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Environmental Risk Assessors

Supplemental Site Investigation Work Plan

Main Street Property
927 Main Street
Pleasanton, California 94566

April 6, 2016

Prepared for:
Equity Enterprises
4460 Black Avenue, Suite L
Pleasanton, CA 94566

Prepared by:
Environmental Risk Assessors
1420 East Roseville Parkway
#140-262
Roseville, CA 95661

ACEH Fuel Leak Case No. RO0003199

GeoTracker Global ID No. T10000008158

ERA Project No. 01-2016-1300-001

April 6, 2016

Ms. Anne Jurek, M.S.
Professional Technical Specialist II (Geology)
Alameda County Department of Environmental Health
1131 Harbor Bay Parkway
Alameda, CA 94502

Subject: Supplemental Site Investigation Work Plan
Main Street Property
927 Main Street
Pleasanton, California 94566
ACEH Fuel Leak Case No. RO0003199
GeoTracker Global ID No. T10000008158

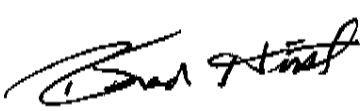
Dear Ms. Jurek:

Equity Enterprises is pleased to present the enclosed work plan, prepared by Environmental Risk Assessors, with the proposed scope of work for a soil and groundwater investigation of the property located at 927 Main Street in Pleasanton, California. This work plan is submitted pursuant to the requirements specified in the directive issued by Alameda County Department of Environmental Health (ACEH) dated December 24, 2015.

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.

Please feel free to call me at 925-484-3636 if you have any questions.

Sincerely,



Brad Hirst

Equity Enterprises
4460 Black Avenue, Suite L
Pleasanton, CA 94566
Phone: (925) 484-3636
brad@equityenterprises.net

Environmental Risk Assessors

April 6, 2016

Mr. Bradley Hirst
Equity Enterprises
4460 Black Avenue, Suite L
Pleasanton, CA 94566

SUBJECT: Supplemental Site Investigation Work Plan
Main Street Property
927 Main Street
Pleasanton, California 94566
ACEH Fuel Leak Case No. RO0003199
GeoTracker Global ID No. T10000008158
ERA Project No. 01-2016-1300-001

Dear Mr. Hirst,

The attached *Supplemental Site Investigation Work Plan* ("the Work Plan") has been prepared by Environmental Risk Assessors (ERA) on behalf of Equity Enterprises for the above-referenced property (the Site). The Work Plan was prepared in accordance with a request from the Alameda County Environmental Health Services, Environmental Protection (ACEH) as noted in their letter dated December 24, 2015. The proposed scope of work is presented in the attached work plan.

Please do not hesitate to contact me at (916) 677-9897 and via email at litafreeman@gmail.com if you have any questions or comments regarding this work plan.

Sincerely,

Environmental Risk Assessors

Lita D. Freeman

PROFESSIONAL GEOLOGIST
Lita Freeman
No: 7368
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Table of Contents

Table of Contents

Tables

Figures

Appendices

CERTIFICATIONS

Report Prepared By:

April 6, 2016

Lita D. Freeman, P.G. Date
Principal Geologist
California Professional Geologist No. 7368

* All information, conclusions, and recommendations in this document have been prepared under the supervision of and reviewed by a California Professional Geologist of Environmental Risk Assessors.

A professional geologist's certification of conditions comprises a declaration of his or her professional judgment. It does not constitute a warranty or guarantee, expressed or implied, nor does it relieve any other party of its responsibility to abide by contract documents, applicable codes, standards, regulations, and ordinances.

1. INTRODUCTION

Environmental Risk Assessors (ERA) has prepared this *Supplemental Site Investigation Work Plan* (the "Work Plan") on behalf of Equity Enterprises for the property located at 927 Main Street in Pleasanton, Alameda County, California (the "Site"; Figure 1). This Work Plan was prepared in accordance with a request from the Alameda County Environmental Health Services, Environmental Protection (ACEH) as noted in their letter dated December 24, 2015 (see Appendix A).

