene	ND	0.10	20	09/19/2016 13:07
1,1,1-Trichloroethane	ND	0.10	20	09/19/2016 13:07
1,1,2-Trichloroethane	ND	0.10	20	09/19/2016 13:07
Trichloroethene	ND	0.10	20	09/19/2016 13:07
Trichlorofluoromethane	ND	0.10	20	09/19/2016 13:07
1,2,3-Trichloropropane	ND	0.10	20	09/19/2016 13:07
1,2,4-Trimethylbenzene	ND	0.10	20	09/19/2016 13:07
1,3,5-Trimethylbenzene	ND	0.10	20	09/19/2016 13:07
Vinyl Chloride	ND	0.10	20	09/19/2016 13:07
Xylenes, Total	ND	0.10	20	09/19/2016 13:07

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Date Prepared:	9/15/16	**Analytical Method:**	SW8260B
Project:	14-002; 3037 Adeline St, Oakland	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-11	**1609666-005A**	**Soil**	**09/15/2016 13:17**	**GC10**	**126628**

Analytes	Result	RL	DF	Date Analyzed
Surrogates	REC (%)	Limits		
Dibromofluoromethane	101	70-130		09/19/2016 13:07
Toluene-d8	98	70-130		09/19/2016 13:07
4-BFB	103	70-130		09/19/2016 13:07
Benzene-d6	101	60-140		09/19/2016 13:07
Ethylbenzene-d10	77	60-140		09/19/2016 13:07
1,2-DCB-d4	121	60-140		09/19/2016 13:07

Analyst(s): KF Analytical Comments: a3

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Date Prepared:	9/15/16	**Analytical Method:**	SW8260B
Project:	14-002; 3037 Adeline St, Oakland	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-12	1609666-006A	Soil	09/15/2016 13:21	GC18	126628

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	0.40	4	09/21/2016 03:03
tert-Amyl methyl ether (TAME)	ND	0.020	4	09/21/2016 03:03
Benzene	ND	0.020	4	09/21/2016 03:03
Bromobenzene	ND	0.020	4	09/21/2016 03:03
Bromochloromethane	ND	0.020	4	09/21/2016 03:03
Bromodichloromethane	ND	0.020	4	09/21/2016 03:03
Bromoform	ND	0.020	4	09/21/2016 03:03
Bromomethane	ND	0.020	4	09/21/2016 03:03
2-Butanone (MEK)	ND	0.080	4	09/21/2016 03:03
t-Butyl alcohol (TBA)	ND	0.20	4	09/21/2016 03:03
n-Butyl benzene	ND	0.020	4	09/21/2016 03:03
sec-Butyl benzene	ND	0.020	4	09/21/2016 03:03
tert-Butyl benzene	ND	0.020	4	09/21/2016 03:03
Carbon Disulfide	ND	0.020	4	09/21/2016 03:03
Carbon Tetrachloride	ND	0.020	4	09/21/2016 03:03
Chlorobenzene	ND	0.020	4	09/21/2016 03:03
Chloroethane	ND	0.020	4	09/21/2016 03:03
Chloroform	ND	0.020	4	09/21/2016 03:03
Chloromethane	ND	0.020	4	09/21/2016 03:03
2-Chlorotoluene	ND	0.020	4	09/21/2016 03:03
4-Chlorotoluene	ND	0.020	4	09/21/2016 03:03
Dibromochloromethane	ND	0.020	4	09/21/2016 03:03
1,2-Dibromo-3-chloropropane	ND	0.016	4	09/21/2016 03:03
1,2-Dibromoethane (EDB)	ND	0.016	4	09/21/2016 03:03
Dibromomethane	ND	0.020	4	09/21/2016 03:03
1,2-Dichlorobenzene	ND	0.020	4	09/21/2016 03:03
1,3-Dichlorobenzene	ND	0.020	4	09/21/2016 03:03
1,4-Dichlorobenzene	ND	0.020	4	09/21/2016 03:03
Dichlorodifluoromethane	ND	0.020	4	09/21/2016 03:03
1,1-Dichloroethane	ND	0.020	4	09/21/2016 03:03
1,2-Dichloroethane (1,2-DCA)	ND	0.016	4	09/21/2016 03:03
1,1-Dichloroethene	ND	0.020	4	09/21/2016 03:03
cis-1,2-Dichloroethene	ND	0.020	4	09/21/2016 03:03
trans-1,2-Dichloroethene	ND	0.020	4	09/21/2016 03:03
1,2-Dichloropropane	ND	0.020	4	09/21/2016 03:03
1,3-Dichloropropane	ND	0.020	4	09/21/2016 03:03
2,2-Dichloropropane	ND	0.020	4	09/21/2016 03:03

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Date Prepared:	9/15/16	**Analytical Method:**	SW8260B
Project:	14-002; 3037 Adeline St, Oakland	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-12	1609666-006A	Soil	09/15/2016 13:21	GC18	126628

Analytes	Result	RL	DF	Date Analyzed
1,1-Dichloropropene	ND	0.020	4	09/21/2016 03:03
cis-1,3-Dichloropropene	ND	0.020	4	09/21/2016 03:03
trans-1,3-Dichloropropene	ND	0.020	4	09/21/2016 03:03
Diisopropyl ether (DIPE)	ND	0.020	4	09/21/2016 03:03
Ethylbenzene	ND	0.020	4	09/21/2016 03:03
Ethyl tert-butyl ether (ETBE)	ND	0.020	4	09/21/2016 03:03
Freon 113	ND	0.020	4	09/21/2016 03:03
Hexachlorobutadiene	ND	0.020	4	09/21/2016 03:03
Hexachloroethane	ND	0.020	4	09/21/2016 03:03
2-Hexanone	ND	0.020	4	09/21/2016 03:03
Isopropylbenzene	ND	0.020	4	09/21/2016 03:03
4-Isopropyl toluene	ND	0.020	4	09/21/2016 03:03
Methyl-t-butyl ether (MTBE)	ND	0.020	4	09/21/2016 03:03
Methylene chloride	ND	0.020	4	09/21/2016 03:03
4-Methyl-2-pentanone (MIBK)	ND	0.020	4	09/21/2016 03:03
Naphthalene	ND	0.020	4	09/21/2016 03:03
n-Propyl benzene	ND	0.020	4	09/21/2016 03:03
Styrene	ND	0.020	4	09/21/2016 03:03
1,1,1,2-Tetrachloroethane	ND	0.020	4	09/21/2016 03:03
1,1,2,2-Tetrachloroethane	ND	0.020	4	09/21/2016 03:03
Tetrachloroethene	ND	0.020	4	09/21/2016 03:03
Toluene	ND	0.020	4	09/21/2016 03:03
1,2,3-Trichlorobenzene	ND	0.020	4	09/21/2016 03:03
1,2,4-Trichlorobenzene	ND	0.020	4	09/21/2016 03:03
1,1,1-Trichloroethane	ND	0.020	4	09/21/2016 03:03
1,1,2-Trichloroethane	ND	0.020	4	09/21/2016 03:03
Trichloroethene	ND	0.020	4	09/21/2016 03:03
Trichlorofluoromethane	ND	0.020	4	09/21/2016 03:03
1,2,3-Trichloropropane	ND	0.020	4	09/21/2016 03:03
1,2,4-Trimethylbenzene	ND	0.020	4	09/21/2016 03:03
1,3,5-Trimethylbenzene	ND	0.020	4	09/21/2016 03:03
Vinyl Chloride	ND	0.020	4	09/21/2016 03:03
Xylenes, Total	ND	0.020	4	09/21/2016 03:03

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Analytical Report

Client:	ERAS Environmental, Inc.	**WorkOrder:**	1609666
Date Received:	9/15/16 14:13	**Extraction Method:**	SW5030B
Date Prepared:	9/15/16	**Analytical Method:**	SW8260B
Project:	14-002; 3037 Adeline St, Oakland	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-12	**1609666-006A**	**Soil**	**09/15/2016 13:21**	**GC18**	**126628**

Analytes	Result	RL	DF	Date Analyzed
Surrogates	REC (%)	Limits		
Dibromofluoromethane	91	70-130		09/21/2016 03:03
Toluene-d8	95	70-130		09/21/2016 03:03
4-BFB	91	70-130		09/21/2016 03:03
Benzene-d6	90	60-140		09/21/2016 03:03
Ethylbenzene-d10	86	60-140		09/21/2016 03:03
1,2-DCB-d4	84	60-140		09/21/2016 03:03

Analyst(s): HK Analytical Comments: a3

(Cont.)

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Date Prepared:	9/15/16	**Analytical Method:**	SW8260B
Project:	14-002; 3037 Adeline St, Oakland	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-13	1609666-007A	Soil	09/15/2016 13:26	GC18	126628

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	0.10	1	09/21/2016 03:41
tert-Amyl methyl ether (TAME)	ND	0.0050	1	09/21/2016 03:41
Benzene	ND	0.0050	1	09/21/2016 03:41
Bromobenzene	ND	0.0050	1	09/21/2016 03:41
Bromochloromethane	ND	0.0050	1	09/21/2016 03:41
Bromodichloromethane	ND	0.0050	1	09/21/2016 03:41
Bromoform	ND	0.0050	1	09/21/2016 03:41
Bromomethane	ND	0.0050	1	09/21/2016 03:41
2-Butanone (MEK)	ND	0.020	1	09/21/2016 03:41
t-Butyl alcohol (TBA)	ND	0.050	1	09/21/2016 03:41
n-Butyl benzene	ND	0.0050	1	09/21/2016 03:41
sec-Butyl benzene	ND	0.0050	1	09/21/2016 03:41
tert-Butyl benzene	ND	0.0050	1	09/21/2016 03:41
Carbon Disulfide	ND	0.0050	1	09/21/2016 03:41
Carbon Tetrachloride	ND	0.0050	1	09/21/2016 03:41
Chlorobenzene	ND	0.0050	1	09/21/2016 03:41
Chloroethane	ND	0.0050	1	09/21/2016 03:41
Chloroform	ND	0.0050	1	09/21/2016 03:41
Chloromethane	ND	0.0050	1	09/21/2016 03:41
2-Chlorotoluene	ND	0.0050	1	09/21/2016 03:41
4-Chlorotoluene	ND	0.0050	1	09/21/2016 03:41
Dibromochloromethane	ND	0.0050	1	09/21/2016 03:41
1,2-Dibromo-3-chloropropane	ND	0.0040	1	09/21/2016 03:41
1,2-Dibromoethane (EDB)	ND	0.0040	1	09/21/2016 03:41
Dibromomethane	ND	0.0050	1	09/21/2016 03:41
1,2-Dichlorobenzene	ND	0.0050	1	09/21/2016 03:41
1,3-Dichlorobenzene	ND	0.0050	1	09/21/2016 03:41
1,4-Dichlorobenzene	ND	0.0050	1	09/21/2016 03:41
Dichlorodifluoromethane	ND	0.0050	1	09/21/2016 03:41
1,1-Dichloroethane	ND	0.0050	1	09/21/2016 03:41
1,2-Dichloroethane (1,2-DCA)	ND	0.0040	1	09/21/2016 03:41
1,1-Dichloroethene	ND	0.0050	1	09/21/2016 03:41
cis-1,2-Dichloroethene	ND	0.0050	1	09/21/2016 03:41
trans-1,2-Dichloroethene	ND	0.0050	1	09/21/2016 03:41
1,2-Dichloropropane	ND	0.0050	1	09/21/2016 03:41
1,3-Dichloropropane	ND	0.0050	1	09/21/2016 03:41
2,2-Dichloropropane	ND	0.0050	1	09/21/2016 03:41

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Project:	14-002; 3037 Adeline St, Oakland	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-13	**1609666-007A**	**Soil**	**09/15/2016 13:26**	**GC18**	**126628**

Analytes	Result	RL	DF	Date Analyzed
1,1-Dichloropropene	ND	0.0050	1	09/21/2016 03:41
cis-1,3-Dichloropropene	ND	0.0050	1	09/21/2016 03:41
trans-1,3-Dichloropropene	ND	0.0050	1	09/21/2016 03:41
Diisopropyl ether (DIPE)	ND	0.0050	1	09/21/2016 03:41
Ethylbenzene	ND	0.0050	1	09/21/2016 03:41
Ethyl tert-butyl ether (ETBE)	ND	0.0050	1	09/21/2016 03:41
Freon 113	ND	0.0050	1	09/21/2016 03:41
Hexachlorobutadiene	ND	0.0050	1	09/21/2016 03:41
Hexachloroethane	ND	0.0050	1	09/21/2016 03:41
2-Hexanone	ND	0.0050	1	09/21/2016 03:41
Isopropylbenzene	ND	0.0050	1	09/21/2016 03:41
4-Isopropyl toluene	ND	0.0050	1	09/21/2016 03:41
Methyl-t-butyl ether (MTBE)	ND	0.0050	1	09/21/2016 03:41
Methylene chloride	ND	0.0050	1	09/21/2016 03:41
4-Methyl-2-pentanone (MIBK)	ND	0.0050	1	09/21/2016 03:41
Naphthalene	ND	0.0050	1	09/21/2016 03:41
n-Propyl benzene	ND	0.0050	1	09/21/2016 03:41
Styrene	ND	0.0050	1	09/21/2016 03:41
1,1,1,2-Tetrachloroethane	ND	0.0050	1	09/21/2016 03:41
1,1,2,2-Tetrachloroethane	ND	0.0050	1	09/21/2016 03:41
Tetrachloroethene	ND	0.0050	1	09/21/2016 03:41
Toluene	ND	0.0050	1	09/21/2016 03:41
1,2,3-Trichlorobenzene	ND	0.0050	1	09/21/2016 03:41
1,2,4-Trichlorobenzene	ND	0.0050	1	09/21/2016 03:41
1,1,1-Trichloroethane	ND	0.0050	1	09/21/2016 03:41
1,1,2-Trichloroethane	ND	0.0050	1	09/21/2016 03:41
Trichloroethene	ND	0.0050	1	09/21/2016 03:41
Trichlorofluoromethane	ND	0.0050	1	09/21/2016 03:41
1,2,3-Trichloropropane	ND	0.0050	1	09/21/2016 03:41
1,2,4-Trimethylbenzene	ND	0.0050	1	09/21/2016 03:41
1,3,5-Trimethylbenzene	ND	0.0050	1	09/21/2016 03:41
Vinyl Chloride	ND	0.0050	1	09/21/2016 03:41
Xylenes, Total	ND	0.0050	1	09/21/2016 03:41

(Cont.)

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Angela Rydelius, Lab Manager

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Analytical Report

Client:	ERAS Environmental, Inc.	**WorkOrder:**	1609666
Date Received:	9/15/16 14:13	**Extraction Method:**	SW5030B
Date Prepared:	9/15/16	**Analytical Method:**	SW8260B
Project:	14-002; 3037 Adeline St, Oakland	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-13	**1609666-007A**	**Soil**	**09/15/2016 13:26**	**GC18**	**126628**

Analytes	Result	RL	DF	Date Analyzed
Surrogates	REC (%)	Limits		
Dibromofluoromethane	90	70-130		09/21/2016 03:41
Toluene-d8	100	70-130		09/21/2016 03:41
4-BFB	98	70-130		09/21/2016 03:41
Benzene-d6	88	60-140		09/21/2016 03:41
Ethylbenzene-d10	98	60-140		09/21/2016 03:41
1,2-DCB-d4	74	60-140		09/21/2016 03:41

Analyst(s): HK

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Analytical Report

Client:	ERAS Environmental, Inc.	**WorkOrder:**	1609666
Date Received:	9/15/16 14:13	**Extraction Method:**	SW5030B
Date Prepared:	9/15/16	**Analytical Method:**	SW8260B
Project:	14-002; 3037 Adeline St, Oakland	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-14	1609666-008A	Soil	09/15/2016 13:29	GC18	126628

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	0.10	1	09/21/2016 04:20
tert-Amyl methyl ether (TAME)	ND	0.0050	1	09/21/2016 04:20
Benzene	ND	0.0050	1	09/21/2016 04:20
Bromobenzene	ND	0.0050	1	09/21/2016 04:20
Bromochloromethane	ND	0.0050	1	09/21/2016 04:20
Bromodichloromethane	ND	0.0050	1	09/21/2016 04:20
Bromoform	ND	0.0050	1	09/21/2016 04:20
Bromomethane	ND	0.0050	1	09/21/2016 04:20
2-Butanone (MEK)	ND	0.020	1	09/21/2016 04:20
t-Butyl alcohol (TBA)	ND	0.050	1	09/21/2016 04:20
n-Butyl benzene	ND	0.0050	1	09/21/2016 04:20
sec-Butyl benzene	ND	0.0050	1	09/21/2016 04:20
tert-Butyl benzene	ND	0.0050	1	09/21/2016 04:20
Carbon Disulfide	ND	0.0050	1	09/21/2016 04:20
Carbon Tetrachloride	ND	0.0050	1	09/21/2016 04:20
Chlorobenzene	ND	0.0050	1	09/21/2016 04:20
Chloroethane	ND	0.0050	1	09/21/2016 04:20
Chloroform	ND	0.0050	1	09/21/2016 04:20
Chloromethane	ND	0.0050	1	09/21/2016 04:20
2-Chlorotoluene	ND	0.0050	1	09/21/2016 04:20
4-Chlorotoluene	ND	0.0050	1	09/21/2016 04:20
Dibromochloromethane	ND	0.0050	1	09/21/2016 04:20
1,2-Dibromo-3-chloropropane	ND	0.0040	1	09/21/2016 04:20
1,2-Dibromoethane (EDB)	ND	0.0040	1	09/21/2016 04:20
Dibromomethane	ND	0.0050	1	09/21/2016 04:20
1,2-Dichlorobenzene	ND	0.0050	1	09/21/2016 04:20
1,3-Dichlorobenzene	ND	0.0050	1	09/21/2016 04:20
1,4-Dichlorobenzene	ND	0.0050	1	09/21/2016 04:20
Dichlorodifluoromethane	ND	0.0050	1	09/21/2016 04:20
1,1-Dichloroethane	ND	0.0050	1	09/21/2016 04:20
1,2-Dichloroethane (1,2-DCA)	ND	0.0040	1	09/21/2016 04:20
1,1-Dichloroethene	ND	0.0050	1	09/21/2016 04:20
cis-1,2-Dichloroethene	ND	0.0050	1	09/21/2016 04:20
trans-1,2-Dichloroethene	ND	0.0050	1	09/21/2016 04:20
1,2-Dichloropropane	ND	0.0050	1	09/21/2016 04:20
1,3-Dichloropropane	ND	0.0050	1	09/21/2016 04:20
2,2-Dichloropropane	ND	0.0050	1	09/21/2016 04:20

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Analytical Report

Client:	ERAS Environmental, Inc.	**WorkOrder:**	1609666
Date Received:	9/15/16 14:13	**Extraction Method:**	SW5030B
Date Prepared:	9/15/16	**Analytical Method:**	SW8260B
Project:	14-002; 3037 Adeline St, Oakland	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-14	**1609666-008A**	**Soil**	**09/15/2016 13:29**	**GC18**	**126628**

Analytes	Result	RL	DF	Date Analyzed
1,1-Dichloropropene	ND	0.0050	1	09/21/2016 04:20
cis-1,3-Dichloropropene	ND	0.0050	1	09/21/2016 04:20
trans-1,3-Dichloropropene	ND	0.0050	1	09/21/2016 04:20
Diisopropyl ether (DIPE)	ND	0.0050	1	09/21/2016 04:20
Ethylbenzene	ND	0.0050	1	09/21/2016 04:20
Ethyl tert-butyl ether (ETBE)	ND	0.0050	1	09/21/2016 04:20
Freon 113	ND	0.0050	1	09/21/2016 04:20
Hexachlorobutadiene	ND	0.0050	1	09/21/2016 04:20
Hexachloroethane	ND	0.0050	1	09/21/2016 04:20
2-Hexanone	ND	0.0050	1	09/21/2016 04:20
Isopropylbenzene	ND	0.0050	1	09/21/2016 04:20
4-Isopropyl toluene	ND	0.0050	1	09/21/2016 04:20
Methyl-t-butyl ether (MTBE)	ND	0.0050	1	09/21/2016 04:20
Methylene chloride	ND	0.0050	1	09/21/2016 04:20
4-Methyl-2-pentanone (MIBK)	ND	0.0050	1	09/21/2016 04:20
Naphthalene	ND	0.0050	1	09/21/2016 04:20
n-Propyl benzene	ND	0.0050	1	09/21/2016 04:20
Styrene	ND	0.0050	1	09/21/2016 04:20
1,1,1,2-Tetrachloroethane	ND	0.0050	1	09/21/2016 04:20
1,1,2,2-Tetrachloroethane	ND	0.0050	1	09/21/2016 04:20
Tetrachloroethene	ND	0.0050	1	09/21/2016 04:20
Toluene	ND	0.0050	1	09/21/2016 04:20
1,2,3-Trichlorobenzene	ND	0.0050	1	09/21/2016 04:20
1,2,4-Trichlorobenzene	ND	0.0050	1	09/21/2016 04:20
1,1,1-Trichloroethane	ND	0.0050	1	09/21/2016 04:20
1,1,2-Trichloroethane	ND	0.0050	1	09/21/2016 04:20
Trichloroethene	ND	0.0050	1	09/21/2016 04:20
Trichlorofluoromethane	ND	0.0050	1	09/21/2016 04:20
1,2,3-Trichloropropane	ND	0.0050	1	09/21/2016 04:20
1,2,4-Trimethylbenzene	ND	0.0050	1	09/21/2016 04:20
1,3,5-Trimethylbenzene	ND	0.0050	1	09/21/2016 04:20
Vinyl Chloride	ND	0.0050	1	09/21/2016 04:20
Xylenes, Total	ND	0.0050	1	09/21/2016 04:20

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Analytical Report

Client:	ERAS Environmental, Inc.	**WorkOrder:**	1609666
Date Received:	9/15/16 14:13	**Extraction Method:**	SW5030B
Date Prepared:	9/15/16	**Analytical Method:**	SW8260B
Project:	14-002; 3037 Adeline St, Oakland	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-14	**1609666-008A**	**Soil**	**09/15/2016 13:29**	**GC18**	**126628**

Analytes	Result	RL	DF	Date Analyzed
Surrogates	REC (%)	Limits		
Dibromofluoromethane	90	70-130		09/21/2016 04:20
Toluene-d8	100	70-130		09/21/2016 04:20
4-BFB	95	70-130		09/21/2016 04:20
Benzene-d6	90	60-140		09/21/2016 04:20
Ethylbenzene-d10	99	60-140		09/21/2016 04:20
1,2-DCB-d4	74	60-140		09/21/2016 04:20

Analyst(s): HK

(Cont.)

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Analytical Report

Client:	ERAS Environmental, Inc.	**WorkOrder:**	1609666
Date Received:	9/15/16 14:13	**Extraction Method:**	SW5030B
Date Prepared:	9/15/16	**Analytical Method:**	SW8260B
Project:	14-002; 3037 Adeline St, Oakland	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-15	1609666-009A	Soil	09/15/2016 13:34	GC10	126665

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	0.10	1	09/17/2016 00:08
tert-Amyl methyl ether (TAME)	ND	0.0050	1	09/17/2016 00:08
Benzene	ND	0.0050	1	09/17/2016 00:08
Bromobenzene	ND	0.0050	1	09/17/2016 00:08
Bromochloromethane	ND	0.0050	1	09/17/2016 00:08
Bromodichloromethane	ND	0.0050	1	09/17/2016 00:08
Bromoform	ND	0.0050	1	09/17/2016 00:08
Bromomethane	ND	0.0050	1	09/17/2016 00:08
2-Butanone (MEK)	ND	0.020	1	09/17/2016 00:08
t-Butyl alcohol (TBA)	ND	0.050	1	09/17/2016 00:08
n-Butyl benzene	ND	0.0050	1	09/17/2016 00:08
sec-Butyl benzene	ND	0.0050	1	09/17/2016 00:08
tert-Butyl benzene	ND	0.0050	1	09/17/2016 00:08
Carbon Disulfide	ND	0.0050	1	09/17/2016 00:08
Carbon Tetrachloride	ND	0.0050	1	09/17/2016 00:08
Chlorobenzene	ND	0.0050	1	09/17/2016 00:08
Chloroethane	ND	0.0050	1	09/17/2016 00:08
Chloroform	ND	0.0050	1	09/17/2016 00:08
Chloromethane	ND	0.0050	1	09/17/2016 00:08
2-Chlorotoluene	ND	0.0050	1	09/17/2016 00:08
4-Chlorotoluene	ND	0.0050	1	09/17/2016 00:08
Dibromochloromethane	ND	0.0050	1	09/17/2016 00:08
1,2-Dibromo-3-chloropropane	ND	0.0040	1	09/17/2016 00:08
1,2-Dibromoethane (EDB)	ND	0.0040	1	09/17/2016 00:08
Dibromomethane	ND	0.0050	1	09/17/2016 00:08
1,2-Dichlorobenzene	ND	0.0050	1	09/17/2016 00:08
1,3-Dichlorobenzene	ND	0.0050	1	09/17/2016 00:08
1,4-Dichlorobenzene	ND	0.0050	1	09/17/2016 00:08
Dichlorodifluoromethane	ND	0.0050	1	09/17/2016 00:08
1,1-Dichloroethane	ND	0.0050	1	09/17/2016 00:08
1,2-Dichloroethane (1,2-DCA)	ND	0.0040	1	09/17/2016 00:08
1,1-Dichloroethene	ND	0.0050	1	09/17/2016 00:08
cis-1,2-Dichloroethene	ND	0.0050	1	09/17/2016 00:08
trans-1,2-Dichloroethene	ND	0.0050	1	09/17/2016 00:08
1,2-Dichloropropane	ND	0.0050	1	09/17/2016 00:08
1,3-Dichloropropane	ND	0.0050	1	09/17/2016 00:08
2,2-Dichloropropane	ND	0.0050	1	09/17/2016 00:08

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Analytical Report

Client:	ERAS Environmental, Inc.	**WorkOrder:**	1609666
Date Received:	9/15/16 14:13	**Extraction Method:**	SW5030B
Date Prepared:	9/15/16	**Analytical Method:**	SW8260B
Project:	14-002; 3037 Adeline St, Oakland	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-15	**1609666-009A**	**Soil**	**09/15/2016 13:34**	**GC10**	**126665**

Analytes	Result	RL	DF	Date Analyzed
1,1-Dichloropropene	ND	0.0050	1	09/17/2016 00:08
cis-1,3-Dichloropropene	ND	0.0050	1	09/17/2016 00:08
trans-1,3-Dichloropropene	ND	0.0050	1	09/17/2016 00:08
Diisopropyl ether (DIPE)	ND	0.0050	1	09/17/2016 00:08
Ethylbenzene	ND	0.0050	1	09/17/2016 00:08
Ethyl tert-butyl ether (ETBE)	ND	0.0050	1	09/17/2016 00:08
Freon 113	ND	0.0050	1	09/17/2016 00:08
Hexachlorobutadiene	ND	0.0050	1	09/17/2016 00:08
Hexachloroethane	ND	0.0050	1	09/17/2016 00:08
2-Hexanone	ND	0.0050	1	09/17/2016 00:08
Isopropylbenzene	ND	0.0050	1	09/17/2016 00:08
4-Isopropyl toluene	ND	0.0050	1	09/17/2016 00:08
Methyl-t-butyl ether (MTBE)	ND	0.0050	1	09/17/2016 00:08
Methylene chloride	ND	0.0050	1	09/17/2016 00:08
4-Methyl-2-pentanone (MIBK)	ND	0.0050	1	09/17/2016 00:08
Naphthalene	ND	0.0050	1	09/17/2016 00:08
n-Propyl benzene	ND	0.0050	1	09/17/2016 00:08
Styrene	ND	0.0050	1	09/17/2016 00:08
1,1,1,2-Tetrachloroethane	ND	0.0050	1	09/17/2016 00:08
1,1,2,2-Tetrachloroethane	ND	0.0050	1	09/17/2016 00:08
Tetrachloroethene	ND	0.0050	1	09/17/2016 00:08
Toluene	ND	0.0050	1	09/17/2016 00:08
1,2,3-Trichlorobenzene	ND	0.0050	1	09/17/2016 00:08
1,2,4-Trichlorobenzene	ND	0.0050	1	09/17/2016 00:08
1,1,1-Trichloroethane	ND	0.0050	1	09/17/2016 00:08
1,1,2-Trichloroethane	ND	0.0050	1	09/17/2016 00:08
Trichloroethene	ND	0.0050	1	09/17/2016 00:08
Trichlorofluoromethane	ND	0.0050	1	09/17/2016 00:08
1,2,3-Trichloropropane	ND	0.0050	1	09/17/2016 00:08
1,2,4-Trimethylbenzene	ND	0.0050	1	09/17/2016 00:08
1,3,5-Trimethylbenzene	ND	0.0050	1	09/17/2016 00:08
Vinyl Chloride	ND	0.0050	1	09/17/2016 00:08
Xylenes, Total	ND	0.0050	1	09/17/2016 00:08

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Analytical Report

Client:	ERAS Environmental, Inc.	**WorkOrder:**	1609666
Date Received:	9/15/16 14:13	**Extraction Method:**	SW5030B
Date Prepared:	9/15/16	**Analytical Method:**	SW8260B
Project:	14-002; 3037 Adeline St, Oakland	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-15	**1609666-009A**	**Soil**	**09/15/2016 13:34**	**GC10**	**126665**

Analytes	Result	RL	DF	Date Analyzed
Surrogates	REC (%)	Limits		
Dibromofluoromethane	101	70-130		09/17/2016 00:08
Toluene-d8	107	70-130		09/17/2016 00:08
4-BFB	113	70-130		09/17/2016 00:08
Benzene-d6	91	60-140		09/17/2016 00:08
Ethylbenzene-d10	112	60-140		09/17/2016 00:08
1,2-DCB-d4	85	60-140		09/17/2016 00:08

Analyst(s): KF

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Analytical Report

Client:	ERAS Environmental, Inc.	**WorkOrder:**	1609666
Date Received:	9/15/16 14:13	**Extraction Method:**	SW3550B
Date Prepared:	9/16/16	**Analytical Method:**	SW8270C
Project:	14-002; 3037 Adeline St, Oakland	**Unit:**	mg/Kg

Semi-Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-7	1609666-001A	Soil	09/15/2016 12:58	GC17	126674