Background information in this Work Plan is based on information presented in Basics Environmental's (Basics Environmental) *Phase I Environmental Site Assessment* (Phase I ESA), dated December 5, 2013 (Basics Environmental 2013), and ERA's *Limited Phase II Environmental Site Assessment Report* (Limited Phase II ESA Report), dated November 27, 2015 (ERA 2015). This Work Plan is focused on investigation of petroleum hydrocarbons-impacted soil and groundwater associated with past site activities.

The Site has been listed as a case with the ACEH and the California Environmental Protection Agency (Cal-EPA), State Water Resources Control Board (SWRCB). The following identification numbers have been assigned to the Site:

- ACEH Fuel Leak Case No. RO0003199; and
- GeoTracker Global ID No. T10000008158.

1.1 Objective and Purpose

The ultimate objective for the Site is to obtain regulatory case closure. The purpose of the proposed work, as described in this Work Plan, is summarized as follows:

- Assess the source(s) of the petroleum hydrocarbons detected in soil and groundwater beneath the Site;
- Assess the lateral and vertical extent of petroleum hydrocarbons in soil;
- Assess the lateral extent of petroleum hydrocarbons in groundwater; and
- Evaluate site conditions with respect to SWRCB's *Low-Threat Underground Storage Tank Case Closure Policy* (SWRCB 2012a).

1.2 Site Description

The Site is addressed 927 Main Street in Pleasanton, Alameda County, California, and consists of one approximately 8,115-square-foot Alameda County parcel of land. The Site is currently developed with one commercial building occupied by two tenants (Figure 2). Site-specific information is presented in Table 1.

Table 1. General Site Information

Project Name: Main Street Property	**Current Development:** One 2,340-square-foot building
Address: 927 Main Street, Pleasanton, Alameda County	**Assessor Parcel Number (APN):** 946-3370-22
Location: Western side of Main Street	**Occupants:** Subway sandwiches and Hanadi Sushi restaurant

2. BACKGROUND

2.1 Site History

The Alameda County Assessor's records indicated that one large parcel, identified as Alameda County APN 946-3370-7, was split into five separate parcels in 1978. Two of the parcels were identified as Alameda County APN 946-3370-22 (927 Main Street) and 946-3370-19 (917 Main Street).

According to historical information (including the 1943 and 1953 Sanborn Fire Insurance Maps and the 1951 aerial photograph) obtained by Basics Environmental during their Phase I ESA, the Site was formerly occupied by a large rectangular building with an attached canopy prior to construction of the current on-site building. This building was addressed 40 Santa Rita Road and was used as an auto repair facility from at least the late 1930s until the late 1960s. A gas and oil facility was present at the southeastern corner of the building from the late 1930s or early 1940s to the early 1950s. No specific information on former operations (i.e., capacity of former underground storage tanks [USTs], type and locations of USTs, pump island locations, auto maintenance areas, and use of hazardous materials, etc.) was obtained by Basics Environmental from the local regulatory agency files reviewed during the Phase I ESA. In addition, no information regarding the removal of the USTs or associated sampling was contained within the local regulatory agency files reviewed by Basics Environmental.

A small rectangular building with an attached canopy was formerly located on the south adjacent property (917 Main Street), as shown in the 1951 aerial photograph and the 1953 Sanborn Fire Insurance Map. The building extended onto the southern portion of the Site. This building was addressed 40A Santa Rita Road and was used as a gas and oil facility.

The approximate footprints of the former large rectangular building (addressed 40 Santa Rita Road) and the former small rectangular building (addressed 40A Santa Rita Road) are shown on Figure 2.

2.2 Previous Investigation

A subsurface investigation was conducted in 2015 by ERA as described in ERA's Limited Phase II ESA report (ERA 2015). Two borings (SB-1 and SB-2 as shown on the *Site Plan*, Figure 2) were advanced at select on-site locations to collect soil and groundwater samples. The boring locations were selected based on available historical information and site observations, as follows:

- Boring SB-1 was placed immediately north of the on-site building and was drilled to a depth of 40 feet below ground surface (bgs);
- Boring SB-2 was placed immediately south of the on-site building and was drilled to a depth of 36 feet bgs.

Soil and groundwater samples were collected from each boring for analysis, as discussed below. Results are summarized in tables presented in ERA's Limited Phase II ESA report in Appendix B.