Analytes	Result	RL	DF	Date Analyzed
Acenaphthene	ND	4.0	2	09/16/2016 21:47
Acenaphthylene	ND	4.0	2	09/16/2016 21:47
Acetochlor	ND	4.0	2	09/16/2016 21:47
Anthracene	ND	4.0	2	09/16/2016 21:47
Benzidine	ND	21	2	09/16/2016 21:47
Benzo (a) anthracene	ND	4.0	2	09/16/2016 21:47
Benzo (a) pyrene	ND	4.0	2	09/16/2016 21:47
Benzo (b) fluoranthene	ND	4.0	2	09/16/2016 21:47
Benzo (g,h,i) perylene	ND	4.0	2	09/16/2016 21:47
Benzo (k) fluoranthene	ND	4.0	2	09/16/2016 21:47
Benzyl Alcohol	ND	21	2	09/16/2016 21:47
1,1-Biphenyl	ND	4.0	2	09/16/2016 21:47
Bis (2-chloroethoxy) Methane	ND	4.0	2	09/16/2016 21:47
Bis (2-chloroethyl) Ether	ND	4.0	2	09/16/2016 21:47
Bis (2-chloroisopropyl) Ether	ND	4.0	2	09/16/2016 21:47
Bis (2-ethylhexyl) Adipate	ND	4.0	2	09/16/2016 21:47
Bis (2-ethylhexyl) Phthalate	ND	4.0	2	09/16/2016 21:47
4-Bromophenyl Phenyl Ether	ND	4.0	2	09/16/2016 21:47
Butylbenzyl Phthalate	ND	4.0	2	09/16/2016 21:47
4-Chloroaniline	ND	8.0	2	09/16/2016 21:47
4-Chloro-3-methylphenol	ND	4.0	2	09/16/2016 21:47
2-Chloronaphthalene	ND	4.0	2	09/16/2016 21:47
2-Chlorophenol	ND	4.0	2	09/16/2016 21:47
4-Chlorophenyl Phenyl Ether	ND	4.0	2	09/16/2016 21:47
Chrysene	ND	4.0	2	09/16/2016 21:47
Dibenzo (a,h) anthracene	ND	4.0	2	09/16/2016 21:47
Dibenzofuran	ND	4.0	2	09/16/2016 21:47
Di-n-butyl Phthalate	ND	4.0	2	09/16/2016 21:47
1,2-Dichlorobenzene	ND	4.0	2	09/16/2016 21:47
1,3-Dichlorobenzene	ND	4.0	2	09/16/2016 21:47
1,4-Dichlorobenzene	ND	4.0	2	09/16/2016 21:47
3,3-Dichlorobenzidine	ND	8.0	2	09/16/2016 21:47
2,4-Dichlorophenol	ND	4.0	2	09/16/2016 21:47
Diethyl Phthalate	ND	4.0	2	09/16/2016 21:47
2,4-Dimethylphenol	ND	4.0	2	09/16/2016 21:47
Dimethyl Phthalate	ND	4.0	2	09/16/2016 21:47
4,6-Dinitro-2-methylphenol	ND	21	2	09/16/2016 21:47

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Analytical Report

Client:	ERAS Environmental, Inc.	**WorkOrder:**	1609666
Date Received:	9/15/16 14:13	**Extraction Method:**	SW3550B
Date Prepared:	9/16/16	**Analytical Method:**	SW8270C
Project:	14-002; 3037 Adeline St, Oakland	**Unit:**	mg/Kg

Semi-Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-7	1609666-001A	Soil	09/15/2016 12:58	GC17	126674

Analytes	Result	RL	DF	Date Analyzed
2,4-Dinitrophenol	ND	100	2	09/16/2016 21:47
2,4-Dinitrotoluene	ND	4.0	2	09/16/2016 21:47
2,6-Dinitrotoluene	ND	4.0	2	09/16/2016 21:47
Di-n-octyl Phthalate	ND	8.0	2	09/16/2016 21:47
1,2-Diphenylhydrazine	ND	4.0	2	09/16/2016 21:47
Fluoranthene	ND	4.0	2	09/16/2016 21:47
Fluorene	ND	4.0	2	09/16/2016 21:47
Hexachlorobenzene	ND	4.0	2	09/16/2016 21:47
Hexachlorobutadiene	ND	4.0	2	09/16/2016 21:47
Hexachlorocyclopentadiene	ND	21	2	09/16/2016 21:47
Hexachloroethane	ND	4.0	2	09/16/2016 21:47
Indeno (1,2,3-cd) pyrene	ND	4.0	2	09/16/2016 21:47
Isophorone	ND	4.0	2	09/16/2016 21:47
2-Methylnaphthalene	ND	4.0	2	09/16/2016 21:47
2-Methylphenol (o-Cresol)	ND	4.0	2	09/16/2016 21:47
3 & 4-Methylphenol (m,p-Cresol)	ND	4.0	2	09/16/2016 21:47
Naphthalene	ND	4.0	2	09/16/2016 21:47
2-Nitroaniline	ND	21	2	09/16/2016 21:47
3-Nitroaniline	ND	21	2	09/16/2016 21:47
4-Nitroaniline	ND	21	2	09/16/2016 21:47
Nitrobenzene	ND	4.0	2	09/16/2016 21:47
2-Nitrophenol	ND	21	2	09/16/2016 21:47
4-Nitrophenol	ND	21	2	09/16/2016 21:47
N-Nitrosodiphenylamine	ND	4.0	2	09/16/2016 21:47
N-Nitrosodi-n-propylamine	ND	4.0	2	09/16/2016 21:47
Pentachlorophenol	ND	21	2	09/16/2016 21:47
Phenanthrene	ND	4.0	2	09/16/2016 21:47
Phenol	ND	4.0	2	09/16/2016 21:47
Pyrene	ND	4.0	2	09/16/2016 21:47
1,2,4-Trichlorobenzene	ND	4.0	2	09/16/2016 21:47
2,4,5-Trichlorophenol	ND	4.0	2	09/16/2016 21:47
2,4,6-Trichlorophenol	ND	4.0	2	09/16/2016 21:47

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Analytical Report

Client:	ERAS Environmental, Inc.	**WorkOrder:**	1609666
Date Received:	9/15/16 14:13	**Extraction Method:**	SW3550B
Date Prepared:	9/16/16	**Analytical Method:**	SW8270C
Project:	14-002; 3037 Adeline St, Oakland	**Unit:**	mg/Kg

Semi-Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-7	**1609666-001A**	**Soil**	**09/15/2016 12:58**	**GC17**	**126674**

Analytes	Result	RL	DF	Date Analyzed
Surrogates	REC (%)	Limits		
2-Fluorophenol	80	30-130		09/16/2016 21:47
Phenol-d5	73	30-130		09/16/2016 21:47
Nitrobenzene-d5	74	30-130		09/16/2016 21:47
2-Fluorobiphenyl	65	30-130		09/16/2016 21:47
2,4,6-Tribromophenol	54	16-130		09/16/2016 21:47
4-Terphenyl-d14	63	30-130		09/16/2016 21:47

Analyst(s): REB Analytical Comments: a3,a4

(Cont.)

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Analytical Report

Client:	ERAS Environmental, Inc.	**WorkOrder:**	1609666
Date Received:	9/15/16 14:13	**Extraction Method:**	SW3550B
Date Prepared:	9/16/16	**Analytical Method:**	SW8270C
Project:	14-002; 3037 Adeline St, Oakland	**Unit:**	mg/Kg

Semi-Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-8	1609666-002A	Soil	09/15/2016 13:06	GC17	126674

Analytes	Result	RL	DF	Date Analyzed
Acenaphthene	ND	10	5	09/16/2016 22:16
Acenaphthylene	ND	10	5	09/16/2016 22:16
Acetochlor	ND	10	5	09/16/2016 22:16
Anthracene	ND	10	5	09/16/2016 22:16
Benzidine	ND	52	5	09/16/2016 22:16
Benzo (a) anthracene	ND	10	5	09/16/2016 22:16
Benzo (a) pyrene	ND	10	5	09/16/2016 22:16
Benzo (b) fluoranthene	ND	10	5	09/16/2016 22:16
Benzo (g,h,i) perylene	ND	10	5	09/16/2016 22:16
Benzo (k) fluoranthene	ND	10	5	09/16/2016 22:16
Benzyl Alcohol	ND	52	5	09/16/2016 22:16
1,1-Biphenyl	ND	10	5	09/16/2016 22:16
Bis (2-chloroethoxy) Methane	ND	10	5	09/16/2016 22:16
Bis (2-chloroethyl) Ether	ND	10	5	09/16/2016 22:16
Bis (2-chloroisopropyl) Ether	ND	10	5	09/16/2016 22:16
Bis (2-ethylhexyl) Adipate	ND	10	5	09/16/2016 22:16
Bis (2-ethylhexyl) Phthalate	ND	10	5	09/16/2016 22:16
4-Bromophenyl Phenyl Ether	ND	10	5	09/16/2016 22:16
Butylbenzyl Phthalate	ND	10	5	09/16/2016 22:16
4-Chloroaniline	ND	20	5	09/16/2016 22:16
4-Chloro-3-methylphenol	ND	10	5	09/16/2016 22:16
2-Chloronaphthalene	ND	10	5	09/16/2016 22:16
2-Chlorophenol	ND	10	5	09/16/2016 22:16
4-Chlorophenyl Phenyl Ether	ND	10	5	09/16/2016 22:16
Chrysene	ND	10	5	09/16/2016 22:16
Dibenzo (a,h) anthracene	ND	10	5	09/16/2016 22:16
Dibenzofuran	ND	10	5	09/16/2016 22:16
Di-n-butyl Phthalate	ND	10	5	09/16/2016 22:16
1,2-Dichlorobenzene	ND	10	5	09/16/2016 22:16
1,3-Dichlorobenzene	ND	10	5	09/16/2016 22:16
1,4-Dichlorobenzene	ND	10	5	09/16/2016 22:16
3,3-Dichlorobenzidine	ND	20	5	09/16/2016 22:16
2,4-Dichlorophenol	ND	10	5	09/16/2016 22:16
Diethyl Phthalate	ND	10	5	09/16/2016 22:16
2,4-Dimethylphenol	ND	10	5	09/16/2016 22:16
Dimethyl Phthalate	ND	10	5	09/16/2016 22:16
4,6-Dinitro-2-methylphenol	ND	52	5	09/16/2016 22:16

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Analytical Report

Client:	ERAS Environmental, Inc.	**WorkOrder:**	1609666
Date Received:	9/15/16 14:13	**Extraction Method:**	SW3550B
Date Prepared:	9/16/16	**Analytical Method:**	SW8270C
Project:	14-002; 3037 Adeline St, Oakland	**Unit:**	mg/Kg

Semi-Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-8	**1609666-002A**	**Soil**	**09/15/2016 13:06**	**GC17**	**126674**

Analytes	Result	RL	DF	Date Analyzed
2,4-Dinitrophenol	ND	250	5	09/16/2016 22:16
2,4-Dinitrotoluene	ND	10	5	09/16/2016 22:16
2,6-Dinitrotoluene	ND	10	5	09/16/2016 22:16
Di-n-octyl Phthalate	ND	20	5	09/16/2016 22:16
1,2-Diphenylhydrazine	ND	10	5	09/16/2016 22:16
Fluoranthene	ND	10	5	09/16/2016 22:16
Fluorene	ND	10	5	09/16/2016 22:16
Hexachlorobenzene	ND	10	5	09/16/2016 22:16
Hexachlorobutadiene	ND	10	5	09/16/2016 22:16
Hexachlorocyclopentadiene	ND	52	5	09/16/2016 22:16
Hexachloroethane	ND	10	5	09/16/2016 22:16
Indeno (1,2,3-cd) pyrene	ND	10	5	09/16/2016 22:16
Isophorone	ND	10	5	09/16/2016 22:16
2-Methylnaphthalene	**19**	10	5	09/16/2016 22:16
2-Methylphenol (o-Cresol)	ND	10	5	09/16/2016 22:16
3 & 4-Methylphenol (m,p-Cresol)	ND	10	5	09/16/2016 22:16
Naphthalene	ND	10	5	09/16/2016 22:16
2-Nitroaniline	ND	52	5	09/16/2016 22:16
3-Nitroaniline	ND	52	5	09/16/2016 22:16
4-Nitroaniline	ND	52	5	09/16/2016 22:16
Nitrobenzene	ND	10	5	09/16/2016 22:16
2-Nitrophenol	ND	52	5	09/16/2016 22:16
4-Nitrophenol	ND	52	5	09/16/2016 22:16
N-Nitrosodiphenylamine	ND	10	5	09/16/2016 22:16
N-Nitrosodi-n-propylamine	ND	10	5	09/16/2016 22:16
Pentachlorophenol	ND	52	5	09/16/2016 22:16
Phenanthrene	ND	10	5	09/16/2016 22:16
Phenol	ND	10	5	09/16/2016 22:16
Pyrene	ND	10	5	09/16/2016 22:16
1,2,4-Trichlorobenzene	ND	10	5	09/16/2016 22:16
2,4,5-Trichlorophenol	ND	10	5	09/16/2016 22:16
2,4,6-Trichlorophenol	ND	10	5	09/16/2016 22:16

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Analytical Report

Client:	ERAS Environmental, Inc.	**WorkOrder:**	1609666
Date Received:	9/15/16 14:13	**Extraction Method:**	SW3550B
Date Prepared:	9/16/16	**Analytical Method:**	SW8270C
Project:	14-002; 3037 Adeline St, Oakland	**Unit:**	mg/Kg

Semi-Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-8	**1609666-002A**	**Soil**	**09/15/2016 13:06**	**GC17**	**126674**

Analytes	Result	RL	DF	Date Analyzed
Surrogates	REC (%)	Limits		
2-Fluorophenol	79	30-130		09/16/2016 22:16
Phenol-d5	64	30-130		09/16/2016 22:16
Nitrobenzene-d5	87	30-130		09/16/2016 22:16
2-Fluorobiphenyl	71	30-130		09/16/2016 22:16
2,4,6-Tribromophenol	49	16-130		09/16/2016 22:16
4-Terphenyl-d14	67	30-130		09/16/2016 22:16

Analyst(s): REB Analytical Comments: a4

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Analytical Report

Client:	ERAS Environmental, Inc.	**WorkOrder:**	1609666
Date Received:	9/15/16 14:13	**Extraction Method:**	SW3550B
Date Prepared:	9/16/16	**Analytical Method:**	SW8270C
Project:	14-002; 3037 Adeline St, Oakland	**Unit:**	mg/Kg

Semi-Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-9	1609666-003A	Soil	09/15/2016 13:09	GC17	126674

Analytes	Result	RL	DF	Date Analyzed
Acenaphthene	ND	10	5	09/16/2016 22:44
Acenaphthylene	ND	10	5	09/16/2016 22:44
Acetochlor	ND	10	5	09/16/2016 22:44
Anthracene	ND	10	5	09/16/2016 22:44
Benzidine	ND	52	5	09/16/2016 22:44
Benzo (a) anthracene	ND	10	5	09/16/2016 22:44
Benzo (a) pyrene	ND	10	5	09/16/2016 22:44
Benzo (b) fluoranthene	ND	10	5	09/16/2016 22:44
Benzo (g,h,i) perylene	ND	10	5	09/16/2016 22:44
Benzo (k) fluoranthene	ND	10	5	09/16/2016 22:44
Benzyl Alcohol	ND	52	5	09/16/2016 22:44
1,1-Biphenyl	ND	10	5	09/16/2016 22:44
Bis (2-chloroethoxy) Methane	ND	10	5	09/16/2016 22:44
Bis (2-chloroethyl) Ether	ND	10	5	09/16/2016 22:44
Bis (2-chloroisopropyl) Ether	ND	10	5	09/16/2016 22:44
Bis (2-ethylhexyl) Adipate	ND	10	5	09/16/2016 22:44
Bis (2-ethylhexyl) Phthalate	ND	10	5	09/16/2016 22:44
4-Bromophenyl Phenyl Ether	ND	10	5	09/16/2016 22:44
Butylbenzyl Phthalate	ND	10	5	09/16/2016 22:44
4-Chloroaniline	ND	20	5	09/16/2016 22:44
4-Chloro-3-methylphenol	ND	10	5	09/16/2016 22:44
2-Chloronaphthalene	ND	10	5	09/16/2016 22:44
2-Chlorophenol	ND	10	5	09/16/2016 22:44
4-Chlorophenyl Phenyl Ether	ND	10	5	09/16/2016 22:44
Chrysene	ND	10	5	09/16/2016 22:44
Dibenzo (a,h) anthracene	ND	10	5	09/16/2016 22:44
Dibenzofuran	ND	10	5	09/16/2016 22:44
Di-n-butyl Phthalate	ND	10	5	09/16/2016 22:44
1,2-Dichlorobenzene	ND	10	5	09/16/2016 22:44
1,3-Dichlorobenzene	ND	10	5	09/16/2016 22:44
1,4-Dichlorobenzene	ND	10	5	09/16/2016 22:44
3,3-Dichlorobenzidine	ND	20	5	09/16/2016 22:44
2,4-Dichlorophenol	ND	10	5	09/16/2016 22:44
Diethyl Phthalate	ND	10	5	09/16/2016 22:44
2,4-Dimethylphenol	ND	10	5	09/16/2016 22:44
Dimethyl Phthalate	ND	10	5	09/16/2016 22:44
4,6-Dinitro-2-methylphenol	ND	52	5	09/16/2016 22:44

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Analytical Report

Client:	ERAS Environmental, Inc.	**WorkOrder:**	1609666
Date Received:	9/15/16 14:13	**Extraction Method:**	SW3550B
Date Prepared:	9/16/16	**Analytical Method:**	SW8270C
Project:	14-002; 3037 Adeline St, Oakland	**Unit:**	mg/Kg

Semi-Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-9	**1609666-003A**	**Soil**	**09/15/2016 13:09**	**GC17**	**126674**

Analytes	Result	RL	DF	Date Analyzed
2,4-Dinitrophenol	ND	250	5	09/16/2016 22:44
2,4-Dinitrotoluene	ND	10	5	09/16/2016 22:44
2,6-Dinitrotoluene	ND	10	5	09/16/2016 22:44
Di-n-octyl Phthalate	ND	20	5	09/16/2016 22:44
1,2-Diphenylhydrazine	ND	10	5	09/16/2016 22:44
Fluoranthene	ND	10	5	09/16/2016 22:44
Fluorene	ND	10	5	09/16/2016 22:44
Hexachlorobenzene	ND	10	5	09/16/2016 22:44
Hexachlorobutadiene	ND	10	5	09/16/2016 22:44
Hexachlorocyclopentadiene	ND	52	5	09/16/2016 22:44
Hexachloroethane	ND	10	5	09/16/2016 22:44
Indeno (1,2,3-cd) pyrene	ND	10	5	09/16/2016 22:44
Isophorone	ND	10	5	09/16/2016 22:44
2-Methylnaphthalene	ND	10	5	09/16/2016 22:44
2-Methylphenol (o-Cresol)	ND	10	5	09/16/2016 22:44
3 & 4-Methylphenol (m,p-Cresol)	ND	10	5	09/16/2016 22:44
Naphthalene	ND	10	5	09/16/2016 22:44
2-Nitroaniline	ND	52	5	09/16/2016 22:44
3-Nitroaniline	ND	52	5	09/16/2016 22:44
4-Nitroaniline	ND	52	5	09/16/2016 22:44
Nitrobenzene	ND	10	5	09/16/2016 22:44
2-Nitrophenol	ND	52	5	09/16/2016 22:44
4-Nitrophenol	ND	52	5	09/16/2016 22:44
N-Nitrosodiphenylamine	ND	10	5	09/16/2016 22:44
N-Nitrosodi-n-propylamine	ND	10	5	09/16/2016 22:44
Pentachlorophenol	ND	52	5	09/16/2016 22:44
Phenanthrene	ND	10	5	09/16/2016 22:44
Phenol	ND	10	5	09/16/2016 22:44
Pyrene	ND	10	5	09/16/2016 22:44
1,2,4-Trichlorobenzene	ND	10	5	09/16/2016 22:44
2,4,5-Trichlorophenol	ND	10	5	09/16/2016 22:44
2,4,6-Trichlorophenol	ND	10	5	09/16/2016 22:44

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Analytical Report

Client:	ERAS Environmental, Inc.	**WorkOrder:**	1609666
Date Received:	9/15/16 14:13	**Extraction Method:**	SW3550B
Date Prepared:	9/16/16	**Analytical Method:**	SW8270C
Project:	14-002; 3037 Adeline St, Oakland	**Unit:**	mg/Kg

Semi-Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-9	**1609666-003A**	**Soil**	**09/15/2016 13:09**	**GC17**	**126674**

Analytes	Result	RL	DF	Date Analyzed
Surrogates	REC (%)	Limits		
2-Fluorophenol	82	30-130		09/16/2016 22:44
Phenol-d5	61	30-130		09/16/2016 22:44
Nitrobenzene-d5	82	30-130		09/16/2016 22:44
2-Fluorobiphenyl	68	30-130		09/16/2016 22:44
2,4,6-Tribromophenol	51	16-130		09/16/2016 22:44
4-Terphenyl-d14	67	30-130		09/16/2016 22:44

Analyst(s): REB Analytical Comments: a3,a4

(Cont.)

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Analytical Report

Client:	ERAS Environmental, Inc.	**WorkOrder:**	1609666
Date Received:	9/15/16 14:13	**Extraction Method:**	SW3550B
Date Prepared:	9/16/16	**Analytical Method:**	SW8270C
Project:	14-002; 3037 Adeline St, Oakland	**Unit:**	mg/Kg

Semi-Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-10	1609666-004A	Soil	09/15/2016 13:12	GC17	126674

Analytes	Result	RL	DF	Date Analyzed
Acenaphthene	ND	2.0	1	09/19/2016 14:27
Acenaphthylene	ND	2.0	1	09/19/2016 14:27
Acetochlor	ND	2.0	1	09/19/2016 14:27
Anthracene	ND	2.0	1	09/19/2016 14:27
Benzidine	ND	10	1	09/19/2016 14:27
Benzo (a) anthracene	ND	2.0	1	09/19/2016 14:27
Benzo (a) pyrene	ND	2.0	1	09/19/2016 14:27
Benzo (b) fluoranthene	ND	2.0	1	09/19/2016 14:27
Benzo (g,h,i) perylene	ND	2.0	1	09/19/2016 14:27
Benzo (k) fluoranthene	ND	2.0	1	09/19/2016 14:27
Benzyl Alcohol	ND	10	1	09/19/2016 14:27
1,1-Biphenyl	ND	2.0	1	09/19/2016 14:27
Bis (2-chloroethoxy) Methane	ND	2.0	1	09/19/2016 14:27
Bis (2-chloroethyl) Ether	ND	2.0	1	09/19/2016 14:27
Bis (2-chloroisopropyl) Ether	ND	2.0	1	09/19/2016 14:27
Bis (2-ethylhexyl) Adipate	ND	2.0	1	09/19/2016 14:27
Bis (2-ethylhexyl) Phthalate	ND	2.0	1	09/19/2016 14:27
4-Bromophenyl Phenyl Ether	ND	2.0	1	09/19/2016 14:27
Butylbenzyl Phthalate	ND	2.0	1	09/19/2016 14:27
4-Chloroaniline	ND	4.0	1	09/19/2016 14:27
4-Chloro-3-methylphenol	ND	2.0	1	09/19/2016 14:27
2-Chloronaphthalene	ND	2.0	1	09/19/2016 14:27
2-Chlorophenol	ND	2.0	1	09/19/2016 14:27
4-Chlorophenyl Phenyl Ether	ND	2.0	1	09/19/2016 14:27
Chrysene	ND	2.0	1	09/19/2016 14:27
Dibenzo (a,h) anthracene	ND	2.0	1	09/19/2016 14:27
Dibenzofuran	ND	2.0	1	09/19/2016 14:27
Di-n-butyl Phthalate	ND	2.0	1	09/19/2016 14:27
1,2-Dichlorobenzene	ND	2.0	1	09/19/2016 14:27
1,3-Dichlorobenzene	ND	2.0	1	09/19/2016 14:27
1,4-Dichlorobenzene	ND	2.0	1	09/19/2016 14:27
3,3-Dichlorobenzidine	ND	4.0	1	09/19/2016 14:27
2,4-Dichlorophenol	ND	2.0	1	09/19/2016 14:27
Diethyl Phthalate	ND	2.0	1	09/19/2016 14:27
2,4-Dimethylphenol	ND	2.0	1	09/19/2016 14:27
Dimethyl Phthalate	ND	2.0	1	09/19/2016 14:27
4,6-Dinitro-2-methylphenol	ND	10	1	09/19/2016 14:27

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1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Analytical Report

Client:	ERAS Environmental, Inc.	**WorkOrder:**	1609666
Date Received:	9/15/16 14:13	**Extraction Method:**	SW3550B
Date Prepared:	9/16/16	**Analytical Method:**	SW8270C
Project:	14-002; 3037 Adeline St, Oakland	**Unit:**	mg/Kg

Semi-Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-10	**1609666-004A**	**Soil**	**09/15/2016 13:12**	**GC17**	**126674**

Analytes	Result	RL	DF	Date Analyzed
2,4-Dinitrophenol	ND	50	1	09/19/2016 14:27
2,4-Dinitrotoluene	ND	2.0	1	09/19/2016 14:27
2,6-Dinitrotoluene	ND	2.0	1	09/19/2016 14:27
Di-n-octyl Phthalate	ND	4.0	1	09/19/2016 14:27
1,2-Diphenylhydrazine	ND	2.0	1	09/19/2016 14:27
Fluoranthene	ND	2.0	1	09/19/2016 14:27
Fluorene	ND	2.0	1	09/19/2016 14:27
Hexachlorobenzene	ND	2.0	1	09/19/2016 14:27
Hexachlorobutadiene	ND	2.0	1	09/19/2016 14:27
Hexachlorocyclopentadiene	ND	10	1	09/19/2016 14:27
Hexachloroethane	ND	2.0	1	09/19/2016 14:27
Indeno (1,2,3-cd) pyrene	ND	2.0	1	09/19/2016 14:27
Isophorone	ND	2.0	1	09/19/2016 14:27
2-Methylnaphthalene	**2.2**	2.0	1	09/19/2016 14:27
2-Methylphenol (o-Cresol)	ND	2.0	1	09/19/2016 14:27
3 & 4-Methylphenol (m,p-Cresol)	ND	2.0	1	09/19/2016 14:27
Naphthalene	ND	2.0	1	09/19/2016 14:27
2-Nitroaniline	ND	10	1	09/19/2016 14:27
3-Nitroaniline	ND	10	1	09/19/2016 14:27
4-Nitroaniline	ND	10	1	09/19/2016 14:27
Nitrobenzene	ND	2.0	1	09/19/2016 14:27
2-Nitrophenol	ND	10	1	09/19/2016 14:27
4-Nitrophenol	ND	10	1	09/19/2016 14:27
N-Nitrosodiphenylamine	ND	2.0	1	09/19/2016 14:27
N-Nitrosodi-n-propylamine	ND	2.0	1	09/19/2016 14:27
Pentachlorophenol	ND	10	1	09/19/2016 14:27
Phenanthrene	ND	2.0	1	09/19/2016 14:27
Phenol	ND	2.0	1	09/19/2016 14:27
Pyrene	ND	2.0	1	09/19/2016 14:27
1,2,4-Trichlorobenzene	ND	2.0	1	09/19/2016 14:27
2,4,5-Trichlorophenol	ND	2.0	1	09/19/2016 14:27
2,4,6-Trichlorophenol	ND	2.0	1	09/19/2016 14:27

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Date Prepared:	9/16/16	**Analytical Method:**	SW8270C
Project:	14-002; 3037 Adeline St, Oakland	**Unit:**	mg/Kg

Semi-Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-10	**1609666-004A**	**Soil**	**09/15/2016 13:12**	**GC17**	**126674**

Analytes	Result	RL	DF	Date Analyzed
Surrogates	REC (%)	Limits		
2-Fluorophenol	92	30-130		09/19/2016 14:27
Phenol-d5	81	30-130		09/19/2016 14:27
Nitrobenzene-d5	80	30-130		09/19/2016 14:27
2-Fluorobiphenyl	72	30-130		09/19/2016 14:27
2,4,6-Tribromophenol	63	16-130		09/19/2016 14:27
4-Terphenyl-d14	77	30-130		09/19/2016 14:27

Analyst(s): REB Analytical Comments: a4

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Date Received:	9/15/16 14:13	**Extraction Method:**	SW3550B
Date Prepared:	9/16/16	**Analytical Method:**	SW8270C
Project:	14-002; 3037 Adeline St, Oakland	**Unit:**	mg/Kg

Semi-Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-11	1609666-005A	Soil	09/15/2016 13:17	GC17	126674

Analytes	Result	RL	DF	Date Analyzed
Acenaphthene	ND	40	20	09/16/2016 23:12
Acenaphthylene	ND	40	20	09/16/2016 23:12
Acetochlor	ND	40	20	09/16/2016 23:12
Anthracene	ND	40	20	09/16/2016 23:12
Benzidine	ND	210	20	09/16/2016 23:12
Benzo (a) anthracene	ND	40	20	09/16/2016 23:12
Benzo (a) pyrene	ND	40	20	09/16/2016 23:12
Benzo (b) fluoranthene	ND	40	20	09/16/2016 23:12
Benzo (g,h,i) perylene	ND	40	20	09/16/2016 23:12
Benzo (k) fluoranthene	ND	40	20	09/16/2016 23:12
Benzyl Alcohol	ND	210	20	09/16/2016 23:12
1,1-Biphenyl	ND	40	20	09/16/2016 23:12
Bis (2-chloroethoxy) Methane	ND	40	20	09/16/2016 23:12
Bis (2-chloroethyl) Ether	ND	40	20	09/16/2016 23:12
Bis (2-chloroisopropyl) Ether	ND	40	20	09/16/2016 23:12
Bis (2-ethylhexyl) Adipate	ND	40	20	09/16/2016 23:12
Bis (2-ethylhexyl) Phthalate	ND	40	20	09/16/2016 23:12
4-Bromophenyl Phenyl Ether	ND	40	20	09/16/2016 23:12
Butylbenzyl Phthalate	ND	40	20	09/16/2016 23:12
4-Chloroaniline	ND	80	20	09/16/2016 23:12
4-Chloro-3-methylphenol	ND	40	20	09/16/2016 23:12
2-Chloronaphthalene	ND	40	20	09/16/2016 23:12
2-Chlorophenol	ND	40	20	09/16/2016 23:12
4-Chlorophenyl Phenyl Ether	ND	40	20	09/16/2016 23:12
Chrysene	ND	40	20	09/16/2016 23:12
Dibenzo (a,h) anthracene	ND	40	20	09/16/2016 23:12
Dibenzofuran	ND	40	20	09/16/2016 23:12
Di-n-butyl Phthalate	ND	40	20	09/16/2016 23:12
1,2-Dichlorobenzene	ND	40	20	09/16/2016 23:12
1,3-Dichlorobenzene	ND	40	20	09/16/2016 23:12
1,4-Dichlorobenzene	ND	40	20	09/16/2016 23:12
3,3-Dichlorobenzidine	ND	80	20	09/16/2016 23:12
2,4-Dichlorophenol	ND	40	20	09/16/2016 23:12
Diethyl Phthalate	ND	40	20	09/16/2016 23:12
2,4-Dimethylphenol	ND	40	20	09/16/2016 23:12
Dimethyl Phthalate	ND	40	20	09/16/2016 23:12
4,6-Dinitro-2-methylphenol	ND	210	20	09/16/2016 23:12

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Date Received:	9/15/16 14:13	**Extraction Method:**	SW3550B
Date Prepared:	9/16/16	**Analytical Method:**	SW8270C
Project:	14-002; 3037 Adeline St, Oakland	**Unit:**	mg/Kg

Semi-Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-11	**1609666-005A**	**Soil**	**09/15/2016 13:17**	**GC17**	**126674**