2.2.1 Soil Sampling

Soil samples collected from boring SB-1 (designated SB-1-5.5 from the 5.0 to 5.5 feet depth interval) and boring SB-2 (designated SB-2-2 from the 1.5 to 2 feet depth interval) were submitted for analyses as follows: total petroleum hydrocarbons (TPH) quantified as diesel (TPHd), TPH quantified as gasoline (TPHg), TPH quantified as Stoddard solvent (TPHss), volatile organic compounds (VOCs), and Leaking Underground Fuel Tank (LUFT) Manual 5 metals (cadmium, chromium, lead, nickel, and zinc).

Petroleum hydrocarbons were not detected in the soil samples at concentrations at or above their respective laboratory reporting limit with the exception of TPHd. TPHd was reported in sample SB-2-2 at a concentration of 16 milligrams per kilogram (mg/kg) (see Table 2 in ERA's Limited Phase II ESA report included in Appendix B).

VOCs were not detected in the soil samples at concentrations at or above their respective laboratory reporting limit.

Cadmium, chromium, lead, nickel, and/or zinc were detected in each of the two soil samples (Table 3 in ERA's Limited Phase II ESA report included in Appendix B). Cadmium was not detected in sample SB-1-5.5 but was detected in sample SB-2-2 at a concentration of 0.36 mg/kg. The remaining metals were detected in both samples at the following maximum concentrations: chromium (up to 260 mg/kg), lead (up to 61 mg/kg), nickel (up to 240 mg/kg), and zinc (up to 110 mg/kg).

2.2.2 Groundwater Sampling

Groundwater samples collected from each boring were submitted for analyses as follows: TPHg, TPHd, TPHss, VOCs, and LUFT 5 metals.

Petroleum hydrocarbons were not detected in the groundwater sample (designated SB-1-W) from boring SB-1 at concentrations at or above their respective laboratory reporting limit with the exception of TPHd detected at a concentration of 120 micrograms per liter (µg/L). TPHg (at a concentration of 1,400 µg/L), TPHd (at a concentration of 1,000 µg/L), and TPHss (at a concentration of 1,400 µg/L) were reported in the groundwater sample (designated SB-2-W) from boring SB-2 (Table 2 in ERA's Limited Phase II ESA report included in Appendix B).

The VOCs bromodichloromethane and chloroform were detected in sample SB-1-W and various VOCs, including ethylbenzene and xylenes, were detected in sample SB-2-W (see Table 2 in ERA's Limited Phase II ESA report included in Appendix B).

Groundwater samples were collected in unpreserved containers and filtered at the laboratory prior to metals analysis. Cadmium, lead, and zinc were not detected in the two groundwater samples (Table 3 in ERA's Limited Phase II ESA report included in Appendix B). Chromium was detected in sample SB-1-W at a concentration of 0.63 µg/L and nickel was detected in samples SB-1-W and SB-2-W at concentrations of 1.8 µg/L and 4.8 µg/L, respectively.

2.2.3 Evaluation

The concentrations of compounds of concern detected in soil samples were compared to Environmental Screening Levels (ESLs) as established by the California Environmental Protection Agency, San Francisco Bay Regional Water Quality Control Board (SFBRWQCB) for shallow soil in areas of commercial/industrial land use where groundwater is a current or potential drinking water resource as established by the SFBRWQCB (SFBRWQCB 2013a). The concentrations of compounds of concern detected in groundwater samples were compared to the ESLs for groundwater where groundwater is a current or potential drinking water resource (SFBRWQCB 2013b).

2.2.3.1 Soil Results Evaluation

Comparison of the analytical results to the ESLs for soil in areas of commercial/industrial land use (SFBRWQCB 2013a) indicate that the concentrations of detected compounds (petroleum

hydrocarbons, VOCs, and metals) were below their respective ESLs with the exception of nickel in sample SB-1-5.5 (Tables 2 and 3 in ERA's Limited Phase II ESA report included in Appendix B).

Nickel was detected in sample SB-1-5.5 at a concentration of 240 mg/kg which is above the ESL of 150 mg/kg (Table 3 in ERA's Limited Phase II ESA report included in Appendix B). Regional background levels for nickel have been reported at 55 mg/kg (Shacklette and Boerngen 1984) with the 95th and 99th percentile estimates established as 164 mg/kg and 272 mg/kg, respectively, during a Lawrence Berkeley National Laboratory study (Lawrence Berkeley National Laboratory 2009).

Native soil was observed in boring SB-1 from below the asphalt and baserock to the total depth of this boring, while what appeared to be fill material was observed in boring SB-2 from below the asphalt and baserock to a depth of approximately 20 feet bgs. The differences in chromium, lead, nickel, and zinc concentrations between soil samples SB-1-5.5 and SB-2-2 would likely be related to the composition of native soil versus fill material.

2.2.3.2 Groundwater Results Evaluation

Comparison of the analytical results to the ESLs for groundwater where groundwater is a current or potential drinking water resource (SFBRWQCB 2013b) indicated that the concentrations of TPHd (120 µg/L) in sample SB-1-W and TPHg (1,400 µg/L), TPHd (1,000 µg/L), and TPHss (1,400 µg/L) in the sample SB-2-W were above the ESL of 100 µg/L for each of these compounds (Table 2 in ERA's Limited Phase II ESA report included in Appendix B).

The VOC concentrations detected in both groundwater samples were below the ESLs for groundwater where groundwater is a current or potential drinking water resource (SFBRWQCB 2013b), as shown in Table 2 in ERA's Limited Phase II ESA report included in Appendix B.

Comparison of the analytical results for metals to the ESLs for groundwater where groundwater is a current or potential drinking water resource (SFBRWQCB 2013b) indicated that the metals concentrations reported for samples SB-1-W and SB-2-W were below their respective ESLs (Table 3 in ERA's Limited Phase II ESA report included in Appendix B).

3. PRELIMINARY CONCEPTUAL SITE MODEL

The Conceptual Site Model (CSM) documents the site hydrogeology, primary and secondary sources, chemicals of potential concern (COPCs), COPC distribution in soil and groundwater (including plume stability), potential preferential pathways, and potential exposure pathways and receptors. Based on the initial investigation during which limited analytical data were obtained, a release of petroleum hydrocarbons appears to have occurred on or near the Site. Sufficient information has not been obtained to develop an adequate CSM; however, a preliminary CSM utilizing the available information is presented below. The purpose of the preliminary CSM within this Work Plan is to help identify data gaps and to aid in the evaluation of the data collected to date. Once data gaps are addressed, the CSM will be updated.

3.1 Site Hydrogeology

Local and site-specific hydrogeologic information is presented below.

3.1.1 Local Hydrogeology

Based on available information obtained by ETIC Engineering, Inc. (ETIC) during investigations at the former Mobil-branded service station located approximately 145 feet northeast of the Site at

1024 Main Street, the geology beneath the site vicinity is characterized by clays and silts ("the clay/silt unit") to depths of approximately 35 feet bgs. The clays and silts are underlain by silty sands, gravelly sand, and sandy gravel ("the sand/gravel unit"). These coarse-grained sediments appeared to be the main water-bearing unit in the site vicinity. Some borings advanced at the former Mobil-branded service station reportedly encountered a layer of clay at a depth of approximately 50 feet bgs.

The Site is located within the Amador Sub-Basin of the Livermore Valley Groundwater Basin. Regional groundwater flow direction within this basin is reported to be southward. According to ETIC, depth to water in the groundwater monitoring wells at the former Mobil-branded service station varied depending on the screened intervals of the wells. Perched water was encountered at variable shallow depths while the depth to water in the sand/gravel unit was generally 37 to 44 feet bgs. Local groundwater flow in the sand/gravel unit was typically calculated to be in a northerly direction. Depth-to-water measurements collected by ETIC at the former Mobil-branded service station during the first quarter 2009 monitoring event indicated an east-northeast groundwater flow direction while the measurements collected during the third quarter 2009 monitoring event indicated a northward groundwater flow direction.

3.1.2 Site-Specific Hydrogeology

During ERA's subsurface investigation at the Site in 2015 (ERA 2015), native soil consisting of silt and silty clay was encountered from below the asphalt/baserock to the maximum depth explored of 40 feet bgs in boring SB-1, located north of the on-site building. Fill material was encountered in boring SB-2, located south of the on-site building. The fill material consisted of the following: 1) silt with gravel from below the asphalt/baserock to a depth of approximately 10 feet bgs; and 2) sandy gravel from a depth of approximately 10 to 20 feet bgs. Silty clay was present beneath the fill material in boring SB-2 to the maximum depth explored of 36 feet bgs. This boring was advanced in the area between two former buildings, therefore, the presence of fill material may be related to redevelopment of the Site.