Analytes	Result	RL	DF	Date Analyzed
2,4-Dinitrophenol	ND	1000	20	09/16/2016 23:12
2,4-Dinitrotoluene	ND	40	20	09/16/2016 23:12
2,6-Dinitrotoluene	ND	40	20	09/16/2016 23:12
Di-n-octyl Phthalate	ND	80	20	09/16/2016 23:12
1,2-Diphenylhydrazine	ND	40	20	09/16/2016 23:12
Fluoranthene	ND	40	20	09/16/2016 23:12
Fluorene	ND	40	20	09/16/2016 23:12
Hexachlorobenzene	ND	40	20	09/16/2016 23:12
Hexachlorobutadiene	ND	40	20	09/16/2016 23:12
Hexachlorocyclopentadiene	ND	210	20	09/16/2016 23:12
Hexachloroethane	ND	40	20	09/16/2016 23:12
Indeno (1,2,3-cd) pyrene	ND	40	20	09/16/2016 23:12
Isophorone	ND	40	20	09/16/2016 23:12
2-Methylnaphthalene	ND	40	20	09/16/2016 23:12
2-Methylphenol (o-Cresol)	ND	40	20	09/16/2016 23:12
3 & 4-Methylphenol (m,p-Cresol)	ND	40	20	09/16/2016 23:12
Naphthalene	ND	40	20	09/16/2016 23:12
2-Nitroaniline	ND	210	20	09/16/2016 23:12
3-Nitroaniline	ND	210	20	09/16/2016 23:12
4-Nitroaniline	ND	210	20	09/16/2016 23:12
Nitrobenzene	ND	40	20	09/16/2016 23:12
2-Nitrophenol	ND	210	20	09/16/2016 23:12
4-Nitrophenol	ND	210	20	09/16/2016 23:12
N-Nitrosodiphenylamine	ND	40	20	09/16/2016 23:12
N-Nitrosodi-n-propylamine	ND	40	20	09/16/2016 23:12
Pentachlorophenol	ND	210	20	09/16/2016 23:12
Phenanthrene	ND	40	20	09/16/2016 23:12
Phenol	ND	40	20	09/16/2016 23:12
Pyrene	ND	40	20	09/16/2016 23:12
1,2,4-Trichlorobenzene	ND	40	20	09/16/2016 23:12
2,4,5-Trichlorophenol	ND	40	20	09/16/2016 23:12
2,4,6-Trichlorophenol	ND	40	20	09/16/2016 23:12

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Date Prepared:	9/16/16	**Analytical Method:**	SW8270C
Project:	14-002; 3037 Adeline St, Oakland	**Unit:**	mg/Kg

Semi-Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-11	**1609666-005A**	**Soil**	**09/15/2016 13:17**	**GC17**	**126674**

Analytes	Result		RL	DF	Date Analyzed
Surrogates	REC (%)	Qualifiers	Limits		
2-Fluorophenol	82		30-130		09/16/2016 23:12
Phenol-d5	51		30-130		09/16/2016 23:12
Nitrobenzene-d5	73		30-130		09/16/2016 23:12
2-Fluorobiphenyl	65		30-130		09/16/2016 23:12
2,4,6-Tribromophenol	13	S	16-130		09/16/2016 23:12
4-Terphenyl-d14	69		30-130		09/16/2016 23:12

Analyst(s): REB Analytical Comments: a3,a4,c1

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Analytical Report

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Date Received:	9/15/16 14:13	**Extraction Method:**	SW3550B
Date Prepared:	9/16/16	**Analytical Method:**	SW8270C
Project:	14-002; 3037 Adeline St, Oakland	**Unit:**	mg/Kg

Semi-Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-12	1609666-006A	Soil	09/15/2016 13:21	GC17	126674

Analytes	Result	RL	DF	Date Analyzed
Acenaphthene	ND	2.0	1	09/19/2016 14:57
Acenaphthylene	ND	2.0	1	09/19/2016 14:57
Acetochlor	ND	2.0	1	09/19/2016 14:57
Anthracene	ND	2.0	1	09/19/2016 14:57
Benzidine	ND	10	1	09/19/2016 14:57
Benzo (a) anthracene	ND	2.0	1	09/19/2016 14:57
Benzo (a) pyrene	ND	2.0	1	09/19/2016 14:57
Benzo (b) fluoranthene	ND	2.0	1	09/19/2016 14:57
Benzo (g,h,i) perylene	ND	2.0	1	09/19/2016 14:57
Benzo (k) fluoranthene	ND	2.0	1	09/19/2016 14:57
Benzyl Alcohol	ND	10	1	09/19/2016 14:57
1,1-Biphenyl	ND	2.0	1	09/19/2016 14:57
Bis (2-chloroethoxy) Methane	ND	2.0	1	09/19/2016 14:57
Bis (2-chloroethyl) Ether	ND	2.0	1	09/19/2016 14:57
Bis (2-chloroisopropyl) Ether	ND	2.0	1	09/19/2016 14:57
Bis (2-ethylhexyl) Adipate	ND	2.0	1	09/19/2016 14:57
Bis (2-ethylhexyl) Phthalate	ND	2.0	1	09/19/2016 14:57
4-Bromophenyl Phenyl Ether	ND	2.0	1	09/19/2016 14:57
Butylbenzyl Phthalate	ND	2.0	1	09/19/2016 14:57
4-Chloroaniline	ND	4.0	1	09/19/2016 14:57
4-Chloro-3-methylphenol	ND	2.0	1	09/19/2016 14:57
2-Chloronaphthalene	ND	2.0	1	09/19/2016 14:57
2-Chlorophenol	ND	2.0	1	09/19/2016 14:57
4-Chlorophenyl Phenyl Ether	ND	2.0	1	09/19/2016 14:57
Chrysene	ND	2.0	1	09/19/2016 14:57
Dibenzo (a,h) anthracene	ND	2.0	1	09/19/2016 14:57
Dibenzofuran	ND	2.0	1	09/19/2016 14:57
Di-n-butyl Phthalate	ND	2.0	1	09/19/2016 14:57
1,2-Dichlorobenzene	ND	2.0	1	09/19/2016 14:57
1,3-Dichlorobenzene	ND	2.0	1	09/19/2016 14:57
1,4-Dichlorobenzene	ND	2.0	1	09/19/2016 14:57
3,3-Dichlorobenzidine	ND	4.0	1	09/19/2016 14:57
2,4-Dichlorophenol	ND	2.0	1	09/19/2016 14:57
Diethyl Phthalate	ND	2.0	1	09/19/2016 14:57
2,4-Dimethylphenol	ND	2.0	1	09/19/2016 14:57
Dimethyl Phthalate	ND	2.0	1	09/19/2016 14:57
4,6-Dinitro-2-methylphenol	ND	10	1	09/19/2016 14:57

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Client:	ERAS Environmental, Inc.	**WorkOrder:**	1609666
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Date Prepared:	9/16/16	**Analytical Method:**	SW8270C
Project:	14-002; 3037 Adeline St, Oakland	**Unit:**	mg/Kg

Semi-Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-12	1609666-006A	Soil	09/15/2016 13:21	GC17	126674

Analytes	Result	RL	DF	Date Analyzed
2,4-Dinitrophenol	ND	50	1	09/19/2016 14:57
2,4-Dinitrotoluene	ND	2.0	1	09/19/2016 14:57
2,6-Dinitrotoluene	ND	2.0	1	09/19/2016 14:57
Di-n-octyl Phthalate	ND	4.0	1	09/19/2016 14:57
1,2-Diphenylhydrazine	ND	2.0	1	09/19/2016 14:57
Fluoranthene	ND	2.0	1	09/19/2016 14:57
Fluorene	ND	2.0	1	09/19/2016 14:57
Hexachlorobenzene	ND	2.0	1	09/19/2016 14:57
Hexachlorobutadiene	ND	2.0	1	09/19/2016 14:57
Hexachlorocyclopentadiene	ND	10	1	09/19/2016 14:57
Hexachloroethane	ND	2.0	1	09/19/2016 14:57
Indeno (1,2,3-cd) pyrene	ND	2.0	1	09/19/2016 14:57
Isophorone	ND	2.0	1	09/19/2016 14:57
2-Methylnaphthalene	ND	2.0	1	09/19/2016 14:57
2-Methylphenol (o-Cresol)	ND	2.0	1	09/19/2016 14:57
3 & 4-Methylphenol (m,p-Cresol)	ND	2.0	1	09/19/2016 14:57
Naphthalene	ND	2.0	1	09/19/2016 14:57
2-Nitroaniline	ND	10	1	09/19/2016 14:57
3-Nitroaniline	ND	10	1	09/19/2016 14:57
4-Nitroaniline	ND	10	1	09/19/2016 14:57
Nitrobenzene	ND	2.0	1	09/19/2016 14:57
2-Nitrophenol	ND	10	1	09/19/2016 14:57
4-Nitrophenol	ND	10	1	09/19/2016 14:57
N-Nitrosodiphenylamine	ND	2.0	1	09/19/2016 14:57
N-Nitrosodi-n-propylamine	ND	2.0	1	09/19/2016 14:57
Pentachlorophenol	ND	10	1	09/19/2016 14:57
Phenanthrene	ND	2.0	1	09/19/2016 14:57
Phenol	ND	2.0	1	09/19/2016 14:57
Pyrene	ND	2.0	1	09/19/2016 14:57
1,2,4-Trichlorobenzene	ND	2.0	1	09/19/2016 14:57
2,4,5-Trichlorophenol	ND	2.0	1	09/19/2016 14:57
2,4,6-Trichlorophenol	ND	2.0	1	09/19/2016 14:57

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Date Prepared:	9/16/16	**Analytical Method:**	SW8270C
Project:	14-002; 3037 Adeline St, Oakland	**Unit:**	mg/Kg

Semi-Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-12	**1609666-006A**	**Soil**	**09/15/2016 13:21**	**GC17**	**126674**

Analytes	Result	RL	DF	Date Analyzed
Surrogates	REC (%)	Limits		
2-Fluorophenol	89	30-130		09/19/2016 14:57
Phenol-d5	78	30-130		09/19/2016 14:57
Nitrobenzene-d5	80	30-130		09/19/2016 14:57
2-Fluorobiphenyl	72	30-130		09/19/2016 14:57
2,4,6-Tribromophenol	57	16-130		09/19/2016 14:57
4-Terphenyl-d14	74	30-130		09/19/2016 14:57

Analyst(s): REB Analytical Comments: a4

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NELAP 4033ORELAP

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Date Prepared:	9/16/16	**Analytical Method:**	SW8270C
Project:	14-002; 3037 Adeline St, Oakland	**Unit:**	mg/Kg

Semi-Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-13	1609666-007A	Soil	09/15/2016 13:26	GC21	126674

Analytes	Result	RL	DF	Date Analyzed
Acenaphthene	ND	0.25	1	09/16/2016 20:41
Acenaphthylene	ND	0.25	1	09/16/2016 20:41
Acetochlor	ND	0.25	1	09/16/2016 20:41
Anthracene	ND	0.25	1	09/16/2016 20:41
Benzidine	ND	1.3	1	09/16/2016 20:41
Benzo (a) anthracene	ND	0.25	1	09/16/2016 20:41
Benzo (a) pyrene	ND	0.25	1	09/16/2016 20:41
Benzo (b) fluoranthene	ND	0.25	1	09/16/2016 20:41
Benzo (g,h,i) perylene	ND	0.25	1	09/16/2016 20:41
Benzo (k) fluoranthene	ND	0.25	1	09/16/2016 20:41
Benzyl Alcohol	ND	1.3	1	09/16/2016 20:41
1,1-Biphenyl	ND	0.25	1	09/16/2016 20:41
Bis (2-chloroethoxy) Methane	ND	0.25	1	09/16/2016 20:41
Bis (2-chloroethyl) Ether	ND	0.25	1	09/16/2016 20:41
Bis (2-chloroisopropyl) Ether	ND	0.25	1	09/16/2016 20:41
Bis (2-ethylhexyl) Adipate	ND	0.25	1	09/16/2016 20:41
Bis (2-ethylhexyl) Phthalate	ND	0.25	1	09/16/2016 20:41
4-Bromophenyl Phenyl Ether	ND	0.25	1	09/16/2016 20:41
Butylbenzyl Phthalate	ND	0.25	1	09/16/2016 20:41
4-Chloroaniline	ND	0.50	1	09/16/2016 20:41
4-Chloro-3-methylphenol	ND	0.25	1	09/16/2016 20:41
2-Chloronaphthalene	ND	0.25	1	09/16/2016 20:41
2-Chlorophenol	ND	0.25	1	09/16/2016 20:41
4-Chlorophenyl Phenyl Ether	ND	0.25	1	09/16/2016 20:41
Chrysene	ND	0.25	1	09/16/2016 20:41
Dibenzo (a,h) anthracene	ND	0.25	1	09/16/2016 20:41
Dibenzofuran	ND	0.25	1	09/16/2016 20:41
Di-n-butyl Phthalate	ND	0.25	1	09/16/2016 20:41
1,2-Dichlorobenzene	ND	0.25	1	09/16/2016 20:41
1,3-Dichlorobenzene	ND	0.25	1	09/16/2016 20:41
1,4-Dichlorobenzene	ND	0.25	1	09/16/2016 20:41
3,3-Dichlorobenzidine	ND	0.50	1	09/16/2016 20:41
2,4-Dichlorophenol	ND	0.25	1	09/16/2016 20:41
Diethyl Phthalate	ND	0.25	1	09/16/2016 20:41
2,4-Dimethylphenol	ND	0.25	1	09/16/2016 20:41
Dimethyl Phthalate	ND	0.25	1	09/16/2016 20:41
4,6-Dinitro-2-methylphenol	ND	1.3	1	09/16/2016 20:41

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Angela Rydelius, Lab Manager

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http://www.mccampbell.com / E-mail: main@mccampbell.com

Analytical Report

Client:	ERAS Environmental, Inc.	**WorkOrder:**	1609666
Date Received:	9/15/16 14:13	**Extraction Method:**	SW3550B
Date Prepared:	9/16/16	**Analytical Method:**	SW8270C
Project:	14-002; 3037 Adeline St, Oakland	**Unit:**	mg/Kg

Semi-Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-13	1609666-007A	Soil	09/15/2016 13:26	GC21	126674

Analytes	Result	RL	DF	Date Analyzed
2,4-Dinitrophenol	ND	6.3	1	09/16/2016 20:41
2,4-Dinitrotoluene	ND	0.25	1	09/16/2016 20:41
2,6-Dinitrotoluene	ND	0.25	1	09/16/2016 20:41
Di-n-octyl Phthalate	ND	0.50	1	09/16/2016 20:41
1,2-Diphenylhydrazine	ND	0.25	1	09/16/2016 20:41
Fluoranthene	ND	0.25	1	09/16/2016 20:41
Fluorene	ND	0.25	1	09/16/2016 20:41
Hexachlorobenzene	ND	0.25	1	09/16/2016 20:41
Hexachlorobutadiene	ND	0.25	1	09/16/2016 20:41
Hexachlorocyclopentadiene	ND	1.3	1	09/16/2016 20:41
Hexachloroethane	ND	0.25	1	09/16/2016 20:41
Indeno (1,2,3-cd) pyrene	ND	0.25	1	09/16/2016 20:41
Isophorone	ND	0.25	1	09/16/2016 20:41
2-Methylnaphthalene	ND	0.25	1	09/16/2016 20:41
2-Methylphenol (o-Cresol)	ND	0.25	1	09/16/2016 20:41
3 & 4-Methylphenol (m,p-Cresol)	ND	0.25	1	09/16/2016 20:41
Naphthalene	ND	0.25	1	09/16/2016 20:41
2-Nitroaniline	ND	1.3	1	09/16/2016 20:41
3-Nitroaniline	ND	1.3	1	09/16/2016 20:41
4-Nitroaniline	ND	1.3	1	09/16/2016 20:41
Nitrobenzene	ND	0.25	1	09/16/2016 20:41
2-Nitrophenol	ND	1.3	1	09/16/2016 20:41
4-Nitrophenol	ND	1.3	1	09/16/2016 20:41
N-Nitrosodiphenylamine	ND	0.25	1	09/16/2016 20:41
N-Nitrosodi-n-propylamine	ND	0.25	1	09/16/2016 20:41
Pentachlorophenol	ND	1.3	1	09/16/2016 20:41
Phenanthrene	ND	0.25	1	09/16/2016 20:41
Phenol	ND	0.25	1	09/16/2016 20:41
Pyrene	ND	0.25	1	09/16/2016 20:41
1,2,4-Trichlorobenzene	ND	0.25	1	09/16/2016 20:41
2,4,5-Trichlorophenol	ND	0.25	1	09/16/2016 20:41
2,4,6-Trichlorophenol	ND	0.25	1	09/16/2016 20:41

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Analytical Report

Client:	ERAS Environmental, Inc.	**WorkOrder:**	1609666
Date Received:	9/15/16 14:13	**Extraction Method:**	SW3550B
Date Prepared:	9/16/16	**Analytical Method:**	SW8270C
Project:	14-002; 3037 Adeline St, Oakland	**Unit:**	mg/Kg

Semi-Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-13	**1609666-007A**	**Soil**	**09/15/2016 13:26**	**GC21**	**126674**

Analytes	Result	RL	DF	Date Analyzed
Surrogates	REC (%)	Limits		
2-Fluorophenol	53	30-130		09/16/2016 20:41
Phenol-d5	50	30-130		09/16/2016 20:41
Nitrobenzene-d5	51	30-130		09/16/2016 20:41
2-Fluorobiphenyl	56	30-130		09/16/2016 20:41
2,4,6-Tribromophenol	29	16-130		09/16/2016 20:41
4-Terphenyl-d14	59	30-130		09/16/2016 20:41

Analyst(s): REB

(Cont.)

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Analytical Report

Client:	ERAS Environmental, Inc.	**WorkOrder:**	1609666
Date Received:	9/15/16 14:13	**Extraction Method:**	SW3550B
Date Prepared:	9/16/16	**Analytical Method:**	SW8270C
Project:	14-002; 3037 Adeline St, Oakland	**Unit:**	mg/Kg

Semi-Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-14	1609666-008A	Soil	09/15/2016 13:29	GC21	126674

Analytes	Result	RL	DF	Date Analyzed
Acenaphthene	ND	0.25	1	09/16/2016 21:09
Acenaphthylene	ND	0.25	1	09/16/2016 21:09
Acetochlor	ND	0.25	1	09/16/2016 21:09
Anthracene	ND	0.25	1	09/16/2016 21:09
Benzidine	ND	1.3	1	09/16/2016 21:09
Benzo (a) anthracene	ND	0.25	1	09/16/2016 21:09
Benzo (a) pyrene	ND	0.25	1	09/16/2016 21:09
Benzo (b) fluoranthene	ND	0.25	1	09/16/2016 21:09
Benzo (g,h,i) perylene	ND	0.25	1	09/16/2016 21:09
Benzo (k) fluoranthene	ND	0.25	1	09/16/2016 21:09
Benzyl Alcohol	ND	1.3	1	09/16/2016 21:09
1,1-Biphenyl	ND	0.25	1	09/16/2016 21:09
Bis (2-chloroethoxy) Methane	ND	0.25	1	09/16/2016 21:09
Bis (2-chloroethyl) Ether	ND	0.25	1	09/16/2016 21:09
Bis (2-chloroisopropyl) Ether	ND	0.25	1	09/16/2016 21:09
Bis (2-ethylhexyl) Adipate	ND	0.25	1	09/16/2016 21:09
Bis (2-ethylhexyl) Phthalate	ND	0.25	1	09/16/2016 21:09
4-Bromophenyl Phenyl Ether	ND	0.25	1	09/16/2016 21:09
Butylbenzyl Phthalate	ND	0.25	1	09/16/2016 21:09
4-Chloroaniline	ND	0.50	1	09/16/2016 21:09
4-Chloro-3-methylphenol	ND	0.25	1	09/16/2016 21:09
2-Chloronaphthalene	ND	0.25	1	09/16/2016 21:09
2-Chlorophenol	ND	0.25	1	09/16/2016 21:09
4-Chlorophenyl Phenyl Ether	ND	0.25	1	09/16/2016 21:09
Chrysene	ND	0.25	1	09/16/2016 21:09
Dibenzo (a,h) anthracene	ND	0.25	1	09/16/2016 21:09
Dibenzofuran	ND	0.25	1	09/16/2016 21:09
Di-n-butyl Phthalate	ND	0.25	1	09/16/2016 21:09
1,2-Dichlorobenzene	ND	0.25	1	09/16/2016 21:09
1,3-Dichlorobenzene	ND	0.25	1	09/16/2016 21:09
1,4-Dichlorobenzene	ND	0.25	1	09/16/2016 21:09
3,3-Dichlorobenzidine	ND	0.50	1	09/16/2016 21:09
2,4-Dichlorophenol	ND	0.25	1	09/16/2016 21:09
Diethyl Phthalate	ND	0.25	1	09/16/2016 21:09
2,4-Dimethylphenol	ND	0.25	1	09/16/2016 21:09
Dimethyl Phthalate	ND	0.25	1	09/16/2016 21:09
4,6-Dinitro-2-methylphenol	ND	1.3	1	09/16/2016 21:09

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Analytical Report

Client:	ERAS Environmental, Inc.	**WorkOrder:**	1609666
Date Received:	9/15/16 14:13	**Extraction Method:**	SW3550B
Date Prepared:	9/16/16	**Analytical Method:**	SW8270C
Project:	14-002; 3037 Adeline St, Oakland	**Unit:**	mg/Kg

Semi-Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-14	1609666-008A	Soil	09/15/2016 13:29	GC21	126674

Analytes	Result	RL	DF	Date Analyzed
2,4-Dinitrophenol	ND	6.3	1	09/16/2016 21:09
2,4-Dinitrotoluene	ND	0.25	1	09/16/2016 21:09
2,6-Dinitrotoluene	ND	0.25	1	09/16/2016 21:09
Di-n-octyl Phthalate	ND	0.50	1	09/16/2016 21:09
1,2-Diphenylhydrazine	ND	0.25	1	09/16/2016 21:09
Fluoranthene	ND	0.25	1	09/16/2016 21:09
Fluorene	ND	0.25	1	09/16/2016 21:09
Hexachlorobenzene	ND	0.25	1	09/16/2016 21:09
Hexachlorobutadiene	ND	0.25	1	09/16/2016 21:09
Hexachlorocyclopentadiene	ND	1.3	1	09/16/2016 21:09
Hexachloroethane	ND	0.25	1	09/16/2016 21:09
Indeno (1,2,3-cd) pyrene	ND	0.25	1	09/16/2016 21:09
Isophorone	ND	0.25	1	09/16/2016 21:09
2-Methylnaphthalene	ND	0.25	1	09/16/2016 21:09
2-Methylphenol (o-Cresol)	ND	0.25	1	09/16/2016 21:09
3 & 4-Methylphenol (m,p-Cresol)	ND	0.25	1	09/16/2016 21:09
Naphthalene	ND	0.25	1	09/16/2016 21:09
2-Nitroaniline	ND	1.3	1	09/16/2016 21:09
3-Nitroaniline	ND	1.3	1	09/16/2016 21:09
4-Nitroaniline	ND	1.3	1	09/16/2016 21:09
Nitrobenzene	ND	0.25	1	09/16/2016 21:09
2-Nitrophenol	ND	1.3	1	09/16/2016 21:09
4-Nitrophenol	ND	1.3	1	09/16/2016 21:09
N-Nitrosodiphenylamine	ND	0.25	1	09/16/2016 21:09
N-Nitrosodi-n-propylamine	ND	0.25	1	09/16/2016 21:09
Pentachlorophenol	ND	1.3	1	09/16/2016 21:09
Phenanthrene	ND	0.25	1	09/16/2016 21:09
Phenol	ND	0.25	1	09/16/2016 21:09
Pyrene	ND	0.25	1	09/16/2016 21:09
1,2,4-Trichlorobenzene	ND	0.25	1	09/16/2016 21:09
2,4,5-Trichlorophenol	ND	0.25	1	09/16/2016 21:09
2,4,6-Trichlorophenol	ND	0.25	1	09/16/2016 21:09

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Analytical Report

Client:	ERAS Environmental, Inc.	**WorkOrder:**	1609666
Date Received:	9/15/16 14:13	**Extraction Method:**	SW3550B
Date Prepared:	9/16/16	**Analytical Method:**	SW8270C
Project:	14-002; 3037 Adeline St, Oakland	**Unit:**	mg/Kg

Semi-Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-14	**1609666-008A**	**Soil**	**09/15/2016 13:29**	**GC21**	**126674**

Analytes	Result	RL	DF	Date Analyzed
Surrogates	REC (%)	Limits		
2-Fluorophenol	68	30-130		09/16/2016 21:09
Phenol-d5	56	30-130		09/16/2016 21:09
Nitrobenzene-d5	61	30-130		09/16/2016 21:09
2-Fluorobiphenyl	67	30-130		09/16/2016 21:09
2,4,6-Tribromophenol	36	16-130		09/16/2016 21:09
4-Terphenyl-d14	74	30-130		09/16/2016 21:09

Analyst(s): REB

(Cont.)

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Analytical Report

Client:	ERAS Environmental, Inc.	**WorkOrder:**	1609666
Date Received:	9/15/16 14:13	**Extraction Method:**	SW3550B
Date Prepared:	9/16/16	**Analytical Method:**	SW8270C
Project:	14-002; 3037 Adeline St, Oakland	**Unit:**	mg/Kg

Semi-Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-15	1609666-009A	Soil	09/15/2016 13:34	GC21	126674

Analytes	Result	RL	DF	Date Analyzed
Acenaphthene	ND	0.25	1	09/16/2016 21:36
Acenaphthylene	ND	0.25	1	09/16/2016 21:36
Acetochlor	ND	0.25	1	09/16/2016 21:36
Anthracene	ND	0.25	1	09/16/2016 21:36
Benzidine	ND	1.3	1	09/16/2016 21:36
Benzo (a) anthracene	ND	0.25	1	09/16/2016 21:36
Benzo (a) pyrene	ND	0.25	1	09/16/2016 21:36
Benzo (b) fluoranthene	ND	0.25	1	09/16/2016 21:36
Benzo (g,h,i) perylene	ND	0.25	1	09/16/2016 21:36
Benzo (k) fluoranthene	ND	0.25	1	09/16/2016 21:36
Benzyl Alcohol	ND	1.3	1	09/16/2016 21:36
1,1-Biphenyl	ND	0.25	1	09/16/2016 21:36
Bis (2-chloroethoxy) Methane	ND	0.25	1	09/16/2016 21:36
Bis (2-chloroethyl) Ether	ND	0.25	1	09/16/2016 21:36
Bis (2-chloroisopropyl) Ether	ND	0.25	1	09/16/2016 21:36
Bis (2-ethylhexyl) Adipate	ND	0.25	1	09/16/2016 21:36
Bis (2-ethylhexyl) Phthalate	ND	0.25	1	09/16/2016 21:36
4-Bromophenyl Phenyl Ether	ND	0.25	1	09/16/2016 21:36
Butylbenzyl Phthalate	ND	0.25	1	09/16/2016 21:36
4-Chloroaniline	ND	0.50	1	09/16/2016 21:36
4-Chloro-3-methylphenol	ND	0.25	1	09/16/2016 21:36
2-Chloronaphthalene	ND	0.25	1	09/16/2016 21:36
2-Chlorophenol	ND	0.25	1	09/16/2016 21:36
4-Chlorophenyl Phenyl Ether	ND	0.25	1	09/16/2016 21:36
Chrysene	ND	0.25	1	09/16/2016 21:36
Dibenzo (a,h) anthracene	ND	0.25	1	09/16/2016 21:36
Dibenzofuran	ND	0.25	1	09/16/2016 21:36
Di-n-butyl Phthalate	ND	0.25	1	09/16/2016 21:36
1,2-Dichlorobenzene	ND	0.25	1	09/16/2016 21:36
1,3-Dichlorobenzene	ND	0.25	1	09/16/2016 21:36
1,4-Dichlorobenzene	ND	0.25	1	09/16/2016 21:36
3,3-Dichlorobenzidine	ND	0.50	1	09/16/2016 21:36
2,4-Dichlorophenol	ND	0.25	1	09/16/2016 21:36
Diethyl Phthalate	ND	0.25	1	09/16/2016 21:36
2,4-Dimethylphenol	ND	0.25	1	09/16/2016 21:36
Dimethyl Phthalate	ND	0.25	1	09/16/2016 21:36
4,6-Dinitro-2-methylphenol	ND	1.3	1	09/16/2016 21:36

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Analytical Report

Client:	ERAS Environmental, Inc.	**WorkOrder:**	1609666
Date Received:	9/15/16 14:13	**Extraction Method:**	SW3550B
Date Prepared:	9/16/16	**Analytical Method:**	SW8270C
Project:	14-002; 3037 Adeline St, Oakland	**Unit:**	mg/Kg

Semi-Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-15	1609666-009A	Soil	09/15/2016 13:34	GC21	126674

Analytes	Result	RL	DF	Date Analyzed
2,4-Dinitrophenol	ND	6.3	1	09/16/2016 21:36
2,4-Dinitrotoluene	ND	0.25	1	09/16/2016 21:36
2,6-Dinitrotoluene	ND	0.25	1	09/16/2016 21:36
Di-n-octyl Phthalate	ND	0.50	1	09/16/2016 21:36
1,2-Diphenylhydrazine	ND	0.25	1	09/16/2016 21:36
Fluoranthene	ND	0.25	1	09/16/2016 21:36
Fluorene	ND	0.25	1	09/16/2016 21:36
Hexachlorobenzene	ND	0.25	1	09/16/2016 21:36
Hexachlorobutadiene	ND	0.25	1	09/16/2016 21:36
Hexachlorocyclopentadiene	ND	1.3	1	09/16/2016 21:36
Hexachloroethane	ND	0.25	1	09/16/2016 21:36
Indeno (1,2,3-cd) pyrene	ND	0.25	1	09/16/2016 21:36
Isophorone	ND	0.25	1	09/16/2016 21:36
2-Methylnaphthalene	ND	0.25	1	09/16/2016 21:36
2-Methylphenol (o-Cresol)	ND	0.25	1	09/16/2016 21:36
3 & 4-Methylphenol (m,p-Cresol)	ND	0.25	1	09/16/2016 21:36
Naphthalene	ND	0.25	1	09/16/2016 21:36
2-Nitroaniline	ND	1.3	1	09/16/2016 21:36
3-Nitroaniline	ND	1.3	1	09/16/2016 21:36
4-Nitroaniline	ND	1.3	1	09/16/2016 21:36
Nitrobenzene	ND	0.25	1	09/16/2016 21:36
2-Nitrophenol	ND	1.3	1	09/16/2016 21:36
4-Nitrophenol	ND	1.3	1	09/16/2016 21:36
N-Nitrosodiphenylamine	ND	0.25	1	09/16/2016 21:36
N-Nitrosodi-n-propylamine	ND	0.25	1	09/16/2016 21:36
Pentachlorophenol	ND	1.3	1	09/16/2016 21:36
Phenanthrene	ND	0.25	1	09/16/2016 21:36
Phenol	ND	0.25	1	09/16/2016 21:36
Pyrene	ND	0.25	1	09/16/2016 21:36
1,2,4-Trichlorobenzene	ND	0.25	1	09/16/2016 21:36
2,4,5-Trichlorophenol	ND	0.25	1	09/16/2016 21:36
2,4,6-Trichlorophenol	ND	0.25	1	09/16/2016 21:36

(Cont.)

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Analytical Report

Client:	ERAS Environmental, Inc.	**WorkOrder:**	1609666
Date Received:	9/15/16 14:13	**Extraction Method:**	SW3550B
Date Prepared:	9/16/16	**Analytical Method:**	SW8270C
Project:	14-002; 3037 Adeline St, Oakland	**Unit:**	mg/Kg

Semi-Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-15	**1609666-009A**	**Soil**	**09/15/2016 13:34**	**GC21**	**126674**

Analytes	Result	RL	DF	Date Analyzed
Surrogates	REC (%)	Limits		
2-Fluorophenol	63	30-130		09/16/2016 21:36
Phenol-d5	62	30-130		09/16/2016 21:36
Nitrobenzene-d5	62	30-130		09/16/2016 21:36
2-Fluorobiphenyl	66	30-130		09/16/2016 21:36
2,4,6-Tribromophenol	32	16-130		09/16/2016 21:36
4-Terphenyl-d14	68	30-130		09/16/2016 21:36

Analyst(s): REB

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Analytical Report

Client:	ERAS Environmental, Inc.	**WorkOrder:**	1609666
Date Received:	9/15/16 14:13	**Extraction Method:**	SW5030B
Date Prepared:	9/15/16	**Analytical Method:**	SW8021B/8015Bm
Project:	14-002; 3037 Adeline St, Oakland	**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
E-7	**1609666-001A**	**Soil**	**09/15/2016 12:58**	**GC12**	**126654**

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	ND	1.0	1	09/17/2016 19:15
MTBE	---	0.050	1	09/17/2016 19:15
Benzene	---	0.0050	1	09/17/2016 19:15
Toluene	---	0.0050	1	09/17/2016 19:15
Ethylbenzene	---	0.0050	1	09/17/2016 19:15
Xylenes	---	0.015	1	09/17/2016 19:15

Surrogates	REC (%)	Limits	
2-Fluorotoluene	91	70-130	09/17/2016 19:15

Analyst(s): IA

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-8	**1609666-002A**	**Soil**	**09/15/2016 13:06**	**GC3**	**126654**

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	**440**	200	200	09/19/2016 16:09
MTBE	---	10	200	09/19/2016 16:09
Benzene	---	1.0	200	09/19/2016 16:09
Toluene	---	1.0	200	09/19/2016 16:09
Ethylbenzene	---	1.0	200	09/19/2016 16:09
Xylenes	---	3.0	200	09/19/2016 16:09

Surrogates	REC (%)	Limits	
2-Fluorotoluene	96	69-117	09/19/2016 16:09

Analyst(s): IA Analytical Comments: d7

(Cont.)

NELAP 4033ORELAP

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Analytical Report

Client:	ERAS Environmental, Inc.	**WorkOrder:**	1609666
Date Received:	9/15/16 14:13	**Extraction Method:**	SW5030B
Date Prepared:	9/15/16	**Analytical Method:**	SW8021B/8015Bm
Project:	14-002; 3037 Adeline St, Oakland	**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
E-9	**1609666-003A**	**Soil**	**09/15/2016 13:09**	**GC19**	**126654**

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	**160**	20	20	09/21/2016 03:02
MTBE	**---**	1.0	20	09/21/2016 03:02
Benzene	**---**	0.10	20	09/21/2016 03:02
Toluene	**---**	0.10	20	09/21/2016 03:02
Ethylbenzene	**---**	0.10	20	09/21/2016 03:02
Xylenes	**---**	0.30	20	09/21/2016 03:02

Surrogates	REC (%)	Limits	
2-Fluorotoluene	88	69-117	09/21/2016 03:02

Analyst(s): IA Analytical Comments: d7

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-10	**1609666-004A**	**Soil**	**09/15/2016 13:12**	**GC19**	**126654**

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	**37**	20	20	09/21/2016 10:09
MTBE	**---**	1.0	20	09/21/2016 10:09
Benzene	**---**	0.10	20	09/21/2016 10:09
Toluene	**---**	0.10	20	09/21/2016 10:09
Ethylbenzene	**---**	0.10	20	09/21/2016 10:09
Xylenes	**---**	0.30	20	09/21/2016 10:09

Surrogates	REC (%)	Limits	
2-Fluorotoluene	106	69-117	09/21/2016 10:09

Analyst(s): IA Analytical Comments: d7

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Analytical Report

Client:	ERAS Environmental, Inc.	**WorkOrder:**	1609666
Date Received:	9/15/16 14:13	**Extraction Method:**	SW5030B
Date Prepared:	9/15/16	**Analytical Method:**	SW8021B/8015Bm
Project:	14-002; 3037 Adeline St, Oakland	**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
E-11	**1609666-005A**	**Soil**	**09/15/2016 13:17**	**GC19**	**126654**

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	**54**	20	20	09/21/2016 10:39
MTBE	**---**	1.0	20	09/21/2016 10:39
Benzene	**---**	0.10	20	09/21/2016 10:39
Toluene	**---**	0.10	20	09/21/2016 10:39
Ethylbenzene	**---**	0.10	20	09/21/2016 10:39
Xylenes	**---**	0.30	20	09/21/2016 10:39

Surrogates	REC (%)	Limits	
2-Fluorotoluene	83	69-117	09/21/2016 10:39

Analyst(s): IA Analytical Comments: d7

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-12	**1609666-006A**	**Soil**	**09/15/2016 13:21**	**GC19**	**126654**

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	**14**	1.0	1	09/21/2016 12:52
MTBE	**---**	0.050	1	09/21/2016 12:52
Benzene	**---**	0.0050	1	09/21/2016 12:52
Toluene	**---**	0.0050	1	09/21/2016 12:52
Ethylbenzene	**---**	0.0050	1	09/21/2016 12:52
Xylenes	**---**	0.015	1	09/21/2016 12:52

Surrogates	REC (%)	Limits	
2-Fluorotoluene	85	69-117	09/21/2016 12:52

Analyst(s): IA Analytical Comments: d7

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Analytical Report

Client:	ERAS Environmental, Inc.	**WorkOrder:**	1609666
Date Received:	9/15/16 14:13	**Extraction Method:**	SW5030B
Date Prepared:	9/15/16	**Analytical Method:**	SW8021B/8015Bm
Project:	14-002; 3037 Adeline St, Oakland	**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
E-13	**1609666-007A**	**Soil**	**09/15/2016 13:26**	**GC12**	**126654**

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	**4.2**	1.0	1	09/17/2016 19:46
MTBE	---	0.050	1	09/17/2016 19:46
Benzene	---	0.0050	1	09/17/2016 19:46
Toluene	---	0.0050	1	09/17/2016 19:46
Ethylbenzene	---	0.0050	1	09/17/2016 19:46
Xylenes	---	0.015	1	09/17/2016 19:46

Surrogates	REC (%)	Limits	
2-Fluorotoluene	73	70-130	09/17/2016 19:46

Analyst(s): IA Analytical Comments: d7

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-14	**1609666-008A**	**Soil**	**09/15/2016 13:29**	**GC19**	**126666**

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	ND	1.0	1	09/17/2016 08:30
MTBE	---	0.050	1	09/17/2016 08:30
Benzene	---	0.0050	1	09/17/2016 08:30
Toluene	---	0.0050	1	09/17/2016 08:30
Ethylbenzene	---	0.0050	1	09/17/2016 08:30
Xylenes	---	0.015	1	09/17/2016 08:30

Surrogates	REC (%)	Limits	
2-Fluorotoluene	99	70-130	09/17/2016 08:30

Analyst(s): IA

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Analytical Report

Client:	ERAS Environmental, Inc.	**WorkOrder:**	1609666
Date Received:	9/15/16 14:13	**Extraction Method:**	SW5030B
Date Prepared:	9/15/16	**Analytical Method:**	SW8021B/8015Bm
Project:	14-002; 3037 Adeline St, Oakland	**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
E-15	**1609666-009A**	**Soil**	**09/15/2016 13:34**	**GC7**	**126666**

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	ND	1.0	1	09/21/2016 07:21
MTBE	---	0.050	1	09/21/2016 07:21
Benzene	---	0.0050	1	09/21/2016 07:21
Toluene	---	0.0050	1	09/21/2016 07:21
Ethylbenzene	---	0.0050	1	09/21/2016 07:21
Xylenes	---	0.015	1	09/21/2016 07:21

Surrogates	REC (%)	Limits	
2-Fluorotoluene	82	69-117	09/21/2016 07:21

Analyst(s): IA

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Analytical Report

Client:	ERAS Environmental, Inc.	**WorkOrder:**	1609666
Date Received:	9/15/16 14:13	**Extraction Method:**	SW3050B
Date Prepared:	9/15/16	**Analytical Method:**	SW6020
Project:	14-002; 3037 Adeline St, Oakland	**Unit:**	mg/kg

Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-7	**1609666-001A**	**Soil**	**09/15/2016 12:58**	**ICP-MS3**	**126655**

Analytes	Result	RL	DF	Date Analyzed
Copper	**32**	0.50	1	09/17/2016 00:19
Lead	**9.4**	0.50	1	09/17/2016 00:19
Tin	ND	5.0	1	09/17/2016 00:19

Surrogates	REC (%)	Limits	
Terbium	102	70-130	09/17/2016 00:19

Analyst(s): DB

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-8	**1609666-002A**	**Soil**	**09/15/2016 13:06**	**ICP-MS2**	**126655**

Analytes	Result	RL	DF	Date Analyzed
Copper	**47**	0.50	1	09/19/2016 16:49
Lead	**18**	0.50	1	09/19/2016 16:49
Tin	ND	5.0	1	09/19/2016 16:49

Surrogates	REC (%)	Limits	
Terbium	103	70-130	09/19/2016 16:49

Analyst(s): MIG

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-9	**1609666-003A**	**Soil**	**09/15/2016 13:09**	**ICP-MS1**	**126655**

Analytes	Result	RL	DF	Date Analyzed
Copper	**480**	5.0	10	09/19/2016 13:51
Lead	**62**	0.50	1	09/17/2016 00:25
Tin	**8.6**	5.0	1	09/17/2016 00:25

Surrogates	REC (%)	Limits	
Terbium	102	70-130	09/17/2016 00:25

Analyst(s): DB, MIG

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Analytical Report

Client:	ERAS Environmental, Inc.	**WorkOrder:**	1609666
Date Received:	9/15/16 14:13	**Extraction Method:**	SW3050B
Date Prepared:	9/15/16	**Analytical Method:**	SW6020
Project:	14-002; 3037 Adeline St, Oakland	**Unit:**	mg/kg

Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-10	1609666-004A	Soil	09/15/2016 13:12	ICP-MS2	126655

Analytes	Result	RL	DF	Date Analyzed
Copper	**75**	0.50	1	09/17/2016 00:18
Lead	**21**	0.50	1	09/17/2016 00:18
Tin	ND	5.0	1	09/17/2016 00:18

Surrogates	REC (%)	Limits	
Terbium	113	70-130	09/17/2016 00:18

Analyst(s): DVH

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-11	1609666-005A	Soil	09/15/2016 13:17	ICP-MS1	126655

Analytes	Result	RL	DF	Date Analyzed
Copper	**5200**	10	20	09/19/2016 14:52
Lead	**430**	0.50	1	09/17/2016 00:24
Tin	**120**	5.0	1	09/17/2016 00:24

Surrogates	REC (%)	Limits	
Terbium	107	70-130	09/17/2016 00:24

Analyst(s): DVH, MIG

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-12	1609666-006A	Soil	09/15/2016 13:21	ICP-MS1	126655

Analytes	Result	RL	DF	Date Analyzed
Copper	**16**	0.50	1	09/19/2016 14:58
Lead	**6.8**	0.50	1	09/17/2016 00:30
Tin	ND	5.0	1	09/17/2016 00:30

Surrogates	REC (%)	Limits	
Terbium	110	70-130	09/17/2016 00:30

Analyst(s): DVH, MIG

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Analytical Report

Client:	ERAS Environmental, Inc.	**WorkOrder:**	1609666
Date Received:	9/15/16 14:13	**Extraction Method:**	SW3050B
Date Prepared:	9/15/16	**Analytical Method:**	SW6020
Project:	14-002; 3037 Adeline St, Oakland	**Unit:**	mg/kg

Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-13	1609666-007A	Soil	09/15/2016 13:26	ICP-MS3	126655

Analytes	Result	RL	DF	Date Analyzed
Copper	**52**	0.50	1	09/17/2016 00:31
Lead	**8.6**	0.50	1	09/17/2016 00:31
Tin	ND	5.0	1	09/17/2016 00:31

Surrogates	REC (%)	Limits	
Terbium	104	70-130	09/17/2016 00:31

Analyst(s): DB

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-14	1609666-008A	Soil	09/15/2016 13:29	ICP-MS3	126655

Analytes	Result	RL	DF	Date Analyzed
Copper	**30**	0.50	1	09/17/2016 00:37
Lead	**8.5**	0.50	1	09/17/2016 00:37
Tin	ND	5.0	1	09/17/2016 00:37

Surrogates	REC (%)	Limits	
Terbium	103	70-130	09/17/2016 00:37

Analyst(s): DB

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-15	1609666-009A	Soil	09/15/2016 13:34	ICP-MS3	126655

Analytes	Result	RL	DF	Date Analyzed
Copper	**21**	0.50	1	09/17/2016 00:43
Lead	**8.9**	0.50	1	09/17/2016 00:43
Tin	ND	5.0	1	09/17/2016 00:43

Surrogates	REC (%)	Limits	
Terbium	104	70-130	09/17/2016 00:43

Analyst(s): DB

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Analytical Report

Client:	ERAS Environmental, Inc.	**WorkOrder:**	1609666
Date Received:	9/15/16 14:13	**Extraction Method:**	SW3550B
Date Prepared:	9/15/16	**Analytical Method:**	SW8015B
Project:	14-002; 3037 Adeline St, Oakland	**Unit:**	mg/Kg

Total Extractable Petroleum Hydrocarbons w/out SG Clean-Up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-7	**1609666-001A**	**Soil**	**09/15/2016 12:58**	**GC11A**	**126661**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**9.8**	1.0	1	09/17/2016 10:32
TPH-Motor Oil (C18-C36)	**38**	5.0	1	09/17/2016 10:32

Surrogates	REC (%)	Limits	
C9	86	70-130	09/17/2016 10:32

Analyst(s): TK Analytical Comments: e7,e2

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-8	**1609666-002A**	**Soil**	**09/15/2016 13:06**	**GC11A**	**126661**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**1800**	5.0	5	09/17/2016 15:05
TPH-Motor Oil (C18-C36)	**800**	25	5	09/17/2016 15:05

Surrogates	REC (%)	Limits	
C9	87	70-130	09/17/2016 15:05

Analyst(s): TK Analytical Comments: e2,e7

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-9	**1609666-003A**	**Soil**	**09/15/2016 13:09**	**GC11A**	**126661**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**2400**	100	100	09/19/2016 20:34
TPH-Motor Oil (C18-C36)	**1200**	500	100	09/19/2016 20:34

Surrogates	REC (%)	Limits	
C9	109	70-130	09/19/2016 20:34

Analyst(s): TK Analytical Comments: e2,e7

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Analytical Report

Client:	ERAS Environmental, Inc.	**WorkOrder:**	1609666
Date Received:	9/15/16 14:13	**Extraction Method:**	SW3550B
Date Prepared:	9/15/16	**Analytical Method:**	SW8015B
Project:	14-002; 3037 Adeline St, Oakland	**Unit:**	mg/Kg

Total Extractable Petroleum Hydrocarbons w/out SG Clean-Up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-10	**1609666-004A**	**Soil**	**09/15/2016 13:12**	**GC11A**	**126661**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**180**	1.0	1	09/19/2016 15:07
TPH-Motor Oil (C18-C36)	**82**	5.0	1	09/19/2016 15:07

Surrogates	REC (%)	Limits	
C9	89	70-130	09/19/2016 15:07

Analyst(s): TK Analytical Comments: e2,e7

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-11	**1609666-005A**	**Soil**	**09/15/2016 13:17**	**GC11B**	**126661**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**1800**	50	50	09/17/2016 10:32
TPH-Motor Oil (C18-C36)	**900**	250	50	09/17/2016 10:32

Surrogates	REC (%)	Limits	
C9	92	70-130	09/17/2016 10:32

Analyst(s): TK Analytical Comments: e2,e7

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-12	**1609666-006A**	**Soil**	**09/15/2016 13:21**	**GC11A**	**126661**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**140**	1.0	1	09/19/2016 17:53
TPH-Motor Oil (C18-C36)	**74**	5.0	1	09/19/2016 17:53

Surrogates	REC (%)	Limits	
C9	90	70-130	09/19/2016 17:53

Analyst(s): TK Analytical Comments: e2,e7

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Analytical Report

Client:	ERAS Environmental, Inc.	**WorkOrder:**	1609666
Date Received:	9/15/16 14:13	**Extraction Method:**	SW3550B
Date Prepared:	9/15/16	**Analytical Method:**	SW8015B
Project:	14-002; 3037 Adeline St, Oakland	**Unit:**	mg/Kg

Total Extractable Petroleum Hydrocarbons w/out SG Clean-Up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-13	**1609666-007A**	**Soil**	**09/15/2016 13:26**	**GC11A**	**126661**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**7.2**	1.0	1	09/19/2016 14:26
TPH-Motor Oil (C18-C36)	**5.4**	5.0	1	09/19/2016 14:26

Surrogates	REC (%)	Limits	
C9	88	70-130	09/19/2016 14:26

Analyst(s): TK Analytical Comments: e2,e7

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-14	**1609666-008A**	**Soil**	**09/15/2016 13:29**	**GC11A**	**126661**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**9.9**	1.0	1	09/19/2016 13:03
TPH-Motor Oil (C18-C36)	**7.5**	5.0	1	09/19/2016 13:03

Surrogates	REC (%)	Limits	
C9	87	70-130	09/19/2016 13:03

Analyst(s): TK Analytical Comments: e2,e7

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-15	**1609666-009A**	**Soil**	**09/15/2016 13:34**	**GC11A**	**126661**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	ND	1.0	1	09/19/2016 12:21
TPH-Motor Oil (C18-C36)	ND	5.0	1	09/19/2016 12:21

Surrogates	REC (%)	Limits	
C9	86	70-130	09/19/2016 12:21

Analyst(s): TK

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Quality Control Report

Client:	ERAS Environmental, Inc.	**WorkOrder:**	1609666
Date Prepared:	9/15/16	**BatchID:**	126628
Date Analyzed:	9/15/16	**Extraction Method:**	SW5030B
Instrument:	GC10, GC18	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/kg
Project:	14-002; 3037 Adeline St, Oakland	**Sample ID:**	MB/LCS-126628 1609652-001AMS/MSD

QC Summary Report for SW8260B

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Acetone	ND	-	0.10	-	-	-	-
tert-Amyl methyl ether (TAME)	ND	0.0456	0.0050	0.050	-	91	53-116
Benzene	ND	0.0489	0.0050	0.050	-	98	63-137
Bromobenzene	ND	-	0.0050	-	-	-	-
Bromochloromethane	ND	-	0.0050	-	-	-	-
Bromodichloromethane	ND	-	0.0050	-	-	-	-
Bromoform	ND	-	0.0050	-	-	-	-
Bromomethane	ND	-	0.0050	-	-	-	-
2-Butanone (MEK)	ND	-	0.020	-	-	-	-
t-Butyl alcohol (TBA)	ND	0.187	0.050	0.20	-	94	41-135
n-Butyl benzene	ND	-	0.0050	-	-	-	-
sec-Butyl benzene	ND	-	0.0050	-	-	-	-
tert-Butyl benzene	ND	-	0.0050	-	-	-	-
Carbon Disulfide	ND	-	0.0050	-	-	-	-
Carbon Tetrachloride	ND	-	0.0050	-	-	-	-
Chlorobenzene	ND	0.0501	0.0050	0.050	-	100	77-121
Chloroethane	ND	-	0.0050	-	-	-	-
Chloroform	ND	-	0.0050	-	-	-	-
Chloromethane	ND	-	0.0050	-	-	-	-
2-Chlorotoluene	ND	-	0.0050	-	-	-	-
4-Chlorotoluene	ND	-	0.0050	-	-	-	-
Dibromochloromethane	ND	-	0.0050	-	-	-	-
1,2-Dibromo-3-chloropropane	ND	-	0.0040	-	-	-	-
1,2-Dibromoethane (EDB)	ND	0.0489	0.0040	0.050	-	98	67-119
Dibromomethane	ND	-	0.0050	-	-	-	-
1,2-Dichlorobenzene	ND	-	0.0050	-	-	-	-
1,3-Dichlorobenzene	ND	-	0.0050	-	-	-	-
1,4-Dichlorobenzene	ND	-	0.0050	-	-	-	-
Dichlorodifluoromethane	ND	-	0.0050	-	-	-	-
1,1-Dichloroethane	ND	-	0.0050	-	-	-	-
1,2-Dichloroethane (1,2-DCA)	ND	0.0463	0.0040	0.050	-	93	58-135
1,1-Dichloroethene	ND	0.0464	0.0050	0.050	-	93	42-145
cis-1,2-Dichloroethene	ND	-	0.0050	-	-	-	-
trans-1,2-Dichloroethene	ND	-	0.0050	-	-	-	-
1,2-Dichloropropane	ND	-	0.0050	-	-	-	-
1,3-Dichloropropane	ND	-	0.0050	-	-	-	-
2,2-Dichloropropane	ND	-	0.0050	-	-	-	-

(Cont.)

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Quality Control Report

Client:	ERAS Environmental, Inc.	**WorkOrder:**	1609666
Date Prepared:	9/15/16	**BatchID:**	126628
Date Analyzed:	9/15/16	**Extraction Method:**	SW5030B
Instrument:	GC10, GC18	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/kg
Project:	14-002; 3037 Adeline St, Oakland	**Sample ID:**	MB/LCS-126628 1609652-001AMS/MSD

QC Summary Report for SW8260B

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
1,1-Dichloropropene	ND	-	0.0050	-	-	-	-
cis-1,3-Dichloropropene	ND	-	0.0050	-	-	-	-
trans-1,3-Dichloropropene	ND	-	0.0050	-	-	-	-
Diisopropyl ether (DIPE)	ND	0.0459	0.0050	0.050	-	92	52-129
Ethylbenzene	ND	-	0.0050	-	-	-	-
Ethyl tert-butyl ether (ETBE)	ND	0.0470	0.0050	0.050	-	94	53-125
Freon 113	ND	-	0.0050	-	-	-	-
Hexachlorobutadiene	ND	-	0.0050	-	-	-	-
Hexachloroethane	ND	-	0.0050	-	-	-	-
2-Hexanone	ND	-	0.0050	-	-	-	-
Isopropylbenzene	ND	-	0.0050	-	-	-	-
4-Isopropyl toluene	ND	-	0.0050	-	-	-	-
Methyl-t-butyl ether (MTBE)	ND	0.0464	0.0050	0.050	-	93	58-122
Methylene chloride	ND	-	0.0050	-	-	-	-
4-Methyl-2-pentanone (MIBK)	ND	-	0.0050	-	-	-	-
Naphthalene	ND	-	0.0050	-	-	-	-
n-Propyl benzene	ND	-	0.0050	-	-	-	-
Styrene	ND	-	0.0050	-	-	-	-
1,1,1,2-Tetrachloroethane	ND	-	0.0050	-	-	-	-
1,1,2,2-Tetrachloroethane	ND	-	0.0050	-	-	-	-
Tetrachloroethene	ND	-	0.0050	-	-	-	-
Toluene	ND	0.0539	0.0050	0.050	-	108	76-130
1,2,3-Trichlorobenzene	ND	-	0.0050	-	-	-	-
1,2,4-Trichlorobenzene	ND	-	0.0050	-	-	-	-
1,1,1-Trichloroethane	ND	-	0.0050	-	-	-	-
1,1,2-Trichloroethane	ND	-	0.0050	-	-	-	-
Trichloroethene	ND	0.0508	0.0050	0.050	-	102	72-132
Trichlorofluoromethane	ND	-	0.0050	-	-	-	-
1,2,3-Trichloropropane	ND	-	0.0050	-	-	-	-
1,2,4-Trimethylbenzene	ND	-	0.0050	-	-	-	-
1,3,5-Trimethylbenzene	ND	-	0.0050	-	-	-	-
Vinyl Chloride	ND	-	0.0050	-	-	-	-
Xylenes, Total	ND	-	0.0050	-	-	-	-

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Quality Control Report

Client:	ERAS Environmental, Inc.	**WorkOrder:**	1609666
Date Prepared:	9/15/16	**BatchID:**	126628
Date Analyzed:	9/15/16	**Extraction Method:**	SW5030B
Instrument:	GC10, GC18	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/kg
Project:	14-002; 3037 Adeline St, Oakland	**Sample ID:**	MB/LCS-126628 1609652-001AMS/MSD

QC Summary Report for SW8260B

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Surrogate Recovery							
Dibromofluoromethane	0.110	0.125		0.12	88	100	70-130
Toluene-d8	0.130	0.132		0.12	104	106	70-130
4-BFB	0.0131	0.0130		0.012	105	104	70-130
Benzene-d6	0.0851	0.0973		0.10	85	97	60-140
Ethylbenzene-d10	0.102	0.123		0.10	102	123	60-140
1,2-DCB-d4	0.0761	0.0916		0.10	76	92	60-140

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
tert-Amyl methyl ether (TAME)	NR	NR		ND<0.1	NR	NR	-	NR	
Benzene	NR	NR		ND<0.1	NR	NR	-	NR	
t-Butyl alcohol (TBA)	NR	NR		ND<1	NR	NR	-	NR	
Chlorobenzene	NR	NR		ND<0.1	NR	NR	-	NR	
1,2-Dibromoethane (EDB)	NR	NR		ND<0.08	NR	NR	-	NR	
1,2-Dichloroethane (1,2-DCA)	NR	NR		ND<0.08	NR	NR	-	NR	
1,1-Dichloroethene	NR	NR		ND<0.1	NR	NR	-	NR	
Diisopropyl ether (DIPE)	NR	NR		ND<0.1	NR	NR	-	NR	
Ethyl tert-butyl ether (ETBE)	NR	NR		ND<0.1	NR	NR	-	NR	
Methyl-t-butyl ether (MTBE)	NR	NR		ND<0.1	NR	NR	-	NR	
Toluene	NR	NR		ND<0.1	NR	NR	-	NR	
Trichloroethene	NR	NR		ND<0.1	NR	NR	-	NR	
Surrogate Recovery									
Dibromofluoromethane	NR	NR			NR	NR	-	NR	
Toluene-d8	NR	NR			NR	NR	-	NR	
4-BFB	NR	NR			NR	NR	-	NR	
Benzene-d6	NR	NR			NR	NR	-	NR	
Ethylbenzene-d10	NR	NR			NR	NR	-	NR	
1,2-DCB-d4	NR	NR			NR	NR	-	NR	

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Quality Control Report

Client:	ERAS Environmental, Inc.	**WorkOrder:**	1609666
Date Prepared:	9/15/16	**BatchID:**	126665
Date Analyzed:	9/17/16	**Extraction Method:**	SW5030B
Instrument:	GC10	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/kg
Project:	14-002; 3037 Adeline St, Oakland	**Sample ID:**	MB/LCS-126665 1609666-009AMS/MSD

QC Summary Report for SW8260B

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Acetone	ND	-	0.10	-	-	-	-
tert-Amyl methyl ether (TAME)	ND	0.0508	0.0050	0.050	-	102	53-116
Benzene	ND	0.0506	0.0050	0.050	-	101	63-137
Bromobenzene	ND	-	0.0050	-	-	-	-
Bromochloromethane	ND	-	0.0050	-	-	-	-
Bromodichloromethane	ND	-	0.0050	-	-	-	-
Bromoform	ND	-	0.0050	-	-	-	-
Bromomethane	ND	-	0.0050	-	-	-	-
2-Butanone (MEK)	ND	-	0.020	-	-	-	-
t-Butyl alcohol (TBA)	ND	0.226	0.050	0.20	-	113	41-135
n-Butyl benzene	ND	-	0.0050	-	-	-	-
sec-Butyl benzene	ND	-	0.0050	-	-	-	-
tert-Butyl benzene	ND	-	0.0050	-	-	-	-
Carbon Disulfide	ND	-	0.0050	-	-	-	-
Carbon Tetrachloride	ND	-	0.0050	-	-	-	-
Chlorobenzene	ND	0.0496	0.0050	0.050	-	99	77-121
Chloroethane	ND	-	0.0050	-	-	-	-
Chloroform	ND	-	0.0050	-	-	-	-
Chloromethane	ND	-	0.0050	-	-	-	-
2-Chlorotoluene	ND	-	0.0050	-	-	-	-
4-Chlorotoluene	ND	-	0.0050	-	-	-	-
Dibromochloromethane	ND	-	0.0050	-	-	-	-
1,2-Dibromo-3-chloropropane	ND	-	0.0040	-	-	-	-
1,2-Dibromoethane (EDB)	ND	0.0518	0.0040	0.050	-	104	67-119
Dibromomethane	ND	-	0.0050	-	-	-	-
1,2-Dichlorobenzene	ND	-	0.0050	-	-	-	-
1,3-Dichlorobenzene	ND	-	0.0050	-	-	-	-
1,4-Dichlorobenzene	ND	-	0.0050	-	-	-	-
Dichlorodifluoromethane	ND	-	0.0050	-	-	-	-
1,1-Dichloroethane	ND	-	0.0050	-	-	-	-
1,2-Dichloroethane (1,2-DCA)	ND	0.0524	0.0040	0.050	-	105	58-135
1,1-Dichloroethene	ND	0.0479	0.0050	0.050	-	96	42-145
cis-1,2-Dichloroethene	ND	-	0.0050	-	-	-	-
trans-1,2-Dichloroethene	ND	-	0.0050	-	-	-	-
1,2-Dichloropropane	ND	-	0.0050	-	-	-	-
1,3-Dichloropropane	ND	-	0.0050	-	-	-	-
2,2-Dichloropropane	ND	-	0.0050	-	-	-	-

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Quality Control Report

Client:	ERAS Environmental, Inc.	**WorkOrder:**	1609666
Date Prepared:	9/15/16	**BatchID:**	126665
Date Analyzed:	9/17/16	**Extraction Method:**	SW5030B
Instrument:	GC10	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/kg
Project:	14-002; 3037 Adeline St, Oakland	**Sample ID:**	MB/LCS-126665 1609666-009AMS/MSD