Evidence of petroleum hydrocarbon-impacted soil (green-colored soil with a petroleum hydrocarbon odor) was noted by ERA's staff in boring SB-2 from a depth of 30 feet bgs to 34 feet bgs. Free groundwater was not encountered in the two borings advanced during ERA's subsurface investigation; however, moist to very moist soil was encountered at depths of approximately 28 to 34 feet bgs in ERA's borings. The interval of petroleum hydrocarbon-impacted soil corresponded to the interval of moist to very moist soil in boring SB-2 and may represent petroleum hydrocarbons migrating in groundwater.

3.2 Primary and Secondary Sources

As noted above in Section 2.1, a former on-site building was used as an auto repair facility from at least the late 1930s until the late 1960s with a gas and oil facility present from the late 1930s or early 1940s to the early 1950s. A small rectangular building, used as a gas and oil facility, extended onto the southern portion of the Site from the south adjacent property. The primary sources of petroleum hydrocarbons would likely be USTs and other storage containers associated with the gas and oil facilities. As previously indicated, the buildings were removed before construction of the current on-site building. No documentation on the removal of the USTs was obtained by Basics Environmental. Lack of such documentation has been identified as a data gap as discussed below in Section 4.

Secondary sources at the Site would be residual mass of petroleum hydrocarbons in soil and groundwater beneath the Site. Petroleum hydrocarbons have been identified in soil and groundwater beneath the Site; however, limited data is available on the extent of petroleum hydrocarbons in soil and groundwater. This data gap is discussed below in Section 4.

3.3 Chemicals of Potential Concern

Based on the historical site use and the available soil and groundwater quality data, the primary chemicals of potential concern (COPC) at the Site are petroleum hydrocarbons, specifically TPHd, TPHg, and TPHss.

3.4 Petroleum Hydrocarbon Distribution in Soil

The site investigation results indicated the presence of petroleum hydrocarbons in soil, as follows: TPHd in soil sample SB-2-2 at a concentration of 16 mg/kg which is below the applicable ESL of 110 mg/kg (SFBRWQCB 2013a).

The limited data on the extent of petroleum hydrocarbons in soil has been identified as a data gap and is discussed below in Section 4.

3.5 Petroleum Hydrocarbon Distribution in Groundwater and Plume Stability

The site investigation results indicated the presence of petroleum hydrocarbons in groundwater, as follows: TPHd detected at a concentration of 120 µg/L in the groundwater from boring SB-1, and TPHg (at a concentration of 1,400 µg/L), TPHd (at a concentration of 1,000 µg/L), and TPHss (at a concentration of 1,400 µg/L) in the groundwater sample from boring SB-2. These concentrations are above the applicable ESL of 100 µg/L for each (SFBRWQCB 2013b).

One groundwater monitoring well was installed on the western side of Main Street for the investigation at the former Mobil-branded service station (ETIC 2009). This well, designated well MW-8, was installed approximately 120 feet north of the Site and in a downgradient direction from the Site. Well MW-8 was sampled by ETIC during three events between October 1990 and July 1993. Analysis of groundwater samples collected during the initial event in October 1990 revealed TPHg at a concentration of 900 µg/L, benzene at 3 µg/L, toluene at 5 µg/L, ethylbenzene at 7 µg/L, and xylenes at 62 µg/L. TPHd was not detected in groundwater samples collected from well MW-8 during the initial event in October 1990. Only TPHg (at 270 µg/L) and xylenes (at 1.3 µg/L) were detected in the groundwater samples collected from well MW-8 in July 1992. Petroleum hydrocarbons were not detected in the groundwater samples collected from well MW-8 in July 1993. This well was not sampled during subsequent events.

While detailed groundwater quality data over time are unavailable, the decrease in TPHd concentrations (1,000 µg/L in SB-2 to 120 µg/L in SB-1 to non-detect in MW-8) suggest the presence of a residual, local, and stable plume in groundwater beneath the Site.