QC Summary Report for SW8260B

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
1,1-Dichloropropene	ND	-	0.0050	-	-	-	-
cis-1,3-Dichloropropene	ND	-	0.0050	-	-	-	-
trans-1,3-Dichloropropene	ND	-	0.0050	-	-	-	-
Diisopropyl ether (DIPE)	ND	0.0515	0.0050	0.050	-	103	52-129
Ethylbenzene	ND	-	0.0050	-	-	-	-
Ethyl tert-butyl ether (ETBE)	ND	0.0522	0.0050	0.050	-	104	53-125
Freon 113	ND	-	0.0050	-	-	-	-
Hexachlorobutadiene	ND	-	0.0050	-	-	-	-
Hexachloroethane	ND	-	0.0050	-	-	-	-
2-Hexanone	ND	-	0.0050	-	-	-	-
Isopropylbenzene	ND	-	0.0050	-	-	-	-
4-Isopropyl toluene	ND	-	0.0050	-	-	-	-
Methyl-t-butyl ether (MTBE)	ND	0.0519	0.0050	0.050	-	104	58-122
Methylene chloride	ND	-	0.0050	-	-	-	-
4-Methyl-2-pentanone (MIBK)	ND	-	0.0050	-	-	-	-
Naphthalene	ND	-	0.0050	-	-	-	-
n-Propyl benzene	ND	-	0.0050	-	-	-	-
Styrene	ND	-	0.0050	-	-	-	-
1,1,1,2-Tetrachloroethane	ND	-	0.0050	-	-	-	-
1,1,2,2-Tetrachloroethane	ND	-	0.0050	-	-	-	-
Tetrachloroethene	ND	-	0.0050	-	-	-	-
Toluene	ND	0.0538	0.0050	0.050	-	108	76-130
1,2,3-Trichlorobenzene	ND	-	0.0050	-	-	-	-
1,2,4-Trichlorobenzene	ND	-	0.0050	-	-	-	-
1,1,1-Trichloroethane	ND	-	0.0050	-	-	-	-
1,1,2-Trichloroethane	ND	-	0.0050	-	-	-	-
Trichloroethene	ND	0.0483	0.0050	0.050	-	97	72-132
Trichlorofluoromethane	ND	-	0.0050	-	-	-	-
1,2,3-Trichloropropane	ND	-	0.0050	-	-	-	-
1,2,4-Trimethylbenzene	ND	-	0.0050	-	-	-	-
1,3,5-Trimethylbenzene	ND	-	0.0050	-	-	-	-
Vinyl Chloride	ND	-	0.0050	-	-	-	-
Xylenes, Total	ND	-	0.0050	-	-	-	-

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Quality Control Report

Client:	ERAS Environmental, Inc.	**WorkOrder:**	1609666
Date Prepared:	9/15/16	**BatchID:**	126665
Date Analyzed:	9/17/16	**Extraction Method:**	SW5030B
Instrument:	GC10	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/kg
Project:	14-002; 3037 Adeline St, Oakland	**Sample ID:**	MB/LCS-126665 1609666-009AMS/MSD

QC Summary Report for SW8260B

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Surrogate Recovery							
Dibromofluoromethane	0.126	0.128		0.12	101	102	70-130
Toluene-d8	0.135	0.135		0.12	108	108	70-130
4-BFB	0.0140	0.0145		0.012	112	116	70-130
Benzene-d6	0.101	0.101		0.10	101	101	60-140
Ethylbenzene-d10	0.122	0.121		0.10	122	121	60-140
1,2-DCB-d4	0.0896	0.0883		0.10	90	88	60-140

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
tert-Amyl methyl ether (TAME)	0.0461	0.0477	0.050	ND	92	95	53-116	3.33	20
Benzene	0.0448	0.0464	0.050	ND	89	93	63-137	3.73	20
t-Butyl alcohol (TBA)	0.200	0.207	0.20	ND	100	104	41-135	3.51	20
Chlorobenzene	0.0448	0.0464	0.050	ND	90	93	77-121	3.60	20
1,2-Dibromoethane (EDB)	0.0473	0.0483	0.050	ND	95	97	67-119	2.04	20
1,2-Dichloroethane (1,2-DCA)	0.0458	0.0472	0.050	ND	92	94	58-135	3.16	20
1,1-Dichloroethene	0.0425	0.0432	0.050	ND	85	86	42-145	1.59	20
Diisopropyl ether (DIPE)	0.0453	0.0472	0.050	ND	91	94	52-129	4.08	20
Ethyl tert-butyl ether (ETBE)	0.0464	0.0482	0.050	ND	93	96	53-125	3.79	20
Methyl-t-butyl ether (MTBE)	0.0459	0.0480	0.050	ND	92	96	58-122	4.39	20
Toluene	0.0479	0.0494	0.050	ND	96	99	76-130	3.19	20
Trichloroethene	0.0419	0.0441	0.050	ND	84	88	72-132	4.97	20
Surrogate Recovery									
Dibromofluoromethane	0.127	0.126	0.12		102	101	70-130	0.890	20
Toluene-d8	0.135	0.133	0.12		108	107	70-130	1.28	20
4-BFB	0.0146	0.0151	0.012		116	121	70-130	3.57	20
Benzene-d6	0.0927	0.0935	0.10		93	93	60-140	0	20
Ethylbenzene-d10	0.110	0.108	0.10		110	108	60-140	1.80	20
1,2-DCB-d4	0.0853	0.0864	0.10		85	86	60-140	1.38	20

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Quality Control Report

Client:	ERAS Environmental, Inc.	**WorkOrder:**	1609666
Date Prepared:	9/15/16	**BatchID:**	126655
Date Analyzed:	9/16/16	**Extraction Method:**	SW3050B
Instrument:	ICP-MS2	**Analytical Method:**	SW6020
Matrix:	Soil	**Unit:**	mg/Kg
Project:	14-002; 3037 Adeline St, Oakland	**Sample ID:**	MB/LCS-126655 1609668-001AMS/MSD

QC Summary Report for Metals

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Copper	ND	51.4	0.50	50	-	103	75-125
Lead	ND	51.6	0.50	50	-	103	75-125
Tin	ND	52.3	5.0	50	-	105	75-125
Surrogate Recovery							
Terbium	520	548		500	104	110	70-130

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
Copper	73.2	76.6	50	20.83	105	112	75-125	4.50	20
Lead	52.8	55.4	50	1.911	102	107	75-125	4.92	20
Tin	51.5	55.1	50	ND	103	110	75-125	6.71	20
Surrogate Recovery									
Terbium	542	576	500		108	115	70-130	6.07	20

Analyte	DLT Result	DLTRef Val	%D	%D Limit
Copper	19.4	20.83	6.87	20
Lead	ND<2.5	1.911	-	-
Tin		ND	-	-

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

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Quality Control Report

Client:	ERAS Environmental, Inc.	**WorkOrder:**	1609666
Date Prepared:	9/15/16	**BatchID:**	126661
Date Analyzed:	9/16/16	**Extraction Method:**	SW3550B
Instrument:	GC11A	**Analytical Method:**	SW8015B
Matrix:	Soil	**Unit:**	mg/Kg
Project:	14-002; 3037 Adeline St, Oakland	**Sample ID:**	MB/LCS-126661 1609678-004AMS/MSD

QC Report for SW8015B w/out SG Clean-Up

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
TPH-Diesel (C10-C23)	ND	41.7	1.0	40	-	104	70-130
TPH-Motor Oil (C18-C36)	ND	-	5.0	-	-	-	-
Surrogate Recovery							
C9	21.1	21.1		25	84	84	70-130

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
TPH-Diesel (C10-C23)	39.4	37.7	40	4.041	88	84	70-130	4.24	30
Surrogate Recovery									
C9	21.2	21.5	25		85	86	70-130	1.21	30

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Quality Control Report

Client:	ERAS Environmental, Inc.	**WorkOrder:**	1609666
Date Prepared:	9/15/16	**BatchID:**	126674
Date Analyzed:	9/15/16	**Extraction Method:**	SW3550B
Instrument:	GC17	**Analytical Method:**	SW8270C
Matrix:	Soil	**Unit:**	mg/Kg
Project:	14-002; 3037 Adeline St, Oakland	**Sample ID:**	MB/LCS-126674 1609678-003AMS/MSD

QC Summary Report for SW8270C

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Acenaphthene	ND	3.85	0.25	5	-	77	46-118
Acenaphthylene	ND	-	0.25	-	-	-	-
Acetochlor	ND	-	0.25	-	-	-	-
Anthracene	ND	-	0.25	-	-	-	-
Benzidine	ND	-	1.3	-	-	-	-
Benzo (a) anthracene	ND	-	0.25	-	-	-	-
Benzo (a) pyrene	ND	-	0.25	-	-	-	-
Benzo (b) fluoranthene	ND	-	0.25	-	-	-	-
Benzo (g,h,i) perylene	ND	-	0.25	-	-	-	-
Benzo (k) fluoranthene	ND	-	0.25	-	-	-	-
Benzyl Alcohol	ND	-	1.3	-	-	-	-
1,1-Biphenyl	ND	-	0.25	-	-	-	-
Bis (2-chloroethoxy) Methane	ND	-	0.25	-	-	-	-
Bis (2-chloroethyl) Ether	ND	-	0.25	-	-	-	-
Bis (2-chloroisopropyl) Ether	ND	-	0.25	-	-	-	-
Bis (2-ethylhexyl) Adipate	ND	-	0.25	-	-	-	-
Bis (2-ethylhexyl) Phthalate	ND	-	0.25	-	-	-	-
4-Bromophenyl Phenyl Ether	ND	-	0.25	-	-	-	-
Butylbenzyl Phthalate	ND	-	0.25	-	-	-	-
4-Chloroaniline	ND	-	0.50	-	-	-	-
4-Chloro-3-methylphenol	ND	4.35	0.25	5	-	87	49-123
2-Chloronaphthalene	ND	-	0.25	-	-	-	-
2-Chlorophenol	ND	4.23	0.25	5	-	85	55-116
4-Chlorophenyl Phenyl Ether	ND	-	0.25	-	-	-	-
Chrysene	ND	-	0.25	-	-	-	-
Dibenzo (a,h) anthracene	ND	-	0.25	-	-	-	-
Dibenzofuran	ND	-	0.25	-	-	-	-
Di-n-butyl Phthalate	ND	-	0.25	-	-	-	-
1,2-Dichlorobenzene	ND	-	0.25	-	-	-	-
1,3-Dichlorobenzene	ND	-	0.25	-	-	-	-
1,4-Dichlorobenzene	ND	3.60	0.25	5	-	72	50-102
3,3-Dichlorobenzidine	ND	-	0.50	-	-	-	-
2,4-Dichlorophenol	ND	-	0.25	-	-	-	-
Diethyl Phthalate	ND	-	0.25	-	-	-	-
2,4-Dimethylphenol	ND	-	0.25	-	-	-	-
Dimethyl Phthalate	ND	-	0.25	-	-	-	-
4,6-Dinitro-2-methylphenol	ND	-	1.3	-	-	-	-

(Cont.)

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QA/QC Officer

McCampbell Analytical, Inc.
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Quality Control Report

Client:	ERAS Environmental, Inc.	**WorkOrder:**	1609666
Date Prepared:	9/15/16	**BatchID:**	126674
Date Analyzed:	9/15/16	**Extraction Method:**	SW3550B
Instrument:	GC17	**Analytical Method:**	SW8270C
Matrix:	Soil	**Unit:**	mg/Kg
Project:	14-002; 3037 Adeline St, Oakland	**Sample ID:**	MB/LCS-126674 1609678-003AMS/MSD

QC Summary Report for SW8270C

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
2,4-Dinitrophenol	ND	-	6.3	-	-	-	-
2,4-Dinitrotoluene	ND	4.08	0.25	5	-	82	47-117
2,6-Dinitrotoluene	ND	-	0.25	-	-	-	-
Di-n-octyl Phthalate	ND	-	0.50	-	-	-	-
1,2-Diphenylhydrazine	ND	-	0.25	-	-	-	-
Fluoranthene	ND	-	0.25	-	-	-	-
Fluorene	ND	-	0.25	-	-	-	-
Hexachlorobenzene	ND	-	0.25	-	-	-	-
Hexachlorobutadiene	ND	-	0.25	-	-	-	-
Hexachlorocyclopentadiene	ND	-	1.3	-	-	-	-
Hexachloroethane	ND	-	0.25	-	-	-	-
Indeno (1,2,3-cd) pyrene	ND	-	0.25	-	-	-	-
Isophorone	ND	-	0.25	-	-	-	-
2-Methylnaphthalene	ND	-	0.25	-	-	-	-
2-Methylphenol (o-Cresol)	ND	-	0.25	-	-	-	-
3 & 4-Methylphenol (m,p-Cresol)	ND	-	0.25	-	-	-	-
Naphthalene	ND	-	0.25	-	-	-	-
2-Nitroaniline	ND	-	1.3	-	-	-	-
3-Nitroaniline	ND	-	1.3	-	-	-	-
4-Nitroaniline	ND	-	1.3	-	-	-	-
Nitrobenzene	ND	-	0.25	-	-	-	-
2-Nitrophenol	ND	-	1.3	-	-	-	-
4-Nitrophenol	ND	3.28	1.3	5	-	66	40-102
N-Nitrosodiphenylamine	ND	-	0.25	-	-	-	-
N-Nitrosodi-n-propylamine	ND	4.06	0.25	5	-	81	47-108
Pentachlorophenol	ND	3.94	1.3	5	-	79	39-134
Phenanthrene	ND	-	0.25	-	-	-	-
Phenol	ND	4.00	0.25	5	-	80	49-107
Pyrene	ND	3.78	0.25	5	-	76	55-124
1,2,4-Trichlorobenzene	ND	4.12	0.25	5	-	82	51-121
2,4,5-Trichlorophenol	ND	-	0.25	-	-	-	-
2,4,6-Trichlorophenol	ND	-	0.25	-	-	-	-

(Cont.)

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Quality Control Report

Client:	ERAS Environmental, Inc.	**WorkOrder:**	1609666
Date Prepared:	9/15/16	**BatchID:**	126674
Date Analyzed:	9/15/16	**Extraction Method:**	SW3550B
Instrument:	GC17	**Analytical Method:**	SW8270C
Matrix:	Soil	**Unit:**	mg/Kg
Project:	14-002; 3037 Adeline St, Oakland	**Sample ID:**	MB/LCS-126674 1609678-003AMS/MSD

QC Summary Report for SW8270C

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Surrogate Recovery							
2-Fluorophenol	5.29	4.48		5	106	90	47-125
Phenol-d5	4.96	4.34		5	99	87	45-117
Nitrobenzene-d5	4.76	4.27		5	95	85	39-121
2-Fluorobiphenyl	4.19	3.79		5	84	76	35-120
2,4,6-Tribromophenol	4.48	3.97		5	90	79	32-111
4-Terphenyl-d14	4.45	3.53		5	89	71	32-128

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
Acenaphthene	NR	NR		ND<20	NR	NR	-	NR	
4-Chloro-3-methylphenol	NR	NR		ND<20	NR	NR	-	NR	
2-Chlorophenol	NR	NR		ND<20	NR	NR	-	NR	
1,4-Dichlorobenzene	NR	NR		ND<20	NR	NR	-	NR	
2,4-Dinitrotoluene	NR	NR		ND<20	NR	NR	-	NR	
4-Nitrophenol	NR	NR		ND<100	NR	NR	-	NR	
N-Nitrosodi-n-propylamine	NR	NR		ND<20	NR	NR	-	NR	
Pentachlorophenol	NR	NR		ND<100	NR	NR	-	NR	
Phenol	NR	NR		ND<20	NR	NR	-	NR	
Pyrene	NR	NR		ND<20	NR	NR	-	NR	
1,2,4-Trichlorobenzene	NR	NR		ND<20	NR	NR	-	NR	
Surrogate Recovery									
2-Fluorophenol	NR	NR			NR	NR	-	NR	
Phenol-d5	NR	NR			NR	NR	-	NR	
Nitrobenzene-d5	NR	NR			NR	NR	-	NR	
2-Fluorobiphenyl	NR	NR			NR	NR	-	NR	
2,4,6-Tribromophenol	NR	NR			NR	NR	-	NR	
4-Terphenyl-d14	NR	NR			NR	NR	-	NR	

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Quality Control Report

Client:	ERAS Environmental, Inc.	**WorkOrder:**	1609666
Date Prepared:	9/15/16	**BatchID:**	126654
Date Analyzed:	9/15/16 - 9/16/16	**Extraction Method:**	SW5030B
Instrument:	GC12	**Analytical Method:**	SW8021B/8015Bm
Matrix:	Soil	**Unit:**	mg/Kg
Project:	14-002; 3037 Adeline St, Oakland	**Sample ID:**	MB/LCS-126654 1609669-001AMS/MSD

QC Summary Report for SW8021B/8015Bm

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
TPH(btex)	ND	0.616	0.40	0.60	-	103	70-130
MTBE	ND	0.0796	0.050	0.10	-	80	70-130
Benzene	ND	0.0937	0.0050	0.10	-	94	70-130
Toluene	ND	0.0985	0.0050	0.10	-	98	70-130
Ethylbenzene	ND	0.105	0.0050	0.10	-	105	70-130
Xylenes	ND	0.324	0.015	0.30	-	108	70-130
Surrogate Recovery							
2-Fluorotoluene	0.0961	0.0953		0.10	96	95	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		ND	NR	NR	-	NR	
MTBE	NR	NR		ND	NR	NR	-	NR	
Benzene	NR	NR		ND	NR	NR	-	NR	
Toluene	NR	NR		ND	NR	NR	-	NR	
Ethylbenzene	NR	NR		ND	NR	NR	-	NR	
Xylenes	NR	NR		ND	NR	NR	-	NR	
Surrogate Recovery									
2-Fluorotoluene	NR	NR			NR	NR	-	NR	

(Cont.)

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Quality Control Report

Client:	ERAS Environmental, Inc.	**WorkOrder:**	1609666
Date Prepared:	9/15/16	**BatchID:**	126666
Date Analyzed:	9/16/16	**Extraction Method:**	SW5030B
Instrument:	GC19	**Analytical Method:**	SW8021B/8015Bm
Matrix:	Soil	**Unit:**	mg/Kg
Project:	14-002; 3037 Adeline St, Oakland	**Sample ID:**	MB/LCS-126666 1609666-008AMS/MSD

QC Summary Report for SW8021B/8015Bm

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
TPH(btex)	ND	0.638	0.40	0.60	-	106	70-130
MTBE	ND	0.0873	0.050	0.10	-	87	70-130
Benzene	ND	0.0916	0.0050	0.10	-	92	70-130
Toluene	ND	0.102	0.0050	0.10	-	102	70-130
Ethylbenzene	ND	0.108	0.0050	0.10	-	109	70-130
Xylenes	ND	0.333	0.015	0.30	-	111	70-130
Surrogate Recovery							
2-Fluorotoluene	0.0970	0.102		0.10	97	102	70-130

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
TPH(btex)	0.543	0.546	0.60	ND	91	91	70-130	0	20
MTBE	0.0748	0.0753	0.10	ND	75	75	70-130	0	20
Benzene	0.0832	0.0831	0.10	ND	83	83	70-130	0	20
Toluene	0.0892	0.0891	0.10	ND	89	89	70-130	0	20
Ethylbenzene	0.0957	0.0958	0.10	ND	96	96	70-130	0	20
Xylenes	0.294	0.293	0.30	ND	98	98	70-130	0	20
Surrogate Recovery									
2-Fluorotoluene	0.0851	0.0839	0.10		85	84	70-130	1.43	20

McCampbell Analytical, Inc.
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CHAIN-OF-CUSTODY RECORD

WorkOrder: 1609666 **ClientCode: ERAS**

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ▣ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Report to:
Dave Siegel
ERAS Environmental, Inc.
1533 B Street
Hayward, CA 94541
(510) 247-9885 FAX: (510) 886-5399

Email: info@eras.biz
cc/3rd Party:
PO:
ProjectNo: 14-002; 3037 Adeline St, Oakland

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

Requested TAT: **5 days;**

Date Received: **09/15/2016**
Date Logged: **09/15/2016**

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
1609666-001	E-7	Soil	9/15/2016 12:58	☐	A	A	A	A	A							
1609666-002	E-8	Soil	9/15/2016 13:06	☐	A	A	A	A	A							
1609666-003	E-9	Soil	9/15/2016 13:09	☐	A	A	A	A	A							
1609666-004	E-10	Soil	9/15/2016 13:12	☐	A	A	A	A	A							
1609666-005	E-11	Soil	9/15/2016 13:17	☐	A	A	A	A	A							
1609666-006	E-12	Soil	9/15/2016 13:21	☐	A	A	A	A	A							
1609666-007	E-13	Soil	9/15/2016 13:26	☐	A	A	A	A	A							
1609666-008	E-14	Soil	9/15/2016 13:29	☐	A	A	A	A	A							
1609666-009	E-15	Soil	9/15/2016 13:34	☐	A	A	A	A	A							

Test Legend:

1	8260B_S	2	8270_S	3	G-MBTEX_S	4	METALSMS_TTLC_S
5	TPH(DMO)_S	6		7		8	
9		10		11		12	

Prepared by: Agustina Venegas

The following SampIDs: 001A, 002A, 003A, 004A, 005A, 006A, 007A, 008A, 009A contain testgroup Multi Range_S.

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.

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WORK ORDER SUMMARY

Client Name: ERAS ENVIRONMENTAL, INC. **Project:** 14-002; 3037 Adeline St, Oakland **Work Order:** 1609666
Client Contact: Dave Siegel **QC Level:** LEVEL 2
Contact's Email: info@eras.biz **Comments:** **Date Logged:** 9/15/2016

☐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
1609666-001A	E-7	Soil	SW6020 (Metals) <Copper, Lead, Tin>	1	Acetate Liner	☐	9/15/2016 12:58	5 days		☐	
			Multi-Range TPH(g,d,mo) by EPA 8015Bm			☐		5 days		☐	
			SW8270C (SVOCs)			☐		5 days		☐	
			SW8260B (VOCs)			☐		5 days		☐	
1609666-002A	E-8	Soil	SW6020 (Metals) <Copper, Lead, Tin>	1	Acetate Liner	☐	9/15/2016 13:06	5 days		☐	
			Multi-Range TPH(g,d,mo) by EPA 8015Bm			☐		5 days		☐	
			SW8270C (SVOCs)			☐		5 days		☐	
			SW8260B (VOCs)			☐		5 days		☐	
1609666-003A	E-9	Soil	SW6020 (Metals) <Copper, Lead, Tin>	1	Acetate Liner	☐	9/15/2016 13:09	5 days		☐	
			Multi-Range TPH(g,d,mo) by EPA 8015Bm			☐		5 days		☐	
			SW8270C (SVOCs)			☐		5 days		☐	
			SW8260B (VOCs)			☐		5 days		☐	
1609666-004A	E-10	Soil	SW6020 (Metals) <Copper, Lead, Tin>	1	Acetate Liner	☐	9/15/2016 13:12	5 days		☐	
			Multi-Range TPH(g,d,mo) by EPA 8015Bm			☐		5 days		☐	
			SW8270C (SVOCs)			☐		5 days		☐	

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.

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WORK ORDER SUMMARY

Client Name: ERAS ENVIRONMENTAL, INC. **Project:** 14-002; 3037 Adeline St, Oakland **Work Order:** 1609666
Client Contact: Dave Siegel **QC Level:** LEVEL 2
Contact's Email: info@eras.biz **Comments:** **Date Logged:** 9/15/2016

☐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
1609666-004A	E-10	Soil	SW8260B (VOCs)	1	Acetate Liner	☐	9/15/2016 13:12	5 days		☐	
1609666-005A	E-11	Soil	SW6020 (Metals) <Copper, Lead, Tin>	1	Acetate Liner	☐	9/15/2016 13:17	5 days		☐	
			Multi-Range TPH(g,d,mo) by EPA 8015Bm			☐		5 days		☐	
			SW8270C (SVOCs)			☐		5 days		☐	
			SW8260B (VOCs)			☐		5 days		☐	
1609666-006A	E-12	Soil	SW6020 (Metals) <Copper, Lead, Tin>	1	Acetate Liner	☐	9/15/2016 13:21	5 days		☐	
			Multi-Range TPH(g,d,mo) by EPA 8015Bm			☐		5 days		☐	
			SW8270C (SVOCs)			☐		5 days		☐	
			SW8260B (VOCs)			☐		5 days		☐	
1609666-007A	E-13	Soil	SW6020 (Metals) <Copper, Lead, Tin>	1	Acetate Liner	☐	9/15/2016 13:26	5 days		☐	
			Multi-Range TPH(g,d,mo) by EPA 8015Bm			☐		5 days		☐	
			SW8270C (SVOCs)			☐		5 days		☐	
			SW8260B (VOCs)			☐		5 days		☐	
1609666-008A	E-14	Soil	SW6020 (Metals) <Copper, Lead, Tin>	1	Acetate Liner	☐	9/15/2016 13:29	5 days		☐	
			Multi-Range TPH(g,d,mo) by EPA 8015Bm			☐		5 days		☐	

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.

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WORK ORDER SUMMARY

Client Name: ERAS ENVIRONMENTAL, INC. **Project:** 14-002; 3037 Adeline St, Oakland **Work Order:** 1609666
Client Contact: Dave Siegel **QC Level:** LEVEL 2
Contact's Email: info@eras.biz **Comments:** **Date Logged:** 9/15/2016

☐ 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
1609666-008A	E-14	Soil	SW8270C (SVOCs)	1	Acetate Liner	☐	9/15/2016 13:29	5 days		☐	
			SW8260B (VOCs)			☐		5 days		☐	
1609666-009A	E-15	Soil	SW6020 (Metals) <Copper, Lead, Tin>	1	Acetate Liner	☐	9/15/2016 13:34	5 days		☐	
			Multi-Range TPH(g,d,mo) by EPA 8015Bm			☐		5 days		☐	
			SW8270C (SVOCs)			☐		5 days		☐	
			SW8260B (VOCs)			☐		5 days		☐	

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

1609666

Turnaround Time:	Rush	24Hr	48 Hr	72 Hr	5 Day
					X
Geotracker:	PDF	Excel	Write On (DW		

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
Project location 3037 Adeline St, Oakland
Sampler: David Siegel

Sample ID	Location/Field Point Name	Sampling Date	Sampling Time	# of Containers	Container Type	Matrix: Soil	Water	Waste		Preservative: HCL	H2SO4	HNO3	ICE	None	TPH-gro	TPH-dro/TPH-oro	VOCs by 8260	SVOCs by 8270	copper,lead, tin	Other	Comments
	E-7	9/15/2016	1258	1	P	x							x		x	x	x	x	x		
	E-8	9/15/2016	1306	1	P	x							x		x	x	x	x	x		
	E-9	9/15/2016	1309	1	P	x							x		x	x	x	x	x		
	E-10	9/15/2016	1312	1	P	x							x		x	x	x	x	x		
	E-11	9/15/2016	1317	1	P	x							x		x	x	x	x	x		
	E-12	9/15/2016	1321	1	P	x							x		x	x	x	x	x		
	E-13	9/15/2016	1326	1	P	x							x		x	x	x	x	x		
	E-14	9/15/2016	1329	1	P	x							x		x	x	x	x	x		
	E-15	9/15/2016	1334	1	P	x							x		x	x	x	x	x		

RELINQUISHED BY: / **RECEIVED BY:**

Relinquished by:	Date:	Time:	Received by:
[signature]	9/15/16	2:23 P.M.	[signature]

ICE/t°	11°
Condition	
Head space absent	
Dechlorinated in lab	
Appropriate containers	
Preserved in Lab	
Preservation	VOA's O&G Metals Other pH<2

Comments: Please PDF

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Sample Receipt Checklist

Client Name:	**ERAS Environmental, Inc.**	Date and Time Received:	**9/15/2016 14:13**
Project Name:	**14-002; 3037 Adeline St, Oakland**	Date Logged:	**9/15/2016**
		Received by:	Agustina Venegas
WorkOrder №:	**1609666** Matrix: Soil	Logged by:	Agustina Venegas
Carrier:	Client Drop-In		

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: 11°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:

McCampbell Analytical, Inc.

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Analytical Report

WorkOrder: 1609712

Report Created for: ERAS Environmental, Inc.

1533 B Street
Hayward, CA 94541

Project Contact: Greg Munsell
Project P.O.:
Project Name: 14-002; 3037 Adeline

Project Received: 09/16/2016

Analytical Report reviewed & approved for release on 09/19/2016 by:

Angela Rydelius,
Laboratory Manager

McCampbell Analytical, Inc.
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Glossary of Terms & Qualifier Definitions

Client: ERAS Environmental, Inc.
Project: 14-002; 3037 Adeline
WorkOrder: 1609712

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)

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Analytical Report

Client:	ERAS Environmental, Inc.	**WorkOrder:**	1609712
Date Received:	9/16/16 12:00	**Extraction Method:**	SW3050B
Date Prepared:	9/16/16	**Analytical Method:**	SW6020
Project:	14-002; 3037 Adeline	**Unit:**	mg/Kg

Lead

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
E-16	**1609712-001A**	**Soil**	**09/16/2016 11:30**	**ICP-MS3**	**126678**

Analytes	Result	RL	DF	Date Analyzed
Lead	**20**	0.50	1	09/19/2016 12:29

Surrogates	REC (%)	Limits	
Terbium	112	70-130	09/19/2016 12:29

Analyst(s): DVH

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Quality Control Report

Client:	ERAS Environmental, Inc.	**WorkOrder:**	1609712
Date Prepared:	9/15/16	**BatchID:**	126678
Date Analyzed:	9/16/16	**Extraction Method:**	SW3050B
Instrument:	ICP-MS3	**Analytical Method:**	SW6020
Matrix:	Soil	**Unit:**	mg/Kg
Project:	14-002; 3037 Adeline	**Sample ID:**	MB/LCS-126678 1609698-003AMS/MSD

QC Summary Report for Metals

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Lead	ND	50.6	0.50	50	-	101	75-125
Surrogate Recovery							
Terbium	518	550		500	104	110	70-130

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
Lead	90.4	93.3	50	32	117	123	75-125	3.20	20
Surrogate Recovery									
Terbium	543	545	500		109	109	70-130	0	20

Analyte	DLT Result	DLTRef Val	%D	%D Limit
Lead	32.1	32	0.312	20

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

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(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 1609712 **ClientCode: ERAS**

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Report to:
Greg Munsell
ERAS Environmental, Inc.
1533 B Street
Hayward, CA 94541
(510) 247-9885 FAX: (510) 886-5399

Email: info@eras.biz; greg@eras.biz
cc/3rd Party:
PO:
ProjectNo: 14-002; 3037 Adeline

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

Requested TAT: **1 day;**

Date Received: **09/16/2016**
Date Logged: **09/16/2016**

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
1609712-001	E-16	Soil	9/16/2016 11:30	☐	A											

Test Legend:

1	PBMS_TTLC_S	2		3		4	
5		6		7		8	
9		10		11		12	

Prepared by: Maria Venegas

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.

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WORK ORDER SUMMARY

Client Name: ERAS ENVIRONMENTAL, INC. **QC Level:** LEVEL 2 **Work Order:** 1609712

Project: 14-002; 3037 Adeline **Client Contact:** Greg Munsell **Date Logged:** 9/16/2016

Comments: **Contact's Email:** info@eras.biz; greg@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
1609712-001A	E-16	Soil	SW6020 (Lead)	1	Acetate Liner	☐	9/16/2016 11:30	1 day		☐	

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.

General COC

RUSH

MAI Work Order # 1609712

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CHAIN OF CUSTODY RECORD

Turn Around Time: 1 Day Rush X | 2 Day Rush | 3 Day Rush | STD | Quote #
J-Flag / MDL | ESL | Cleanup Approved | Bottle Order #
Delivery Format: GeoTracker EDF | PDF | EDD | Write On (DW) | EQuIS

Report To: ERAS Environmental Bill To: ERAS Environmental
Company: ERAS Environmental
Email: greg@eras.biz
Alt Email: info@eras.biz Tele: (510) 247-9885
Project Name/#: 14-002 3037 Adeline
Project Location: Oakland PO #
Sampler Signature:

SAMPLE ID Location / Field Point	Sampling Date	Sampling Time	#Containers	Matrix	Preservative
E-16	9/16/16	1130	1	Soil	ice

Analysis Requested

BTEX & TPH as Gas (8021/ 8015) MTBE	TPH as Diesel (8015) + Motor Oil Without Silica Gel	TPH as Diesel (8015) + Motor Oil With Silica Gel	Total Oil & Grease (1664 / 9071) Without Silica Gel	Total Petroleum Hydrocarbons - Oil & Grease (1664 / 9071) With Silica Gel	Total Petroleum Hydrocarbons (418.1) With Silica Gel	EPA 505/ 608 / 8081 (Cl Pesticides)	EPA 608 / 8082 PCB's ; Aroclors only	EPA 524.2 / 624 / 8260 (VOCs)	EPA 525.2 / 625 / 8270 (SVOCs)	EPA 8270 SIM / 8310 (PAHs / PNAs)	CAM 17 Metals (200.8 / 6020)*	Metals (200.8 / 6020)	Baylands Requirements	Lab to filter sample for dissolved metals analysis	Lead				
															X				

MAI clients MUST disclose any dangerous chemicals known to be present in their submitted samples in concentrations that may cause immediate harm or serious future health endangerment as a result of brief, gloved, open air, sample handling by MAI staff. Non-disclosure incurs an immediate $250 surcharge and the client is subject to full legal liability for harm suffered. Thank you for your understanding and for allowing us to work safely.

* If metals are requested for water samples and the water type (Matrix) is not specified on the chain of custody, MAI will default to metals by E200.8.

Please provide an adequate volume of sample. If the volume is not sufficient for a MS/MSD a LCS/LCSD will be prepared in its place and noted in the report.

Comments / Instructions

Relinquished By / Company Name	Date	Time	Received By / Company Name	Date	Time
	9/16/16	1200		9/16/16	1200

Matrix Code: DW=Drinking Water, GW=Ground Water, WW=Waste Water, SW=Seawater, S=Soil, SL=Sludge, A=Air, WP=Wipe, O=Other

Preservative Code: 1=4°C 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=ZnOAc/NaOH 7=None

Temp 8.4 °C Initials

Page 1 of 1

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Sample Receipt Checklist

Client Name:	**ERAS Environmental, Inc.**	Date and Time Received:	**9/16/2016 12:00**
Project Name:	**14-002; 3037 Adeline**	Date Logged:	**9/16/2016**
WorkOrder №:	**1609712** Matrix: Soil	Received by:	Maria Venegas
Carrier:	Client Drop-In	Logged by:	Maria Venegas

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: 8.4°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:

ATTACHMENT G

VAPOR SAMPLE LABORATORY REPORT

ANALYTICAL REPORT

November 28, 2016

SVC Environmental Inc. - San Carlos, CA

Sample Delivery Group:	L873729
Samples Received:	11/18/2016
Project Number:	ERAS - ADELINE
Description:	Former Adeline Foundry
Site:	OAKLAND,CA
Report To:	Ross Tinline 11 Kenton Ave San Carlos, CA 94070

Entire Report Reviewed By:

Brian Ford

Technical Service Representative

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by ESC is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.

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VENT-4 L873729-01 Air

Collected by: Ross Tinline
Collected date/time: 11/16/16 15:29
Received date/time: 11/18/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (MS) by Method TO-15	WG929327	2	11/26/16 04:42	11/26/16 04:42	MBF

VENT-11 L873729-02 Air

Collected by: Ross Tinline
Collected date/time: 11/16/16 15:42
Received date/time: 11/18/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (MS) by Method TO-15	WG929327	2	11/26/16 05:25	11/26/16 05:25	MBF

SS-1R L873729-03 Air

Collected by: Ross Tinline
Collected date/time: 11/16/16 17:33
Received date/time: 11/18/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (MS) by Method TO-15	WG929327	2	11/26/16 06:07	11/26/16 06:07	MBF

SS-1R (IPA) L873729-04 Air

Collected by: Ross Tinline
Collected date/time: 11/16/16 17:33
Received date/time: 11/18/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (MS) by Method TO-15	WG929778	1000	11/26/16 13:19	11/26/16 13:19	MBF

VENT-4 L873729-05 Air

Collected by: Ross Tinline
Collected date/time: 11/16/16 15:29
Received date/time: 11/18/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Organic Compounds (GC) by Method D1946	WG930004	1	11/28/16 11:08	11/28/16 11:08	MJ

VENT-11 L873729-06 Air

Collected by: Ross Tinline
Collected date/time: 11/16/16 15:42
Received date/time: 11/18/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Organic Compounds (GC) by Method D1946	WG930004	1	11/28/16 11:57	11/28/16 11:57	MJ

SS-1R L873729-07 Air

Collected by: Ross Tinline
Collected date/time: 11/16/16 17:33
Received date/time: 11/18/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Organic Compounds (GC) by Method D1946	WG930004	1	11/28/16 12:13	11/28/16 12:13	MJ

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. All MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Brian Ford
Technical Service Representative

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Benzene	71-43-2	78.10	0.400	1.28	ND	ND		2	WG929327
Ethylbenzene	100-41-4	106	0.400	1.73	ND	ND		2	WG929327
Naphthalene	91-20-3	128	1.26	6.60	ND	ND		2	WG929327
2-Propanol	67-63-0	60.10	2.50	6.15	11.9	29.2		2	WG929327
Toluene	108-88-3	92.10	0.400	1.51	ND	ND		2	WG929327
m&p-Xylene	1330-20-7	106	0.800	3.47	ND	ND		2	WG929327
o-Xylene	95-47-6	106	0.400	1.73	ND	ND		2	WG929327
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*95.7*				WG929327

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Benzene	71-43-2	78.10	0.400	1.28	ND	ND		2	WG929327
Ethylbenzene	100-41-4	106	0.400	1.73	ND	ND		2	WG929327
Naphthalene	91-20-3	128	1.26	6.60	ND	ND		2	WG929327
2-Propanol	67-63-0	60.10	2.50	6.15	6.56	16.1		2	WG929327
Toluene	108-88-3	92.10	0.400	1.51	ND	ND		2	WG929327
m&p-Xylene	1330-20-7	106	0.800	3.47	ND	ND		2	WG929327
o-Xylene	95-47-6	106	0.400	1.73	ND	ND		2	WG929327
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*98.7*				WG929327

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Benzene	71-43-2	78.10	0.400	1.28	ND	ND		2	WG929327
Ethylbenzene	100-41-4	106	0.400	1.73	ND	ND		2	WG929327
Naphthalene	91-20-3	128	1.26	6.60	ND	ND		2	WG929327
2-Propanol	67-63-0	60.10	2.50	6.15	2.93	7.21		2	WG929327
Toluene	108-88-3	92.10	0.400	1.51	ND	ND		2	WG929327
m&p-Xylene	1330-20-7	106	0.800	3.47	ND	ND		2	WG929327
o-Xylene	95-47-6	106	0.400	1.73	ND	ND		2	WG929327
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*96.3*				WG929327

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
2-Propanol	67-63-0	60.10	1250	3070	4610	11300		1000	WG929778
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*99.6*				WG929778

Organic Compounds (GC) by Method D1946

Analyte	CAS #	Mol. Wt.	RDL %	Result %	Qualifier	Dilution	Batch
Oxygen	7782-44-7	32	2.00	13.7		1	WG930004
Carbon Dioxide	124-38-9	44.01	0.500	ND		1	WG930004
Methane	74-82-8	16	0.400	ND		1	WG930004

Organic Compounds (GC) by Method D1946

Analyte	CAS #	Mol. Wt.	RDL %	Result %	Qualifier	Dilution	Batch
Oxygen	7782-44-7	32	2.00	15.3		1	WG930004
Carbon Dioxide	124-38-9	44.01	0.500	ND		1	WG930004
Methane	74-82-8	16	0.400	ND		1	WG930004

Organic Compounds (GC) by Method D1946

Analyte	CAS #	Mol. Wt.	RDL	Result	Qualifier	Dilution	Batch
			%	%			
Oxygen	7782-44-7	32	2.00	13.9		1	WG930004
Carbon Dioxide	124-38-9	44.01	0.500	1.25		1	WG930004
Methane	74-82-8	16	0.400	ND		1	WG930004

Method Blank (MB)

(MB) R3180591-3 11/25/16 20:21

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Benzene	U		0.0460	0.200
Ethylbenzene	U		0.0506	0.200
Naphthalene	0.199	J	0.154	0.630
2-Propanol	U		0.0882	1.25
Toluene	U		0.0499	0.200
m&p-Xylene	U		0.0946	0.400
o-Xylene	U		0.0633	0.200
(S) 1,4-Bromofluorobenzene	*100*			*60.0-140*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3180591-1 11/25/16 18:57 • (LCSD) R3180591-2 11/25/16 19:38

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
2-Propanol	3.75	3.79	3.74	101	99.7	50.4-152			1.36	25
Benzene	3.75	3.83	3.85	102	103	70.0-130			0.680	25
Toluene	3.75	3.90	3.89	104	104	70.0-130			0.450	25
Ethylbenzene	3.75	3.91	3.94	104	105	70.0-130			0.820	25
m&p-Xylene	7.50	7.68	7.73	102	103	70.0-130			0.700	25
o-Xylene	3.75	3.90	3.89	104	104	70.0-130			0.290	25
Naphthalene	3.75	3.81	3.93	102	105	52.0-158			3.06	25
(S) 1,4-Bromofluorobenzene				*100*	*101*	*60.0-140*				

Method Blank (MB)

(MB) R3180638-3 11/26/16 09:28

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
2-Propanol	U		0.0882	1.25
(S) 1,4-Bromofluorobenzene	*98.9*			*60.0-140*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3180638-1 11/26/16 07:57 • (LCSD) R3180638-2 11/26/16 08:42

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
2-Propanol	3.75	3.98	3.95	106	105	50.4-152			0.980	25
(S) 1,4-Bromofluorobenzene				*98.5*	*99.1*	*60.0-140*				

Method Blank (MB)

(MB) R3180827-3 11/28/16 09:14

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Oxygen	U		0.225	2.00
Carbon Dioxide	U		0.121	0.500
Methane	U		0.0584	0.400

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3180827-1 11/28/16 08:46 • (LCSD) R3180827-2 11/28/16 09:00

Analyte	Spike Amount %	LCS Result %	LCSD Result %	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Oxygen	3.50	3.14	3.44	89.6	98.2	70.0-130			9.15	20
Carbon Dioxide	3.50	3.27	3.23	93.6	92.4	70.0-130			1.28	20
Methane	2.80	2.52	2.54	90.0	90.7	70.0-130			0.780	20

Abbreviations and Definitions

SDG	Sample Delivery Group.
MDL	Method Detection Limit.
RDL	Reported Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
U	Not detected at the Reporting Limit (or MDL where applicable).
RPD	Relative Percent Difference.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
Rec.	Recovery.

Qualifier	Description
J	The identification of the analyte is acceptable; the reported value is an estimate.

ESC Lab Sciences is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our "one location" design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be **YOUR LAB OF CHOICE.**
***** Not all certifications held by the laboratory are applicable to the results reported in the attached report.

State Accreditations

Alabama	40660	Nevada	TN-03-2002-34
Alaska	UST-080	New Hampshire	2975
Arizona	AZ0612	New Jersey–NELAP	TN002
Arkansas	88-0469	New Mexico	TN00003
California	01157CA	New York	11742
Colorado	TN00003	North Carolina	Env375
Conneticut	PH-0197	North Carolina [1]	DW21704
Florida	E87487	North Carolina [2]	41
Georgia	NELAP	North Dakota	R-140
Georgia [1]	923	Ohio–VAP	CL0069
Idaho	TN00003	Oklahoma	9915
Illinois	200008	Oregon	TN200002
Indiana	C-TN-01	Pennsylvania	68-02979
Iowa	364	Rhode Island	221
Kansas	E-10277	South Carolina	84004
Kentucky [1]	90010	South Dakota	n/a
Kentucky [2]	16	Tennessee [1 4]	2006
Louisiana	AI30792	Texas	T 104704245-07-TX
Maine	TN0002	Texas [5]	LAB0152
Maryland	324	Utah	6157585858
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	109
Minnesota	047-999-395	Washington	C1915
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA
Nebraska	NE-OS-15-05		

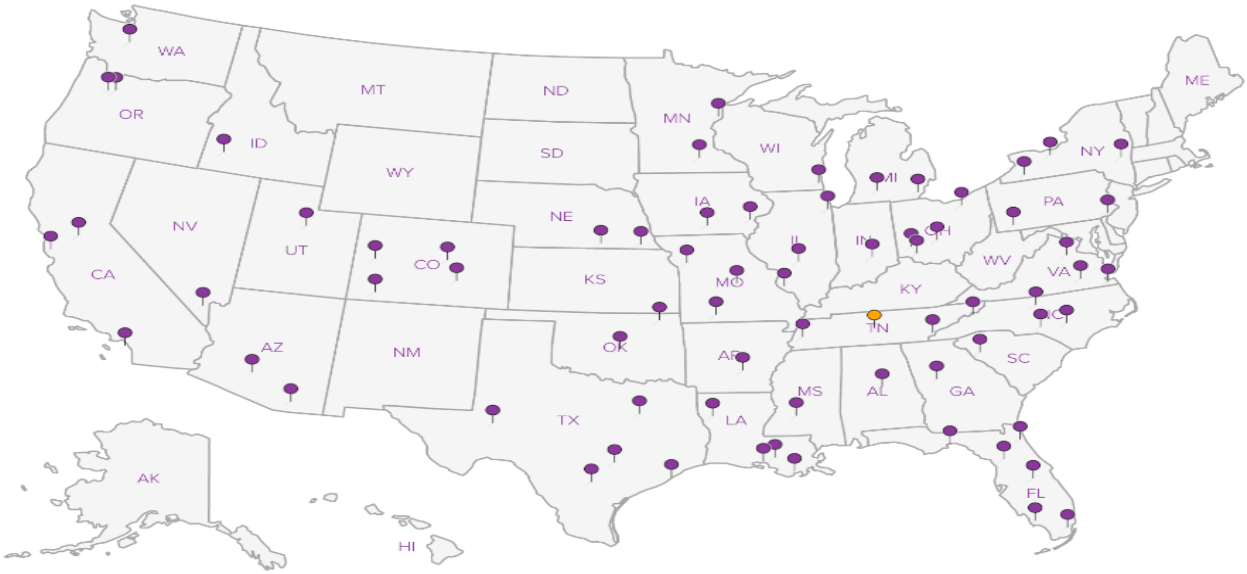
Third Party & Federal Accreditations

A2LA – ISO 17025	1461.01	AIHA	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	S-67674
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [n/a] Accreditation not applicable

Our Locations

ESC Lab Sciences has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. **ESC Lab Sciences performs all testing at our central laboratory.**



Company Name/Address:
SVC Environmental, Inc
11 Kenton Avenue
San Carlos, CA 94070

Billing Information:
Same.

Report to: Ross Tmline

Email To: rosst@svcenv.com

Project Description: Former Adeline Foundry

City/State Collected: Oakland, CA.

Phone: 650-218-3766
Fax:

Client Project # ERAS - Adeline

Lab Project #

Collected by (print): Ross Tmline

Site/Facility ID #

P.O. #

Collected by (signature):

Rush? (Lab MUST Be Notified)
___ Same Day 200%
___ Next Day 100%
___ Two Day 50%
___ Three Day 25%

Date Results Needed: Normal TAT (5 Day).

Email? ___No X Yes
FAX? ___No ___Yes

Canister Pressure/Vacuum

Analysis

Chain of Custody Page ___ of ___

ESC LABORATORY SCIENCES
YOUR LAB OF CHOICE
12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# L873729

L124

Acctnum:
Template:
Prelogin:
TSR:
PB:
Shipped Via:

Sample ID	Sample Description	Can #	Date	Time	Initial "Hg	Final "Hg	TO15 for BTEX, 2-propanol + Naphthalene	CO_2 O_2 + methane by D1946		2 Propanol only (TO15)	Rem./Contaminant	Sample # (lab only)
	VENT-4*	1958	11/16/16	1525-1529	29.8	4.5	X	X				-01/05
	VENT-11**	1247	11/16/16	1538-1542	30	5.0	X	X				-02-00
	SS-1R	2002	11/16/16	1728-1733	29.55	3.20	X	X				-03/07
	SS-1R (IPA)	2377	11/16/16	1728-1733	-30	-6				X		-04

Remarks:

Hold #

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Samples returned via: ☐ UPS ☒ FedEx ☐ Courier ☐ ____	Condition: MB a (lab use only)
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: AMB °C Bottles Received: 4	COC Seal Intact: ___Y ___N ___NA
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 11-18-16 Time: 0900	pH Checked: NCF:

11-17-16 1615 Fed Ex

ESC
LAB SCIENCES
YOUR LAB OF CHOICE

Cooler Receipt Form

Client: SVCENV SCCA	SDG# L673729
Cooler Received/Opened On: 11/ 18 /16 Temperature Upon Receipt:	°c Amb.
Received by: Nadiar Yakob	
Signature: Nadiar Yakob	

Receipt Check List	Yes	No	N/A
Were custody seals on outside of cooler and intact?			✓
Were custody papers properly filled out?	✓		
Did all bottles arrive in good condition?	✓		
Were correct bottles used for the analyses requested?	✓		
Was sufficient amount of sample sent in each bottle?	✓		
Were all applicable sample containers correctly preserved and checked for preservation? (Any not in accepted range noted on COC)			✓
If applicable, was an observable VOA headspace present?			✓
Non Conformance Generated. (If yes see attached NCF)			

ATTACHMENT H

WASTE DISPOSAL LABORATORY REPORTS AND MANIFESTS

McCampbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 1609652 A

Report Created for: ERAS Environmental, Inc.

1533 B Street
Hayward, CA 94541

Project Contact: Dave Siegel
Project P.O.:
Project Name: 14-002; 3037 Adeline St, Oakland

Project Received: 09/15/2016

Analytical Report reviewed & approved for release on 09/23/2016 by:

Angela Rydelius,
Laboratory Manager

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Glossary of Terms & Qualifier Definitions

Client: ERAS Environmental, Inc.
Project: 14-002; 3037 Adeline St, Oakland
WorkOrder: 1609652

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)

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Glossary of Terms & Qualifier Definitions

Client: ERAS Environmental, Inc.
Project: 14-002; 3037 Adeline St, Oakland
WorkOrder: 1609652

Analytical Qualifiers

a3	sample diluted due to high organic content.
a4	reporting limits raised due to the sample's matrix prohibiting a full volume extraction.
d7	strongly aged gasoline or diesel range compounds are significant in the TPH(g) chromatogram
e2	diesel range compounds are significant; no recognizable pattern
e7	oil range compounds are significant

Quality Control Qualifiers

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

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Analytical Report

Client:	ERAS Environmental, Inc.	**WorkOrder:**	1609652
Date Received:	9/15/16 14:15	**Extraction Method:**	CA Title 22
Date Prepared:	9/19/16	**Analytical Method:**	SW6020
Project:	14-002; 3037 Adeline St, Oakland	**Unit:**	mg/L

Metals (STLC)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SS-1,2,3,4	**1609652-001A**	**Soil**	**09/15/2016 11:35**	**ICP-MS3**	**126770**

Analytes	Result	RL	DF	Date Analyzed
Copper	**170**	1.0	10	09/22/2016 11:02
Lead	**15**	0.10	1	09/21/2016 23:16

Analyst(s): MIG

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Analytical Report

Client:	ERAS Environmental, Inc.	**WorkOrder:**	1609652
Date Received:	9/15/16 14:15	**Extraction Method:**	SW1311/SW3010
Date Prepared:	9/20/16	**Analytical Method:**	SW6020
Project:	14-002; 3037 Adeline St, Oakland	**Unit:**	mg/L

Metals (TCLP)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SS-1,2,3,4	**1609652-001A**	**Soil**	**09/15/2016 11:35**	**ICP-MS1**	**126853**

Analytes	Result	RL	DF	Date Analyzed
Copper	**36**	0.10	1	09/21/2016 19:03
Lead	**2.4**	0.10	1	09/21/2016 19:03

Analyst(s): MIG

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Quality Control Report

Client:	ERAS Environmental, Inc.	**WorkOrder:**	1609652
Date Prepared:	9/19/16	**BatchID:**	126770
Date Analyzed:	9/21/16	**Extraction Method:**	CA Title 22
Instrument:	ICP-MS3	**Analytical Method:**	SW6020
Matrix:	Soil	**Unit:**	mg/L
Project:	14-002; 3037 Adeline St, Oakland	**Sample ID:**	MB/LCS-126770 1609786-001AMS/MSD

QC Summary Report for Metals (STLC)

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Copper	ND	9.70	0.10	10	-	97	75-125
Lead	ND	9.35	0.10	10	-	94	75-125

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
Copper	10.1	9.85	10	0.30	98	96	75-125	2.13	20
Lead	9.52	9.43	10	ND	95	94	75-125	0.865	20

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Quality Control Report

Client:	ERAS Environmental, Inc.	**WorkOrder:**	1609652
Date Prepared:	9/20/16	**BatchID:**	126853
Date Analyzed:	9/21/16	**Extraction Method:**	SW1311/SW3010
Instrument:	ICP-MS1	**Analytical Method:**	SW6020
Matrix:	Soil	**Unit:**	mg/L
Project:	14-002; 3037 Adeline St, Oakland	**Sample ID:**	MB/LCS-126853 1609846-001AMS/MSD

QC Summary Report for Metals (TCLP)

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Copper	ND	9.99	0.10	10	-	100	75-125
Lead	ND	9.94	0.10	10	-	99	75-125

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
Copper	10.1	9.99	10	ND	101	100	75-125	1.29	20
Lead	9.90	9.84	10	ND	99	98	75-125	0.567	20

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 1609652 A **ClientCode: ERAS**

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☐ Fax ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Report to:
Dave Siegel
ERAS Environmental, Inc.
1533 B Street
Hayward, CA 94541
(510) 247-9885 FAX: (510) 886-5399

Email: info@eras.biz
cc/3rd Party: dave@eras.biz;
PO:
ProjectNo: 14-002; 3037 Adeline St, Oakland

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

Requested TAT: **1 day;**

Date Received: **09/15/2016**
Date Logged: **09/15/2016**
Date Add-On: **09/19/2016**

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
1609652-001	SS-1,2,3,4	Soil	9/15/2016 11:35	☐	A	A										

Test Legend:

1	METALSMS_STLC_S	2	METALSMS_TCLP_S	3		4	
5		6		7		8	
9		10		11		12	

Prepared by: Agustina Venegas

Add-On Prepared By: Maria Venegas

Comments: STLC Cu,Pb on a Rush TAT 9/19/16. TCLP Cu,Pb on a Rush TAT 9/20/16.

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.

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http://www.mccampbell.com / E-mail: main@mccampbell.com

WORK ORDER SUMMARY

Client Name: ERAS ENVIRONMENTAL, INC.
Project: 14-002; 3037 Adeline St, Oakland
Comments: STLC Cu,Pb on a Rush TAT 9/19/16. TCLP Cu,Pb on a Rush TAT 9/20/16.

QC Level: LEVEL 2
Client Contact: Dave Siegel
Contact's Email: info@eras.biz

Work Order: 1609652
Date Logged: 9/15/2016
Date Add-On: 9/19/2016

Lab ID	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
1609652-001A	SS-1,2,3,4	Soil	SW6020 (Metals) (TCLP) <Copper, Lead>	1	Acetate Liner	9/15/2016 11:35	1 day*		☐	
			SW6020 (Metals) (STLC) <Copper, Lead>				1 day*		☐	

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.

RUSH

CHAIN OF CUSTODY FORM

16091452

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

Turnaround Time: Rush | X 24Hr | 48 Hr | 72 Hr | 5 Day

Geotracker: PDF | Excel | Write On (DW

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

Project location 3037 Adeline St, Oakland

Sampler: David Siegel

Sample ID	Location/Field Point Name	Sampling Date	Sampling Time	# of Containers	Container Type	Matrix: Soil	Matrix: Water	Matrix: Waste	Preservative: HCL	Preservative: H2SO4	Preservative: HNO3	Preservative: ICE	Preservative: None	STLC Cu, Pb 9/19/16 1d	TCLP Cu, Pb 9/20/16 1d	TPH-gro	TPH-dro/TPH-oro	VOCs by 8260	SVOCs by 8270	CAM 17 Metals	Other	Comments
	SS-1	9/15/2016	1104	1	P	x						x		X	X	x	x	x	x	x		
	SS-2	9/15/2016	1106	1	P	x						x		X	X	x	x	x	x	x		
	SS-3	9/15/2016	1131	1	P	x						x		X	X	x	x	x	x	x		
	SS-4	9/15/2016	1135	1	P	x						x		X	X	x	x	x	x	x		

3 Composite into one sample for analysis

RELINQUISHED BY:

Relinquished by: Matt Medl	Date: 9/15/16	Time: 2:23 P.M.	Received by:
Relinquished by:	Date:	Time:	Received by:
Relinquished by:	Date:	Time:	Received by:

RECEIVED BY:

ICE/t° Condition	11°
Head space absent	
Dechlorinated in lab	
Appropriate containers	
Preserved in Lab	
Preservation	VOA's O&G Metals Other pH<2

Comments: Please PDF

McCampbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 1609652

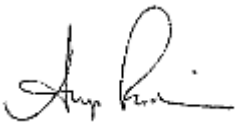
Report Created for: ERAS Environmental, Inc.

1533 B Street
Hayward, CA 94541

Project Contact: Dave Siegel
Project P.O.:
Project Name: 14-002; 3037 Adeline St, Oakland

Project Received: 09/15/2016

Analytical Report reviewed & approved for release on 09/16/2016 by:



Angela Rydelius,
Laboratory Manager

1534 Willow Pass Rd. Pittsburg, CA 94565 ♦ TEL: (877) 252-9262 ♦ FAX: (925) 252-9269 ♦ www.mccampbell.com
CA ELAP 1644 ♦ NELAP 4033ORELAP

McCampbell Analytical, Inc.
"When Quality Counts"

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http://www.mccampbell.com / E-mail: main@mccampbell.com

Glossary of Terms & Qualifier Definitions

Client: ERAS Environmental, Inc.
Project: 14-002; 3037 Adeline St, Oakland
WorkOrder: 1609652

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)

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Glossary of Terms & Qualifier Definitions

Client: ERAS Environmental, Inc.
Project: 14-002; 3037 Adeline St, Oakland
WorkOrder: 1609652

Analytical Qualifiers

a3	sample diluted due to high organic content.
a4	reporting limits raised due to the sample's matrix prohibiting a full volume extraction.
d7	strongly aged gasoline or diesel range compounds are significant in the TPH(g) chromatogram
e2	diesel range compounds are significant; no recognizable pattern
e7	oil range compounds are significant

Quality Control Qualifiers

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

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Analytical Report

Client:	ERAS Environmental, Inc.	**WorkOrder:**	1609652
Date Received:	9/15/16 14:15	**Extraction Method:**	SW5030B
Date Prepared:	9/15/16	**Analytical Method:**	SW8260B
Project:	14-002; 3037 Adeline St, Oakland	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SS-1,2,3,4	**1609652-001A**	**Soil**	**09/15/2016 11:35**	**GC10**	**126628**

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	2.0	20	09/15/2016 19:40
tert-Amyl methyl ether (TAME)	ND	0.10	20	09/15/2016 19:40
Benzene	ND	0.10	20	09/15/2016 19:40
Bromobenzene	ND	0.10	20	09/15/2016 19:40
Bromochloromethane	ND	0.10	20	09/15/2016 19:40
Bromodichloromethane	ND	0.10	20	09/15/2016 19:40
Bromoform	ND	0.10	20	09/15/2016 19:40
Bromomethane	ND	0.10	20	09/15/2016 19:40
2-Butanone (MEK)	ND	0.40	20	09/15/2016 19:40
t-Butyl alcohol (TBA)	ND	1.0	20	09/15/2016 19:40
n-Butyl benzene	**0.14**	0.10	20	09/15/2016 19:40
sec-Butyl benzene	ND	0.10	20	09/15/2016 19:40
tert-Butyl benzene	ND	0.10	20	09/15/2016 19:40
Carbon Disulfide	ND	0.10	20	09/15/2016 19:40
Carbon Tetrachloride	ND	0.10	20	09/15/2016 19:40
Chlorobenzene	ND	0.10	20	09/15/2016 19:40
Chloroethane	ND	0.10	20	09/15/2016 19:40
Chloroform	ND	0.10	20	09/15/2016 19:40
Chloromethane	ND	0.10	20	09/15/2016 19:40
2-Chlorotoluene	ND	0.10	20	09/15/2016 19:40
4-Chlorotoluene	ND	0.10	20	09/15/2016 19:40
Dibromochloromethane	ND	0.10	20	09/15/2016 19:40
1,2-Dibromo-3-chloropropane	ND	0.080	20	09/15/2016 19:40
1,2-Dibromoethane (EDB)	ND	0.080	20	09/15/2016 19:40
Dibromomethane	ND	0.10	20	09/15/2016 19:40
1,2-Dichlorobenzene	ND	0.10	20	09/15/2016 19:40
1,3-Dichlorobenzene	ND	0.10	20	09/15/2016 19:40
1,4-Dichlorobenzene	ND	0.10	20	09/15/2016 19:40
Dichlorodifluoromethane	ND	0.10	20	09/15/2016 19:40
1,1-Dichloroethane	ND	0.10	20	09/15/2016 19:40
1,2-Dichloroethane (1,2-DCA)	ND	0.080	20	09/15/2016 19:40
1,1-Dichloroethene	ND	0.10	20	09/15/2016 19:40
cis-1,2-Dichloroethene	ND	0.10	20	09/15/2016 19:40
trans-1,2-Dichloroethene	ND	0.10	20	09/15/2016 19:40
1,2-Dichloropropane	ND	0.10	20	09/15/2016 19:40
1,3-Dichloropropane	ND	0.10	20	09/15/2016 19:40
2,2-Dichloropropane	ND	0.10	20	09/15/2016 19:40

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Analytical Report

Client:	ERAS Environmental, Inc.	**WorkOrder:**	1609652
Date Received:	9/15/16 14:15	**Extraction Method:**	SW5030B
Date Prepared:	9/15/16	**Analytical Method:**	SW8260B
Project:	14-002; 3037 Adeline St, Oakland	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SS-1,2,3,4	**1609652-001A**	**Soil**	**09/15/2016 11:35**	**GC10**	**126628**