The limited data on the extent of petroleum hydrocarbons in groundwater has been identified as a data gap and is discussed below in Section 4.

3.6 Potential Preferential Pathways

Potential preferential pathways related to the migration of petroleum hydrocarbons in groundwater include backfill material associated with utilities such as sewer lines, water lines, and stormwater lines. However, groundwater beneath the Site is deeper than typical underground utilities.

Site-specific information on utility depths has not been reviewed. This data gap is discussed below in Section 4.

3.7 Potential Exposure Pathways

To the extent that use of the Site continues in the future as active restaurants, the ground surface will remain entirely covered with hardscape (building foundations, pavement, etc.) and landscaping areas. Hence, the potential for direct exposure to residual petroleum hydrocarbons in site soils would be limited to utility workers. The potential for long-term inhalation of vapors would be limited to site occupants (workers in the on-site businesses).

Since the Site is served by public utilities (rather than an on-site water-supply well) and depth to groundwater is more than 25 feet bgs, direct exposure pathways to petroleum hydrocarbons in groundwater are considered incomplete.

The limited data on potential vapor intrusion risk has been identified as a data gap and is discussed below in Section 4.

4. POTENTIAL DATA GAPS

Based on a review of available data and the preliminary CSM for the site, the potential data gaps identified include the following:

- Documentation on the removal of the USTs has not been obtained. Review of site development records (demolition records, geotechnical investigations, etc.) will be conducted in an attempt to address this data gap.
- The lateral and vertical extent of petroleum hydrocarbon-impacts to soil beneath the Site has not been defined. Collection and analysis of additional soil samples from the Site is proposed to address this data gap.
- The lateral extent of petroleum hydrocarbon-impacts to groundwater beneath the Site has not been defined. Collection and analysis of additional groundwater samples from the Site is proposed to address this data gap.
- Potential preferential pathways related to the migration of petroleum hydrocarbons in groundwater include backfill material associated with utilities such as sewer lines, water lines, and stormwater lines. However, groundwater beneath the Site is deeper than the typical depth for underground utility trenches. Site development records will be reviewed to address this data gap.
- Site-specific information on the locations and depths of on-site utilities will be reviewed to evaluate the potential preferential pathways and address this data gap.
- The potential for vapor intrusion from residual subsurface sources has not been assessed. Collection and analysis of soil gas samples from the Site is proposed to address this data gap.

5. PROPOSED SUPPLEMENTAL SITE INVESTIGATION ACTIVITIES

To further evaluate the current subsurface conditions and address subsurface data gaps noted in Section 4, ERA will perform a SSI. The scope of work was designed in general accordance with

the SWRCB's *Leaking Underground Fuel Tank Guidance Manual* (LUFT Manual) dated September 2012 and revised December 2015 (SWRCB 2012b).

The proposed scope of work is presented below.

5.1 Pre-Field Activities

Before field activities associated with the proposed assessment are conducted, the pre-field tasks described below will be completed.

5.1.1 Records Review

Site development records (demolition records, geotechnical investigations, etc.) will be reviewed for information on the removal of the USTs and site utilities (location, width, and depth of utility trenches).

5.1.2 Health and Safety

ERA will prepare a site-specific *Health and Safety Plan* for the scope of work as required by the Occupational Health and Safety Administration (OSHA) Standard "Hazardous Waste Operations and Emergency Response" guidelines (29 CFR 1910.120). The document will be reviewed and signed by ERA personnel and contractors performing work at the Site.

5.1.3 Permitting

ERA will obtain a soil boring permit from Zone 7 before commencing intrusive field activities. ERA will coordinate field activities with Zone 7 and schedule a Zone 7 inspector to document compliance with permit requirements.

5.2 Field Activities

5.2.1 Utility Clearance

Before subsurface work is conducted at the Site, the proposed sampling locations will be cleared for underground utilities by notifying Underground Services Alert North (USA North) at least 48 hours prior to intrusive field activities. In addition, a private utility locating contractor will clear each proposed sampling location before the start of intrusive field activities. Proposed sampling locations will be adjusted, as necessary, to maintain a distance of at least 3 feet from identified underground utilities/structures.