Analytes	Result	RL	DF	Date Analyzed
1,1-Dichloropropene	ND	0.10	20	09/15/2016 19:40
cis-1,3-Dichloropropene	ND	0.10	20	09/15/2016 19:40
trans-1,3-Dichloropropene	ND	0.10	20	09/15/2016 19:40
Diisopropyl ether (DIPE)	ND	0.10	20	09/15/2016 19:40
Ethylbenzene	ND	0.10	20	09/15/2016 19:40
Ethyl tert-butyl ether (ETBE)	ND	0.10	20	09/15/2016 19:40
Freon 113	ND	0.10	20	09/15/2016 19:40
Hexachlorobutadiene	ND	0.10	20	09/15/2016 19:40
Hexachloroethane	ND	0.10	20	09/15/2016 19:40
2-Hexanone	ND	0.10	20	09/15/2016 19:40
Isopropylbenzene	ND	0.10	20	09/15/2016 19:40
4-Isopropyl toluene	ND	0.10	20	09/15/2016 19:40
Methyl-t-butyl ether (MTBE)	ND	0.10	20	09/15/2016 19:40
Methylene chloride	ND	0.10	20	09/15/2016 19:40
4-Methyl-2-pentanone (MIBK)	ND	0.10	20	09/15/2016 19:40
Naphthalene	**2.3**	0.10	20	09/15/2016 19:40
n-Propyl benzene	ND	0.10	20	09/15/2016 19:40
Styrene	ND	0.10	20	09/15/2016 19:40
1,1,1,2-Tetrachloroethane	ND	0.10	20	09/15/2016 19:40
1,1,2,2-Tetrachloroethane	ND	0.10	20	09/15/2016 19:40
Tetrachloroethene	ND	0.10	20	09/15/2016 19:40
Toluene	ND	0.10	20	09/15/2016 19:40
1,2,3-Trichlorobenzene	ND	0.10	20	09/15/2016 19:40
1,2,4-Trichlorobenzene	ND	0.10	20	09/15/2016 19:40
1,1,1-Trichloroethane	ND	0.10	20	09/15/2016 19:40
1,1,2-Trichloroethane	ND	0.10	20	09/15/2016 19:40
Trichloroethene	ND	0.10	20	09/15/2016 19:40
Trichlorofluoromethane	ND	0.10	20	09/15/2016 19:40
1,2,3-Trichloropropane	ND	0.10	20	09/15/2016 19:40
1,2,4-Trimethylbenzene	ND	0.10	20	09/15/2016 19:40
1,3,5-Trimethylbenzene	ND	0.10	20	09/15/2016 19:40
Vinyl Chloride	ND	0.10	20	09/15/2016 19:40
Xylenes, Total	ND	0.10	20	09/15/2016 19:40

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Analytical Report

Client:	ERAS Environmental, Inc.	**WorkOrder:**	1609652
Date Received:	9/15/16 14:15	**Extraction Method:**	SW5030B
Date Prepared:	9/15/16	**Analytical Method:**	SW8260B
Project:	14-002; 3037 Adeline St, Oakland	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SS-1,2,3,4	**1609652-001A**	**Soil**	**09/15/2016 11:35**	**GC10**	**126628**

Analytes	Result	RL	DF	Date Analyzed
Surrogates	REC (%)	Limits		
Dibromofluoromethane	102	70-130		09/15/2016 19:40
Toluene-d8	99	70-130		09/15/2016 19:40
4-BFB	107	70-130		09/15/2016 19:40
Benzene-d6	86	60-140		09/15/2016 19:40
Ethylbenzene-d10	64	60-140		09/15/2016 19:40
1,2-DCB-d4	109	60-140		09/15/2016 19:40

Analyst(s): KF

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Analytical Report

Client:	ERAS Environmental, Inc.	**WorkOrder:**	1609652
Date Received:	9/15/16 14:15	**Extraction Method:**	SW3550B
Date Prepared:	9/15/16	**Analytical Method:**	SW8270C
Project:	14-002; 3037 Adeline St, Oakland	**Unit:**	mg/Kg

Semi-Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SS-1,2,3,4	1609652-001A	Soil	09/15/2016 11:35	GC17	126630

Analytes	Result	RL	DF	Date Analyzed
Acenaphthene	ND	20	10	09/15/2016 17:46
Acenaphthylene	ND	20	10	09/15/2016 17:46
Acetochlor	ND	20	10	09/15/2016 17:46
Anthracene	ND	20	10	09/15/2016 17:46
Benzidine	ND	100	10	09/15/2016 17:46
Benzo (a) anthracene	ND	20	10	09/15/2016 17:46
Benzo (a) pyrene	ND	20	10	09/15/2016 17:46
Benzo (b) fluoranthene	ND	20	10	09/15/2016 17:46
Benzo (g,h,i) perylene	ND	20	10	09/15/2016 17:46
Benzo (k) fluoranthene	ND	20	10	09/15/2016 17:46
Benzyl Alcohol	ND	100	10	09/15/2016 17:46
1,1-Biphenyl	ND	20	10	09/15/2016 17:46
Bis (2-chloroethoxy) Methane	ND	20	10	09/15/2016 17:46
Bis (2-chloroethyl) Ether	ND	20	10	09/15/2016 17:46
Bis (2-chloroisopropyl) Ether	ND	20	10	09/15/2016 17:46
Bis (2-ethylhexyl) Adipate	ND	20	10	09/15/2016 17:46
Bis (2-ethylhexyl) Phthalate	ND	20	10	09/15/2016 17:46
4-Bromophenyl Phenyl Ether	ND	20	10	09/15/2016 17:46
Butylbenzyl Phthalate	ND	20	10	09/15/2016 17:46
4-Chloroaniline	ND	40	10	09/15/2016 17:46
4-Chloro-3-methylphenol	ND	20	10	09/15/2016 17:46
2-Chloronaphthalene	ND	20	10	09/15/2016 17:46
2-Chlorophenol	ND	20	10	09/15/2016 17:46
4-Chlorophenyl Phenyl Ether	ND	20	10	09/15/2016 17:46
Chrysene	ND	20	10	09/15/2016 17:46
Dibenzo (a,h) anthracene	ND	20	10	09/15/2016 17:46
Dibenzofuran	ND	20	10	09/15/2016 17:46
Di-n-butyl Phthalate	ND	20	10	09/15/2016 17:46
1,2-Dichlorobenzene	ND	20	10	09/15/2016 17:46
1,3-Dichlorobenzene	ND	20	10	09/15/2016 17:46
1,4-Dichlorobenzene	ND	20	10	09/15/2016 17:46
3,3-Dichlorobenzidine	ND	40	10	09/15/2016 17:46
2,4-Dichlorophenol	ND	20	10	09/15/2016 17:46
Diethyl Phthalate	ND	20	10	09/15/2016 17:46
2,4-Dimethylphenol	ND	20	10	09/15/2016 17:46
Dimethyl Phthalate	ND	20	10	09/15/2016 17:46
4,6-Dinitro-2-methylphenol	ND	100	10	09/15/2016 17:46

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Analytical Report

Client:	ERAS Environmental, Inc.	**WorkOrder:**	1609652
Date Received:	9/15/16 14:15	**Extraction Method:**	SW3550B
Date Prepared:	9/15/16	**Analytical Method:**	SW8270C
Project:	14-002; 3037 Adeline St, Oakland	**Unit:**	mg/Kg

Semi-Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SS-1,2,3,4	1609652-001A	Soil	09/15/2016 11:35	GC17	126630

Analytes	Result	RL	DF	Date Analyzed
2,4-Dinitrophenol	ND	500	10	09/15/2016 17:46
2,4-Dinitrotoluene	ND	20	10	09/15/2016 17:46
2,6-Dinitrotoluene	ND	20	10	09/15/2016 17:46
Di-n-octyl Phthalate	ND	40	10	09/15/2016 17:46
1,2-Diphenylhydrazine	ND	20	10	09/15/2016 17:46
Fluoranthene	ND	20	10	09/15/2016 17:46
Fluorene	ND	20	10	09/15/2016 17:46
Hexachlorobenzene	ND	20	10	09/15/2016 17:46
Hexachlorobutadiene	ND	20	10	09/15/2016 17:46
Hexachlorocyclopentadiene	ND	100	10	09/15/2016 17:46
Hexachloroethane	ND	20	10	09/15/2016 17:46
Indeno (1,2,3-cd) pyrene	ND	20	10	09/15/2016 17:46
Isophorone	ND	20	10	09/15/2016 17:46
2-Methylnaphthalene	ND	20	10	09/15/2016 17:46
2-Methylphenol (o-Cresol)	ND	20	10	09/15/2016 17:46
3 & 4-Methylphenol (m,p-Cresol)	ND	20	10	09/15/2016 17:46
Naphthalene	ND	20	10	09/15/2016 17:46
2-Nitroaniline	ND	100	10	09/15/2016 17:46
3-Nitroaniline	ND	100	10	09/15/2016 17:46
4-Nitroaniline	ND	100	10	09/15/2016 17:46
Nitrobenzene	ND	20	10	09/15/2016 17:46
2-Nitrophenol	ND	100	10	09/15/2016 17:46
4-Nitrophenol	ND	100	10	09/15/2016 17:46
N-Nitrosodiphenylamine	ND	20	10	09/15/2016 17:46
N-Nitrosodi-n-propylamine	ND	20	10	09/15/2016 17:46
Pentachlorophenol	ND	100	10	09/15/2016 17:46
Phenanthrene	ND	20	10	09/15/2016 17:46
Phenol	ND	20	10	09/15/2016 17:46
Pyrene	ND	20	10	09/15/2016 17:46
1,2,4-Trichlorobenzene	ND	20	10	09/15/2016 17:46
2,4,5-Trichlorophenol	ND	20	10	09/15/2016 17:46
2,4,6-Trichlorophenol	ND	20	10	09/15/2016 17:46

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Analytical Report

Client:	ERAS Environmental, Inc.	**WorkOrder:**	1609652
Date Received:	9/15/16 14:15	**Extraction Method:**	SW3550B
Date Prepared:	9/15/16	**Analytical Method:**	SW8270C
Project:	14-002; 3037 Adeline St, Oakland	**Unit:**	mg/Kg

Semi-Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SS-1,2,3,4	**1609652-001A**	**Soil**	**09/15/2016 11:35**	**GC17**	**126630**

Analytes	Result	RL	DF	Date Analyzed
Surrogates	**REC (%)**	**Limits**		
2-Fluorophenol	94	30-130		09/15/2016 17:46
Phenol-d5	74	30-130		09/15/2016 17:46
Nitrobenzene-d5	86	30-130		09/15/2016 17:46
2-Fluorobiphenyl	65	30-130		09/15/2016 17:46
2,4,6-Tribromophenol	51	16-130		09/15/2016 17:46
4-Terphenyl-d14	56	30-130		09/15/2016 17:46

Analyst(s): REB Analytical Comments: a3,a4

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Analytical Report

Client:	ERAS Environmental, Inc.	**WorkOrder:**	1609652
Date Received:	9/15/16 14:15	**Extraction Method:**	SW3050B
Date Prepared:	9/15/16	**Analytical Method:**	SW6020
Project:	14-002; 3037 Adeline St, Oakland	**Unit:**	mg/Kg

CAM / CCR 17 Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SS-1,2,3,4	**1609652-001A**	**Soil**	**09/15/2016 11:35**	**ICP-MS2**	**126611**

Analytes	Result	RL	DF	Date Analyzed
Antimony	**4.9**	0.50	1	09/16/2016 10:09
Arsenic	**6.1**	0.50	1	09/16/2016 10:09
Barium	**160**	5.0	1	09/16/2016 10:09
Beryllium	ND	0.50	1	09/16/2016 10:09
Cadmium	**1.5**	0.25	1	09/16/2016 10:09
Chromium	**35**	0.50	1	09/16/2016 10:09
Cobalt	**8.4**	0.50	1	09/16/2016 10:09
Copper	**2300**	5.0	10	09/16/2016 12:48
Lead	**400**	0.50	1	09/16/2016 10:09
Mercury	**0.11**	0.050	1	09/16/2016 10:09
Molybdenum	**0.75**	0.50	1	09/16/2016 10:09
Nickel	**37**	0.50	1	09/16/2016 10:09
Selenium	ND	0.50	1	09/16/2016 10:09
Silver	ND	0.50	1	09/16/2016 10:09
Thallium	ND	0.50	1	09/16/2016 10:09
Vanadium	**38**	0.50	1	09/16/2016 10:09
Zinc	**1400**	5.0	1	09/16/2016 10:09

Surrogates	REC (%)	Limits	
Terbium	111	70-130	09/16/2016 10:09

Analyst(s): DVH

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Analytical Report

Client:	ERAS Environmental, Inc.	**WorkOrder:**	1609652
Date Received:	9/15/16 14:15	**Extraction Method:**	SW5030B
Date Prepared:	9/15/16	**Analytical Method:**	SW8021B/8015Bm
Project:	14-002; 3037 Adeline St, Oakland	**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
SS-1,2,3,4	**1609652-001A**	**Soil**	**09/15/2016 11:35**	**GC19**	**126600**

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	**120**	100	100	09/16/2016 09:01
MTBE	**---**	5.0	100	09/16/2016 09:01
Benzene	**---**	0.50	100	09/16/2016 09:01
Toluene	**---**	0.50	100	09/16/2016 09:01
Ethylbenzene	**---**	0.50	100	09/16/2016 09:01
Xylenes	**---**	1.5	100	09/16/2016 09:01

Surrogates	REC (%)	Limits	
2-Fluorotoluene	95	70-130	09/16/2016 09:01

Analyst(s): IA Analytical Comments: d7

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Analytical Report

Client:	ERAS Environmental, Inc.	**WorkOrder:**	1609652
Date Received:	9/15/16 14:15	**Extraction Method:**	SW3550B
Date Prepared:	9/15/16	**Analytical Method:**	SW8015B
Project:	14-002; 3037 Adeline St, Oakland	**Unit:**	mg/Kg

Total Extractable Petroleum Hydrocarbons w/out SG Clean-Up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SS-1,2,3,4	**1609652-001A**	**Soil**	**09/15/2016 11:35**	**GC11A**	**126604**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**1100**	20	20	09/15/2016 18:40
TPH-Motor Oil (C18-C36)	**650**	100	20	09/15/2016 18:40

Surrogates	REC (%)	Limits	
C9	93	70-130	09/15/2016 18:40

Analyst(s): TK Analytical Comments: e2,e7

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Quality Control Report

Client:	ERAS Environmental, Inc.	**WorkOrder:**	1609652
Date Prepared:	9/15/16	**BatchID:**	126628
Date Analyzed:	9/15/16	**Extraction Method:**	SW5030B
Instrument:	GC10, GC18	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/kg
Project:	14-002; 3037 Adeline St, Oakland	**Sample ID:**	MB/LCS-126628

QC Summary Report for SW8260B

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Acetone	ND	-	0.10	-	-	-	-
tert-Amyl methyl ether (TAME)	ND	0.0456	0.0050	0.050	-	91	53-116
Benzene	ND	0.0489	0.0050	0.050	-	98	63-137
Bromobenzene	ND	-	0.0050	-	-	-	-
Bromochloromethane	ND	-	0.0050	-	-	-	-
Bromodichloromethane	ND	-	0.0050	-	-	-	-
Bromoform	ND	-	0.0050	-	-	-	-
Bromomethane	ND	-	0.0050	-	-	-	-
2-Butanone (MEK)	ND	-	0.020	-	-	-	-
t-Butyl alcohol (TBA)	ND	0.187	0.050	0.20	-	94	41-135
n-Butyl benzene	ND	-	0.0050	-	-	-	-
sec-Butyl benzene	ND	-	0.0050	-	-	-	-
tert-Butyl benzene	ND	-	0.0050	-	-	-	-
Carbon Disulfide	ND	-	0.0050	-	-	-	-
Carbon Tetrachloride	ND	-	0.0050	-	-	-	-
Chlorobenzene	ND	0.0501	0.0050	0.050	-	100	77-121
Chloroethane	ND	-	0.0050	-	-	-	-
Chloroform	ND	-	0.0050	-	-	-	-
Chloromethane	ND	-	0.0050	-	-	-	-
2-Chlorotoluene	ND	-	0.0050	-	-	-	-
4-Chlorotoluene	ND	-	0.0050	-	-	-	-
Dibromochloromethane	ND	-	0.0050	-	-	-	-
1,2-Dibromo-3-chloropropane	ND	-	0.0040	-	-	-	-
1,2-Dibromoethane (EDB)	ND	0.0489	0.0040	0.050	-	98	67-119
Dibromomethane	ND	-	0.0050	-	-	-	-
1,2-Dichlorobenzene	ND	-	0.0050	-	-	-	-
1,3-Dichlorobenzene	ND	-	0.0050	-	-	-	-
1,4-Dichlorobenzene	ND	-	0.0050	-	-	-	-
Dichlorodifluoromethane	ND	-	0.0050	-	-	-	-
1,1-Dichloroethane	ND	-	0.0050	-	-	-	-
1,2-Dichloroethane (1,2-DCA)	ND	0.0463	0.0040	0.050	-	93	58-135
1,1-Dichloroethene	ND	0.0464	0.0050	0.050	-	93	42-145
cis-1,2-Dichloroethene	ND	-	0.0050	-	-	-	-
trans-1,2-Dichloroethene	ND	-	0.0050	-	-	-	-
1,2-Dichloropropane	ND	-	0.0050	-	-	-	-
1,3-Dichloropropane	ND	-	0.0050	-	-	-	-
2,2-Dichloropropane	ND	-	0.0050	-	-	-	-

(Cont.)

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Quality Control Report

Client:	ERAS Environmental, Inc.	**WorkOrder:**	1609652
Date Prepared:	9/15/16	**BatchID:**	126628
Date Analyzed:	9/15/16	**Extraction Method:**	SW5030B
Instrument:	GC10, GC18	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/kg
Project:	14-002; 3037 Adeline St, Oakland	**Sample ID:**	MB/LCS-126628

QC Summary Report for SW8260B

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
1,1-Dichloropropene	ND	-	0.0050	-	-	-	-
cis-1,3-Dichloropropene	ND	-	0.0050	-	-	-	-
trans-1,3-Dichloropropene	ND	-	0.0050	-	-	-	-
Diisopropyl ether (DIPE)	ND	0.0459	0.0050	0.050	-	92	52-129
Ethylbenzene	ND	-	0.0050	-	-	-	-
Ethyl tert-butyl ether (ETBE)	ND	0.0470	0.0050	0.050	-	94	53-125
Freon 113	ND	-	0.0050	-	-	-	-
Hexachlorobutadiene	ND	-	0.0050	-	-	-	-
Hexachloroethane	ND	-	0.0050	-	-	-	-
2-Hexanone	ND	-	0.0050	-	-	-	-
Isopropylbenzene	ND	-	0.0050	-	-	-	-
4-Isopropyl toluene	ND	-	0.0050	-	-	-	-
Methyl-t-butyl ether (MTBE)	ND	0.0464	0.0050	0.050	-	93	58-122
Methylene chloride	ND	-	0.0050	-	-	-	-
4-Methyl-2-pentanone (MIBK)	ND	-	0.0050	-	-	-	-
Naphthalene	ND	-	0.0050	-	-	-	-
n-Propyl benzene	ND	-	0.0050	-	-	-	-
Styrene	ND	-	0.0050	-	-	-	-
1,1,1,2-Tetrachloroethane	ND	-	0.0050	-	-	-	-
1,1,2,2-Tetrachloroethane	ND	-	0.0050	-	-	-	-
Tetrachloroethene	ND	-	0.0050	-	-	-	-
Toluene	ND	0.0539	0.0050	0.050	-	108	76-130
1,2,3-Trichlorobenzene	ND	-	0.0050	-	-	-	-
1,2,4-Trichlorobenzene	ND	-	0.0050	-	-	-	-
1,1,1-Trichloroethane	ND	-	0.0050	-	-	-	-
1,1,2-Trichloroethane	ND	-	0.0050	-	-	-	-
Trichloroethene	ND	0.0508	0.0050	0.050	-	102	72-132
Trichlorofluoromethane	ND	-	0.0050	-	-	-	-
1,2,3-Trichloropropane	ND	-	0.0050	-	-	-	-
1,2,4-Trimethylbenzene	ND	-	0.0050	-	-	-	-
1,3,5-Trimethylbenzene	ND	-	0.0050	-	-	-	-
Vinyl Chloride	ND	-	0.0050	-	-	-	-
Xylenes, Total	ND	-	0.0050	-	-	-	-

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Quality Control Report

Client:	ERAS Environmental, Inc.	**WorkOrder:**	1609652
Date Prepared:	9/15/16	**BatchID:**	126628
Date Analyzed:	9/15/16	**Extraction Method:**	SW5030B
Instrument:	GC10, GC18	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/kg
Project:	14-002; 3037 Adeline St, Oakland	**Sample ID:**	MB/LCS-126628

QC Summary Report for SW8260B

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Surrogate Recovery							
Dibromofluoromethane	0.110	0.125		0.12	88	100	70-130
Toluene-d8	0.130	0.132		0.12	104	106	70-130
4-BFB	0.0131	0.0130		0.012	105	104	70-130
Benzene-d6	0.0851	0.0973		0.10	85	97	60-140
Ethylbenzene-d10	0.102	0.123		0.10	102	123	60-140
1,2-DCB-d4	0.0761	0.0916		0.10	76	92	60-140

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Quality Control Report

Client:	ERAS Environmental, Inc.	**WorkOrder:**	1609652
Date Prepared:	9/15/16	**BatchID:**	126630
Date Analyzed:	9/15/16	**Extraction Method:**	SW3550B
Instrument:	GC17	**Analytical Method:**	SW8270C
Matrix:	Soil	**Unit:**	mg/Kg
Project:	14-002; 3037 Adeline St, Oakland	**Sample ID:**	MB/LCS-126630 1609601-001AMS/MSD

QC Summary Report for SW8270C

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Acenaphthene	ND	4.38	0.25	5	-	88	46-118
Acenaphthylene	ND	-	0.25	-	-	-	-
Acetochlor	ND	-	0.25	-	-	-	-
Anthracene	ND	-	0.25	-	-	-	-
Benzidine	ND	-	1.3	-	-	-	-
Benzo (a) anthracene	ND	-	0.25	-	-	-	-
Benzo (a) pyrene	ND	-	0.25	-	-	-	-
Benzo (b) fluoranthene	ND	-	0.25	-	-	-	-
Benzo (g,h,i) perylene	ND	-	0.25	-	-	-	-
Benzo (k) fluoranthene	ND	-	0.25	-	-	-	-
Benzyl Alcohol	ND	-	1.3	-	-	-	-
1,1-Biphenyl	ND	-	0.25	-	-	-	-
Bis (2-chloroethoxy) Methane	ND	-	0.25	-	-	-	-
Bis (2-chloroethyl) Ether	ND	-	0.25	-	-	-	-
Bis (2-chloroisopropyl) Ether	ND	-	0.25	-	-	-	-
Bis (2-ethylhexyl) Adipate	ND	-	0.25	-	-	-	-
Bis (2-ethylhexyl) Phthalate	ND	-	0.25	-	-	-	-
4-Bromophenyl Phenyl Ether	ND	-	0.25	-	-	-	-
Butylbenzyl Phthalate	ND	-	0.25	-	-	-	-
4-Chloroaniline	ND	-	0.50	-	-	-	-
4-Chloro-3-methylphenol	ND	4.99	0.25	5	-	100	49-123
2-Chloronaphthalene	ND	-	0.25	-	-	-	-
2-Chlorophenol	ND	4.72	0.25	5	-	94	55-116
4-Chlorophenyl Phenyl Ether	ND	-	0.25	-	-	-	-
Chrysene	ND	-	0.25	-	-	-	-
Dibenzo (a,h) anthracene	ND	-	0.25	-	-	-	-
Dibenzofuran	ND	-	0.25	-	-	-	-
Di-n-butyl Phthalate	ND	-	0.25	-	-	-	-
1,2-Dichlorobenzene	ND	-	0.25	-	-	-	-
1,3-Dichlorobenzene	ND	-	0.25	-	-	-	-
1,4-Dichlorobenzene	ND	4.05	0.25	5	-	81	50-102
3,3-Dichlorobenzidine	ND	-	0.50	-	-	-	-
2,4-Dichlorophenol	ND	-	0.25	-	-	-	-
Diethyl Phthalate	ND	-	0.25	-	-	-	-
2,4-Dimethylphenol	ND	-	0.25	-	-	-	-
Dimethyl Phthalate	ND	-	0.25	-	-	-	-
4,6-Dinitro-2-methylphenol	ND	-	1.3	-	-	-	-

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Quality Control Report

Client:	ERAS Environmental, Inc.	**WorkOrder:**	1609652
Date Prepared:	9/15/16	**BatchID:**	126630
Date Analyzed:	9/15/16	**Extraction Method:**	SW3550B
Instrument:	GC17	**Analytical Method:**	SW8270C
Matrix:	Soil	**Unit:**	mg/Kg
Project:	14-002; 3037 Adeline St, Oakland	**Sample ID:**	MB/LCS-126630 1609601-001AMS/MSD

QC Summary Report for SW8270C

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
2,4-Dinitrophenol	ND	-	6.3	-	-	-	-
2,4-Dinitrotoluene	ND	4.73	0.25	5	-	94	47-117
2,6-Dinitrotoluene	ND	-	0.25	-	-	-	-
Di-n-octyl Phthalate	ND	-	0.50	-	-	-	-
1,2-Diphenylhydrazine	ND	-	0.25	-	-	-	-
Fluoranthene	ND	-	0.25	-	-	-	-
Fluorene	ND	-	0.25	-	-	-	-
Hexachlorobenzene	ND	-	0.25	-	-	-	-
Hexachlorobutadiene	ND	-	0.25	-	-	-	-
Hexachlorocyclopentadiene	ND	-	1.3	-	-	-	-
Hexachloroethane	ND	-	0.25	-	-	-	-
Indeno (1,2,3-cd) pyrene	ND	-	0.25	-	-	-	-
Isophorone	ND	-	0.25	-	-	-	-
2-Methylnaphthalene	ND	-	0.25	-	-	-	-
2-Methylphenol (o-Cresol)	ND	-	0.25	-	-	-	-
3 & 4-Methylphenol (m,p-Cresol)	ND	-	0.25	-	-	-	-
Naphthalene	ND	-	0.25	-	-	-	-
2-Nitroaniline	ND	-	1.3	-	-	-	-
3-Nitroaniline	ND	-	1.3	-	-	-	-
4-Nitroaniline	ND	-	1.3	-	-	-	-
Nitrobenzene	ND	-	0.25	-	-	-	-
2-Nitrophenol	ND	-	1.3	-	-	-	-
4-Nitrophenol	ND	3.80	1.3	5	-	76	40-102
N-Nitrosodiphenylamine	ND	-	0.25	-	-	-	-
N-Nitrosodi-n-propylamine	ND	4.63	0.25	5	-	93	47-108
Pentachlorophenol	ND	4.52	1.3	5	-	90	39-134
Phenanthrene	ND	-	0.25	-	-	-	-
Phenol	ND	4.45	0.25	5	-	89	49-107
Pyrene	ND	4.89	0.25	5	-	98	55-124
1,2,4-Trichlorobenzene	ND	4.67	0.25	5	-	93	51-121
2,4,5-Trichlorophenol	ND	-	0.25	-	-	-	-
2,4,6-Trichlorophenol	ND	-	0.25	-	-	-	-

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Quality Control Report

Client:	ERAS Environmental, Inc.	**WorkOrder:**	1609652
Date Prepared:	9/15/16	**BatchID:**	126630
Date Analyzed:	9/15/16	**Extraction Method:**	SW3550B
Instrument:	GC17	**Analytical Method:**	SW8270C
Matrix:	Soil	**Unit:**	mg/Kg
Project:	14-002; 3037 Adeline St, Oakland	**Sample ID:**	MB/LCS-126630 1609601-001AMS/MSD

QC Summary Report for SW8270C

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Surrogate Recovery							
2-Fluorophenol	5.10	5.08		5	102	102	47-125
Phenol-d5	4.85	4.88		5	97	98	45-117
Nitrobenzene-d5	4.57	4.93		5	91	99	39-121
2-Fluorobiphenyl	4.07	4.44		5	81	89	35-120
2,4,6-Tribromophenol	4.44	4.61		5	89	92	32-111
4-Terphenyl-d14	4.22	4.68		5	84	94	32-128

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
Acenaphthene	NR	NR		ND<100	NR	NR	-	NR	
4-Chloro-3-methylphenol	NR	NR		ND<100	NR	NR	-	NR	
2-Chlorophenol	NR	NR		ND<100	NR	NR	-	NR	
1,4-Dichlorobenzene	NR	NR		ND<100	NR	NR	-	NR	
2,4-Dinitrotoluene	NR	NR		ND<100	NR	NR	-	NR	
4-Nitrophenol	NR	NR		ND<520	NR	NR	-	NR	
N-Nitrosodi-n-propylamine	NR	NR		ND<100	NR	NR	-	NR	
Pentachlorophenol	NR	NR		ND<520	NR	NR	-	NR	
Phenol	NR	NR		ND<100	NR	NR	-	NR	
Pyrene	NR	NR		ND<100	NR	NR	-	NR	
1,2,4-Trichlorobenzene	NR	NR		ND<100	NR	NR	-	NR	
Surrogate Recovery									
2-Fluorophenol	NR	NR			NR	NR	-	NR	
Phenol-d5	NR	NR			NR	NR	-	NR	
Nitrobenzene-d5	NR	NR			NR	NR	-	NR	
2-Fluorobiphenyl	NR	NR			NR	NR	-	NR	
2,4,6-Tribromophenol	NR	NR			NR	NR	-	NR	
4-Terphenyl-d14	NR	NR			NR	NR	-	NR	

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Quality Control Report

Client:	ERAS Environmental, Inc.	**WorkOrder:**	1609652
Date Prepared:	9/14/16	**BatchID:**	126611
Date Analyzed:	9/15/16	**Extraction Method:**	SW3050B
Instrument:	ICP-MS1	**Analytical Method:**	SW6020
Matrix:	Soil	**Unit:**	mg/Kg
Project:	14-002; 3037 Adeline St, Oakland	**Sample ID:**	MB/LCS-126611 1609551-001AMS/MSD

QC Summary Report for Metals

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Antimony	ND	50.7	0.50	50	-	101	75-125
Arsenic	ND	51.1	0.50	50	-	102	75-125
Barium	ND	516	5.0	500	-	103	75-125
Beryllium	ND	50.4	0.50	50	-	101	75-125
Cadmium	ND	50.7	0.25	50	-	101	75-125
Chromium	ND	52.2	0.50	50	-	104	75-125
Cobalt	ND	51.6	0.50	50	-	103	75-125
Copper	ND	51.8	0.50	50	-	104	75-125
Lead	ND	51.9	0.50	50	-	104	75-125
Mercury	ND	1.26	0.050	1.25	-	101	75-125
Molybdenum	ND	49.0	0.50	50	-	98	75-125
Nickel	ND	51.3	0.50	50	-	103	75-125
Selenium	ND	52.0	0.50	50	-	104	75-125
Silver	ND	47.4	0.50	50	-	95	75-125
Thallium	ND	48.7	0.50	50	-	97	75-125
Vanadium	ND	51.6	0.50	50	-	103	75-125
Zinc	ND	514	5.0	500	-	103	75-125
Surrogate Recovery							
Terbium	530	520		500	106	104	70-130

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Quality Control Report

Client:	ERAS Environmental, Inc.	**WorkOrder:**	1609652
Date Prepared:	9/14/16	**BatchID:**	126611
Date Analyzed:	9/15/16	**Extraction Method:**	SW3050B
Instrument:	ICP-MS1	**Analytical Method:**	SW6020
Matrix:	Soil	**Unit:**	mg/Kg
Project:	14-002; 3037 Adeline St, Oakland	**Sample ID:**	MB/LCS-126611 1609551-001AMS/MSD

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	50.5	53.7	50	0.68	100	106	75-125	6.08	20
Arsenic	53.4	58.5	50	9.8	87	97	75-125	9.07	20
Barium	634	660	500	98	107	112	75-125	3.94	20
Beryllium	45.8	48.4	50	0.53	91	96	75-125	5.39	20
Cadmium	49.3	52.4	50	ND	98	104	75-125	6.10	20
Chromium	87.6	96.7	50	50	76	94	75-125	9.88	20
Cobalt	57.5	61.5	50	13	89	97	75-125	6.71	20
Copper	68.6	71.3	50	23	91	97	75-125	3.87	20
Lead	69.4	71.4	50	28	83	87	75-125	2.77	20
Mercury	1.36	1.45	1.25	0.15	97	104	75-125	6.84	20
Molybdenum	49.7	52.7	50	0.86	98	104	75-125	5.78	20
Nickel	82.8	89.8	50	44	77	91	75-125	8.07	20
Selenium	49.5	52.6	50	ND	98	105	75-125	6.13	20
Silver	45.9	49.5	50	ND	92	99	75-125	7.48	20
Thallium	47.3	50.6	50	ND	95	101	75-125	6.86	20
Vanadium	104	113	50	67	73,F10	92	75-125	8.76	20
Zinc	545	583	500	84	92	100	75-125	6.81	20
Surrogate Recovery									
Terbium	534	565	500		107	113	70-130	5.64	20

Analyte	DLT Result	DLTRef Val	%D	%D Limit
Antimony	ND<2.5	0.68	-	-
Arsenic	9.61	9.8	1.94	-
Barium	100	98	2.04	-
Beryllium	ND<2.5	0.53	-	-
Cadmium	ND<1.2	ND	-	-
Chromium	54.4	50	8.80	20
Cobalt	14.1	13	8.46	20
Copper	23.7	23	3.04	20
Lead	28.0	28	0	20
Mercury	ND<0.25	0.15	-	-
Molybdenum	ND<2.5	0.86	-	-
Nickel	45.2	44	2.73	20
Selenium	ND<2.5	ND	-	-

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Quality Control Report

Client:	ERAS Environmental, Inc.	**WorkOrder:**	1609652
Date Prepared:	9/14/16	**BatchID:**	126611
Date Analyzed:	9/15/16	**Extraction Method:**	SW3050B
Instrument:	ICP-MS1	**Analytical Method:**	SW6020
Matrix:	Soil	**Unit:**	mg/Kg
Project:	14-002; 3037 Adeline St, Oakland	**Sample ID:**	MB/LCS-126611 1609551-001AMS/MSD

QC Summary Report for Metals

Analyte	DLT Result	DLTRef Val	%D	%D Limit
Silver	ND<2.5	ND	-	-
Thallium	ND<2.5	ND	-	-
Vanadium	71.3	67	6.42	20
Zinc	89.7	84	6.79	-

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

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Quality Control Report

Client:	ERAS Environmental, Inc.	**WorkOrder:**	1609652
Date Prepared:	9/14/16	**BatchID:**	126600
Date Analyzed:	9/15/16	**Extraction Method:**	SW5030B
Instrument:	GC19, GC3	**Analytical Method:**	SW8021B/8015Bm
Matrix:	Soil	**Unit:**	mg/Kg
Project:	14-002; 3037 Adeline St, Oakland	**Sample ID:**	MB/LCS-126600 1609606-001AMS/MSD

QC Summary Report for SW8021B/8015Bm

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
TPH(btex)	ND	0.636	0.40	0.60	-	106	70-130
MTBE	ND	0.0883	0.050	0.10	-	88	70-130
Benzene	ND	0.0961	0.0050	0.10	-	96	70-130
Toluene	ND	0.105	0.0050	0.10	-	105	70-130
Ethylbenzene	ND	0.110	0.0050	0.10	-	110	70-130
Xylenes	ND	0.342	0.015	0.30	-	114	70-130
Surrogate Recovery							
2-Fluorotoluene	0.110	0.105		0.10	110	105	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		ND	NR	NR	-	NR	
MTBE	NR	NR		ND	NR	NR	-	NR	
Benzene	NR	NR		ND	NR	NR	-	NR	
Toluene	NR	NR		ND	NR	NR	-	NR	
Ethylbenzene	NR	NR		0.0083	NR	NR	-	NR	
Xylenes	NR	NR		0.068	NR	NR	-	NR	
Surrogate Recovery									
2-Fluorotoluene	NR	NR			NR	NR	-	NR	

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Quality Control Report

Client:	ERAS Environmental, Inc.	**WorkOrder:**	1609652
Date Prepared:	9/14/16	**BatchID:**	126604
Date Analyzed:	9/15/16	**Extraction Method:**	SW3550B
Instrument:	GC6A	**Analytical Method:**	SW8015B
Matrix:	Soil	**Unit:**	mg/Kg
Project:	14-002; 3037 Adeline St, Oakland	**Sample ID:**	MB/LCS-126604 1609611-002AMS/MSD

QC Report for SW8015B w/out SG Clean-Up

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
TPH-Diesel (C10-C23)	ND	43.6	1.0	40	-	109	70-130
TPH-Motor Oil (C18-C36)	ND	-	5.0	-	-	-	-
Surrogate Recovery							
C9	22.8	22.6		25	91	90	70-130

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		4900	NR	NR	-	NR	
Surrogate Recovery									
C9	NR	NR			NR	NR	-	NR	

NELAP 4033ORELAP

QA/QC Officer

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 1609652 **ClientCode: ERAS**

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Report to:
Dave Siegel
ERAS Environmental, Inc.
1533 B Street
Hayward, CA 94541
(510) 247-9885 FAX: (510) 886-5399

Email: info@eras.biz
cc/3rd Party:
PO:
ProjectNo: 14-002; 3037 Adeline St, Oakland

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

Requested TAT: **1 day;**

Date Received: **09/15/2016**
Date Logged: **09/15/2016**

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
1609652-001	SS-1,2,3,4	Soil	9/15/2016 11:35	☐	A	A	A	A	A							

Test Legend:

1	8260B_S	2	8270_S	3	CAM17MS_TTLC_S	4	G-MBTEX_S
5	TPH(DMO)_S	6		7		8	
9		10		11		12	

Prepared by: Agustina Venegas

The following SampID: 001A contains testgroup Multi Range_S.

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.

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Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

WORK ORDER SUMMARY

Client Name: ERAS ENVIRONMENTAL, INC. **Project:** 14-002; 3037 Adeline St, Oakland **Work Order:** 1609652
Client Contact: Dave Siegel **QC Level:** LEVEL 2
Contact's Email: info@eras.biz **Comments:** **Date Logged:** 9/15/2016

☐ 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
1609652-001A	SS-1,2,3,4	Soil	Multi-Range TPH(g,d,mo) by EPA 8015Bm	1	Acetate Liner	☐	9/15/2016 11:35	1 day		☐	
			SW6020 (CAM 17)			☐		1 day		☐	
			SW8270C (SVOCs)			☐		1 day		☐	
			SW8260B (VOCs)			☐		1 day		☐	

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.

RUSH

CHAIN OF CUSTODY FORM

11e0916452

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

Turnaround Time:	Rush	X 24Hr	48 Hr	72 Hr	5 Day
Geotracker:	PDF	Excel	Write On (DW		

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
Project location 3037 Adeline St, Oakland
Sampler: David Siegel

Sample ID	Location/Field Point Name	Sampling Date	Sampling Time	# of Containers	Container Type	Matrix: Soil	Matrix: Water	Matrix: Waste	Matrix:	Preservative: HCL	Preservative: H2SO4	Preservative: HNO3	Preservative: ICE	Preservative: None	Analysis Requested: TPH-gro	TPH-dro/TPH-oro	VOCs by 8260	SVOCs by 8270	CAM 17 Metals	Other	Comments
	SS-1	9/15/2016	1104	1	P	x							x		x	x	x	x	x		
	SS-2	9/15/2016	1106	1	P	x							x		x	x	x	x	x		
	SS-3	9/15/2016	1131	1	P	x							x		x	x	x	x	x		
	SS-4	9/15/2016	1135	1	P	x							x		x	x	x	x	x		

} Composite into one sample for analysis

RELINQUISHED BY: **RECEIVED BY:**

Relinquished by: Matt	Date: 9/15/16	Time: 2:23 P.M.	Received by: Christina V.	
Relinquished by:	Date:	Time:	Received by:	
Relinquished by:	Date:	Time:	Received by:	

ICE/t°	11°				Comments: Please PDF
Condition					
Head space absent					
Dechlorinated in lab					
Appropriate containers					
Preserved in Lab					
	VOA's	O&G	Metals	Other	
Preservation			pH<2		

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Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Sample Receipt Checklist

Client Name: **ERAS Environmental, Inc.**
Project Name: **14-002; 3037 Adeline St, Oakland**

WorkOrder №: **1609652** Matrix: Soil
Carrier: Client Drop-In

Date and Time Received: **9/15/2016 14:15**
Date Logged: **9/15/2016**
Received by: Agustina Venegas
Logged by: Agustina Venegas

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: 11°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:

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: CAC 002 882 776
2. Page 1 of: 1
3. Emergency Response Phone: 800-424-9300
4. Manifest Tracking Number: 009142755 JJK

GENERATOR

5. Generator's Name and Mailing Address
Adeline Scenic Properties LLC Attn: John Murray
1196 32nd Street, Oakland, CA 94608
Generator's Phone: 510-594-2080

Generator's Site Address (if different than mailing address)
3037 Adeline Street
Oakland, CA

6. Transporter 1 Company Name: Integrated Wastestream Management, Inc.
U.S. EPA ID Number: CAD 983 653 627

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Chemical Waste Management, Inc.
35251 Old Skyline Road, Kettleman Hills, CA 93239
800-222-2964
Facility's Phone:
U.S. EPA ID Number: CAT 000 646 117

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
	1. Non-RCRA Hazardous Waste Solid (Soil/Debris with Trace Metals)	1	DT	Est. 20	Y	181		
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
Wear appropriate safety gear when handling. IWM Job #: 100442-HZ KHF418
Profile #: 9b.1. CA611485 (Soil/Debris with Trace Metals)
24 Hour Emergency 408-813-9428
9E77015 / 4HK2646

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: CLINTON STOCKTON
Signature:
Month: 10 Day: 28 Year: 16

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: SCOTT DUNDON
Signature:
Month: 10 Day: 28 Year: 16
Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H132			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Ramona R. Cerveny
Signature:
Month: 10 Day: 29 Year: 16

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

TRANSPORTER'S COPY

	TIME	DATE	WEIGHT (LB)
GROSS:	13:04	10-28-16	65680 lb 32.84 ton
TARE:	15:13	10-28-16	28760lbs
NET:			LB

COMMODITY: HAZARDOUS WASTE

DEPUTY WEIGHTMASTER

YARDAGE: 20

CHEMICAL WASTE MANAGEMENT, INC.
WEIGHTMASTER weighed at
35251 Old Skyline Road
Kettleman City, CA

NO: 304452

WEIGHTMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

GENERATOR	MANIFEST	PROFILE	SAMPLE TIME
Adeline	009142755 JJM	C1611485	OCT28 16 12:58
TRACTOR LICENSE #	**TRAILER LICENSE NO.**	**BIN #**	**RECEIPT #**
9E77015	1HKZ646		840719
SAMPLE #	NO SAMPLE PER WAP # (CIRCLE ONE) 1 2 3 4 5 6 7 8 (9) 10		**TRANSPORTER**
			Integrated Wastestream

DRIVER: Scott G418 ✓

MANDATORY ANALYSIS

PHYSICAL STATE	SOLID	LIQUID	
APPEARANCE			
pH			
WATER MIX	ΔT	____ °F	____ SOL
FLAM POTENTIAL	NEG	POS	
CN⁻ SCREEN	NEG	POS	____ PPM
S⁻ SCREEN	NEG	POS	____ PPM
OXIDIZER SCREEN	NEG	POS	
RAD. SCREEN	BKGD	POS	
ANALYST			

SUPPLEMENTAL ANALYSIS

PAINT FILTER TEST	N/A	PASS	FAIL
VISIBLE OIL	NEG	POS	
PERCENT SOLID			
DENSITY		LB/G	
CALCULATED QTY			
LWCT	ΔT		°F
SET	ΔT		°F
> 50% DEBRIS	YES	NO	
> 60 mm	YES	NO	
< 6.75 ft.	YES	NO	
CAN MAJORITY OF WASTE BE COATED ON ALL SIDES?	YES	NO	
	INIT		

WASHOUT METER

FINISH ____

START ____

GALLONS USED

MULTIPLE LOAD # ____

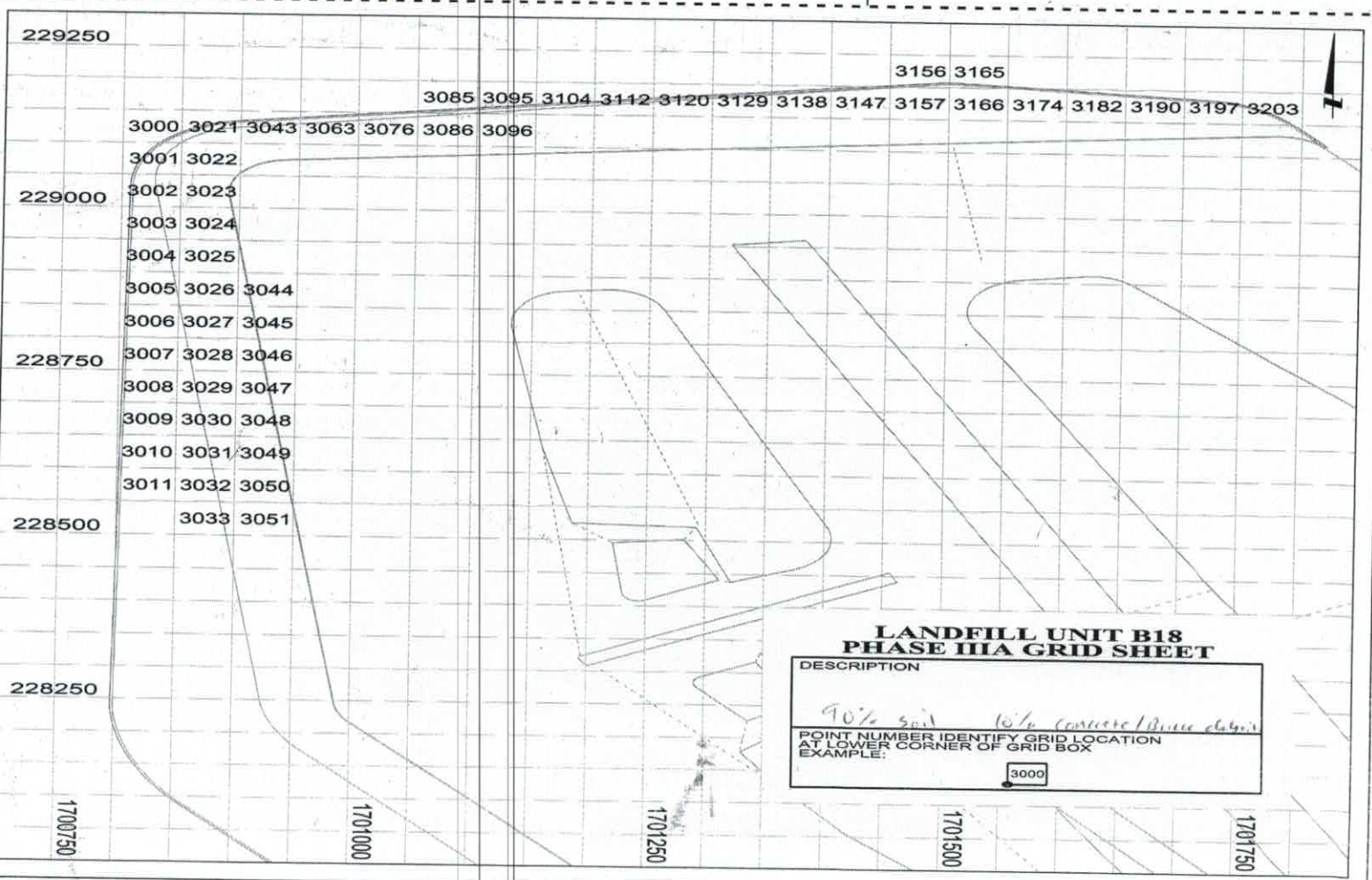
SEE MANIFEST ____

PROFILE EXPIRATION 10/17

TREATMENT CODE 3C UNIT B18

TIME OUT 15:15

REC. TECH. RPC



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12/5/2016

Mr. Ross Tinline
SVC Environmental, Inc.
11 Kenton Ave

San Carlos CA 94070

Project Name: Adeline Foundry
Project #:
Workorder #: 1611336

Dear Mr. Ross Tinline

The following report includes the data for the above referenced project for sample(s) received on 11/18/2016 at Air Toxics Ltd.

The data and associated QC analyzed by Modified TO-17 are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Eurofins Air Toxics Inc. for your air analysis needs. Eurofins Air Toxics Inc. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Rachel Selenis at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Rachel Selenis

Project Manager

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WORK ORDER #: 1611336

Work Order Summary

CLIENT:	Mr. Ross Tinline SVC Environmental, Inc. 11 Kenton Ave San Carlos, CA 94070	**BILL TO:**	Mr. Ross Tinline SVC Environmental, Inc. 11 Kenton Ave San Carlos, CA 94070
PHONE:	650-218-3766	**P.O. #**	
FAX:		**PROJECT #**	Adeline Foundry
DATE RECEIVED:	11/18/2016	**CONTACT:**	Rachel Selenis
DATE COMPLETED:	12/05/2016		

FRACTION #	NAME	TEST
01A	VENT-4	Modified TO-17
02A	VENT-11	Modified TO-17
03A	SS-1R	Modified TO-17
04A	Trip Blank	Modified TO-17
05A	Lab Blank	Modified TO-17
06A	CCV	Modified TO-17
07A	LCS	Modified TO-17
07AA	LCSD	Modified TO-17

CERTIFIED BY: Heidi Mayo DATE: 12/05/16

Technical Director

Certification numbers: AZ Licensure AZ0775, NJ NELAP - CA016, NY NELAP - 11291,
TX NELAP - T104704434-15-9, UT NELAP CA0093332015-6, VA NELAP - 8113, WA NELAP - C935
Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)
Accreditation number: CA300005, Effective date: 10/18/2015, Expiration date: 10/17/2016.
Eurofins Air Toxics Inc.. certifies that the test results contained in this report meet all requirements of the NELAC standards

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

LABORATORY NARRATIVE
EPA Method TO-17
SVC Environmental, Inc.
Workorder# 1611336

Four TO-17 Tube (Tenax-TA) samples were received on November 18, 2016. The laboratory performed the analysis via EPA Method TO-17 using GC/MS in the full scan mode. TO-17 sorbent tubes are thermally desorbed onto a secondary trap. The trap is thermally desorbed to elute the components into the GC/MS system for compound separation and detection.

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

Sampling volume was supplied by the client. A sampling volume of 0.200 L was used to convert ng to ug/m3 for sample Trip Blank and the associated Lab Blank.

Definition of Data Qualifying Flags

Eight qualifiers may have been used on the data analysis sheets and indicates as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit, LOD, or MDL value. See data page for project specific U-flag definition.

UJ- Non-detected compound associated with low bias in the CCV

N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue

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Summary of Detected Compounds
MODIFIED METHOD TO-17

Client Sample ID: VENT-4

Lab ID#: 1611336-01A

No Detections Were Found.

Client Sample ID: VENT-11

Lab ID#: 1611336-02A

No Detections Were Found.

Client Sample ID: SS-1R

Lab ID#: 1611336-03A

No Detections Were Found.

Client Sample ID: Trip Blank

Lab ID#: 1611336-04A

No Detections Were Found.

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Client Sample ID: VENT-4

Lab ID#: 1611336-01A

MODIFIED METHOD TO-17

File Name:	**18112312**	**Date of Extraction: NA**	**Date of Collection: 11/16/16 4:11:00 PM**
Dil. Factor:	**1.00**		**Date of Analysis: 11/23/16 11:57 AM**

Compound	Rpt. Limit (ng)	Rpt. Limit (ug/m3)	Amount (ng)	Amount (ug/m3)
Naphthalene	5.0	25	Not Detected	Not Detected

Air Sample Volume(L): 0.200
Container Type: TO-17 Tube (Tenax-TA)

Surrogates	%Recovery	Method Limits
Naphthalene-d8	104	50-150

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Client Sample ID: VENT-11

Lab ID#: 1611336-02A

MODIFIED METHOD TO-17

File Name:	**18112313**	**Date of Extraction: NA**	**Date of Collection: 11/16/16 4:18:00 PM**
Dil. Factor:	**1.00**		**Date of Analysis: 11/23/16 12:38 PM**

Compound	Rpt. Limit (ng)	Rpt. Limit (ug/m3)	Amount (ng)	Amount (ug/m3)
Naphthalene	5.0	25	Not Detected	Not Detected

Air Sample Volume(L): 0.200
Container Type: TO-17 Tube (Tenax-TA)

Surrogates	%Recovery	Method Limits
Naphthalene-d8	104	50-150

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Client Sample ID: SS-1R

Lab ID#: 1611336-03A

MODIFIED METHOD TO-17

File Name:	**18112314**	**Date of Extraction: NA**	**Date of Collection: 11/16/16 5:41:00 PM**
Dil. Factor:	**1.00**		**Date of Analysis: 11/23/16 01:20 PM**

Compound	Rpt. Limit (ng)	Rpt. Limit (ug/m3)	Amount (ng)	Amount (ug/m3)
Naphthalene	5.0	25	Not Detected	Not Detected

Air Sample Volume(L): 0.200
Container Type: TO-17 Tube (Tenax-TA)

Surrogates	%Recovery	Method Limits
Naphthalene-d8	106	50-150

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Client Sample ID: Trip Blank

Lab ID#: 1611336-04A

MODIFIED METHOD TO-17

File Name:	**18112311**	**Date of Extraction: NA**	**Date of Collection: 11/16/16**
Dil. Factor:	**1.00**		**Date of Analysis: 11/23/16 11:15 AM**

Compound	Rpt. Limit (ng)	Rpt. Limit (ug/m3)	Amount (ng)	Amount (ug/m3)
Naphthalene	5.0	25	Not Detected	Not Detected

Air Sample Volume(L): 0.200
Container Type: TO-17 Tube (Tenax-TA)

Surrogates	%Recovery	Method Limits
Naphthalene-d8	97	50-150

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Client Sample ID: Lab Blank

Lab ID#: 1611336-05A

MODIFIED METHOD TO-17

File Name:	**18112306**	**Date of Extraction: NA**	**Date of Collection: NA**
Dil. Factor:	**1.00**		**Date of Analysis: 11/23/16 07:15 AM**

Compound	Rpt. Limit (ng)	Rpt. Limit (ug/m3)	Amount (ng)	Amount (ug/m3)
Naphthalene	5.0	25	Not Detected	Not Detected

Air Sample Volume(L): 0.200
Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Naphthalene-d8	92	50-150

eurofins | Air Toxics

Client Sample ID: CCV
Lab ID#: 1611336-06A
MODIFIED METHOD TO-17

File Name:	**18112302**	**Date of Extraction: NA**	**Date of Collection: NA**
Dil. Factor:	**1.00**		**Date of Analysis: 11/23/16 04:30 AM**

Compound	%Recovery
Naphthalene	107

Air Sample Volume(L): 1.00
Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Naphthalene-d8	90	50-150

eurofins | Air Toxics

Client Sample ID: LCS

Lab ID#: 1611336-07A

MODIFIED METHOD TO-17

File Name:	**18112303**	**Date of Extraction: NA**	**Date of Collection: NA**
Dil. Factor:	**1.00**		**Date of Analysis: 11/23/16 05:11 AM**

Compound	%Recovery	Method Limits
Naphthalene	100	70-130

Air Sample Volume(L): 1.00

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Naphthalene-d8	96	50-150

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Client Sample ID: LCSD

Lab ID#: 1611336-07AA

MODIFIED METHOD TO-17

File Name:	**18112304**	**Date of Extraction: NA**	**Date of Collection: NA**
Dil. Factor:	**1.00**		**Date of Analysis: 11/23/16 05:52 AM**

Compound	%Recovery	Method Limits
Naphthalene	99	70-130

Air Sample Volume(L): 1.00

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Naphthalene-d8	94	50-150

Copy mailed to DTSC 11/14/16

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: CAC 002 882 776
2. Page 1 of 1
3. Emergency Response Phone: 800-424-9300
4. Manifest Tracking Number: 009142754 JJK

5. Generator's Name and Mailing Address:
Adeline Scenic Properties LLC Attn: John Murray
1196 32nd Street, Oakland, CA 94608
Generator's Phone: 510-594-2080

Generator's Site Address (if different than mailing address):
3037 Adeline Street
Oakland, CA

6. Transporter 1 Company Name: Integrated Wastestream Management, Inc. — U.S. EPA ID Number: CAD 983 653 627

7. Transporter 2 Company Name: — U.S. EPA ID Number:

8. Designated Facility Name and Site Address: Chemical Waste Management, Inc
35251 Old Skyline Road, Kettleman Hills, CA 93239
800-222-2964
Facility's Phone:
U.S. EPA ID Number: CAT 000 646 117

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
	1. Non-RCRA Hazardous Waste Solid (Soil/Debris with Trace Metals)	1	DT	Est. 20	Y	181
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
Wear appropriate safety gear when handling IWM Job #: 100442-HZ KHF418
Profile #: 9b.1. CA611485 (Soil/Debris with Trace Metals)
24 Hour Emergency 408-813-9428
9E77015 / 4HA264C

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: [signature] CLINTON STOCKTON — Signature: [signature] — Month 10 Day 27 Year 16

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Scott Dundon — Signature: [signature] — Month 10 Day 27 Year 16
Transporter 2 Printed/Typed Name: — Signature: — Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number:
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name — Signature — Month Day Year

GENERATOR / INT'L / TRANSPORTER / DESIGNATED FACILITY

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: CAC 002 882 776
2. Page 1 of: 1
3. Emergency Response Phone: 800-424-9300
4. Manifest Tracking Number: 009142754 JJK

GENERATOR

5. Generator's Name and Mailing Address
Adeline Scenic Properties LLC Attn: John Murray
1196 32nd Street, Oakland, CA 94608
Generator's Phone: 510-594-2080

Generator's Site Address (if different than mailing address)
3037 Adeline Street
Oakland, CA

6. Transporter 1 Company Name: Integrated Wastestream Management, Inc.
U.S. EPA ID Number: CAD 983 653 627

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
Chemical Waste Management, Inc.
35251 Old Skyline Road, Kettleman Hills, CA 93239
Facility's Phone: 800-222-2964
U.S. EPA ID Number: CAT 000 646 117

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
	1. Non-RCRA Hazardous Waste Solid (Soil/Debris with Trace Metals)	1	DT	Est. 20	Y	181		
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
Wear appropriate safety gear when handling. IWM Job#: 100442-HZ KHF418
Profile #: 9b.1. CA611485 (Soil/Debris with Trace Metals) 9E77015 / 4HK264E
24 Hour Emergency 408-813-9428

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: CLINTON STOCKTON
Signature:
Month: 10 Day: 27 Year: 16

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: SCOTT DURDON
Signature:
Month: 10 Day: 27 Year: 16

Transporter 2 Printed/Typed Name:
Signature:
Month: Day: Year:

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number:
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month: Day: Year:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H132 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Ramona R. Cervenka
Signature: RRC
Month: 10 Day: 27 Year: 16

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

TRANSPORTER'S COPY

TIME	DATE	WEIGHT (LB)
GROSS: 12:51	10-27-16	69380 lb 34.69 ton
TARE: 13:34	10-27-16	28640 lbs
NET:		LB

COMMODITY: HAZARDOUS WASTE

DEPUTY WEIGHTMASTER KB

YARDAGE: 20

CHEMICAL WASTE MANAGEMENT, INC.
WEIGHMASTER weighed at
35251 Old Skyline Road
Kettleman City, CA

NO: 301000

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

GENERATOR	MANIFEST	PROFILE	SAMPLE TIME
Adline	009142754 JJK	CA611485	OCT 27 16 12:43

TRACTOR LICENSE #	TRAILER LICENSE NO.	BIN #	RECEIPT #	DRIVER
9E77015	4HK2646		840623	Scott G418

SAMPLE #	NO SAMPLE PER WAP # (CIRCLE ONE)	TRANSPORTER
	1 2 3 4 5 6 7 8 (9) 10	Integrated waste

MANDATORY ANALYSIS

PHYSICAL STATE	SOLID	LIQUID	
APPEARANCE			
pH			
WATER MIX	Δ T	°F	SOL
FLAM POTENTIAL	NEG	POS	
CN⁻ SCREEN	NEG	POS	PPM
S⁼ SCREEN	NEG	POS	PPM
OXIDIZER SCREEN	NEG	POS	
RAD. SCREEN	BKGD	POS	
ANALYST			

SUPPLEMENTAL ANALYSIS

PAINT FILTER TEST	N/A	PASS	FAIL
VISIBLE OIL	NEG	POS	
PERCENT SOLID			
DENSITY		LB/G	
CALCULATED QTY			
LWCT	Δ T	°F	
SET	Δ T	°F	
> 50% DEBRIS	YES	NO	
> 60 mm	YES	NO	
< 6.75 ft.	YES	NO	
CAN MAJORITY OF WASTE BE COATED ON ALL SIDES?	YES	NO	
	INIT		

WASHOUT METER

FINISH

START

GALLONS USED

MULTIPLE LOAD #

SEE MANIFEST

PROFILE EXPIRATION 10/17

TREATMENT CODE 3C UNIT B18

TIME OUT 13:05

REC. TECH. RRC

Copy Mailed to DTSC 11/14/16 dy

ype. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
CAC 002 882 776	1	800-424-9300	009142755 JJK

GENERATOR

5. Generator's Name and Mailing Address
Adeline Scenic Properties LLC Attn: John Murray
1196 32nd Street, Oakland, CA 94608
Generator's Phone: 510-594-2080

Generator's Site Address (if different than mailing address)
3037 Adeline Street
Oakland, CA

6. Transporter 1 Company Name
Integrated Wastestream Management, Inc.
U.S. EPA ID Number: CAD 983 653 627

7. Transporter 2 Company Name
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
Chemical Waste Management, Inc.
35251 Old Skyline Road, Kettleman Hills, CA 93239
800-222-2964
Facility's Phone:
U.S. EPA ID Number: CAT 000 646 117

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	3.					
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Profile #: 9b.1. CA611485 (Soil/Debris with Trace Metals)
24 Hour Emergency 408-813-9428
9E77015/4HK2646

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Generator's/Offeror's Printed/Typed Name: CLINTON STOCKTON
Signature
Month: 10 Day: 28 Year: 16

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: SCOTT DUNDON
Signature
Month: 10 Day: 28 Year: 16

Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month Day Year

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Printed/Typed Name
Signature
Month Day Year

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

GENERATOR'S INITIAL COPY