5.2.2 Drilling and Sampling

ERA personnel will oversee a California licensed driller using a Geoprobe direct-push drilling rig during soil gas, soil, and groundwater sampling activities. The borings will be advanced to the proposed maximum depth (5 feet bgs for soil gas sampling and 35 feet bgs for soil and groundwater sampling), boring refusal, or groundwater, whichever is shallower. The proposed sampling locations are as follows:

- Boring SB-3 will be advanced to a depth of approximately 5 feet bgs at a location immediately south of the on-site building to collect a soil gas sample to assess the potential for vapor intrusion;
- Boring SB-4 will be advanced to a depth of approximately 35 feet bgs at a location approximately 125 feet south of the on-site building to collect soil and groundwater samples to assess soil and groundwater upgradient of the Site; and

- Boring SB-5 will be advanced to a depth of approximately 5 feet bgs at a location immediately west of the on-site building to collect a soil gas sample to assess the potential for vapor intrusion and then to a depth of approximately 35 feet bgs to collect soil and groundwater samples to assess soil and groundwater crossgradient of the Site.

The proposed location of boring SB-4 is on the south adjacent property addressed 915 Main Street, therefore, it will be necessary to obtain the property owner's permission to advance this boring.

Soil gas samples will be collected in general accordance with the protocols presented in the *Advisory Active Soil Gas Investigations* prepared by the Cal-EPA DTSC, LARWQCB, and RWQCB-SFB (DTSC, LARWQCB, and SFBRWQCB 2015).

Soil gas samples will be collected from temporary soil gas probes advanced to a depth of approximately 5 feet bgs at borings SB-3 and SB-5. The soil gas probes will be placed outside the building footprint rather than inside the building because of access constraints. Concrete sidewalks and pavements extend from the perimeter of the on-site building to the soil gas sampling locations. Samples will be collected approximately 2 hours following installation of the soil gas probes. The soil gas well installation method and equilibration time will be recorded in the field log book.

Prior to purging or sampling, a shut-in test will be conducted to check for leaks in the above-ground sampling system. A leak test will be used to evaluate whether ambient air is introduced into the soil gas sample during the collection process. Helium, a gaseous tracer compound, will be used along with a shroud placed over the sampling equipment. An ambient air leak of up to 5 percent will be deemed acceptable. Purging of three purge volumes will be performed to remove stagnant air from the sampling system so that representative samples can be collected from the subsurface. Flow rates between 100 to 200 milliliters per minute (mL/min) and vacuums less than 100 inches of water will be maintained during purging and sampling to minimize stripping (partitioning of vapors from pore water to soil gas), to prevent ambient air from diluting the soil gas samples, and to reduce variability between contractors.

The soil gas samples will be collected in an evacuated 1-liter stainless steel Summa canister equipped with regulators to control sample collection flow rate. Beginning and ending vacuum readings will be recorded for each canister.

A direct-push unit will be used to drive a steel probe equipped with a hardened, reverse-threaded steel driving point into the subsurface to allow collection of soil and groundwater samples.

Soil samples will be screened in the field with a photoionization detector (PID) and observed for evidence of chemical staining. Soil samples will be collected in new acetate sleeves at depths of approximately 2 feet, 5 feet, 10 feet, 15 feet, 20 feet, and 30 feet bgs unless these depth intervals are saturated, in which case deeper soil samples will not be collected. The acetate sleeves will be cut at the above noted depths to obtain samples for submittal to the analytical laboratory.

New polyvinyl chloride (PVC) casing (with slotted casing in the lower 10 feet and blank casing from above the slotted casing to the ground surface) will be placed in the boreholes and groundwater will be allowed to flow into the casing. A sufficient quantity of groundwater will be collected in the casing to fill the laboratory-provided containers appropriate for the requested analysis. After the groundwater sampling activities are completed, the casing will be removed and the boring will be backfilled in accordance with Zone 7 requirements. ERA anticipates that the groundwater sampling activities will be completed by the end of the field day and that the boreholes will not remain open overnight.

The soil and groundwater samples will be placed on ice and transported under chain-of-custody protocols to the project laboratory.

After the sampling activities are complete, each boring will be backfilled with cement grout and bentonite and sealed at grade with asphalt or soil, as appropriate. The investigation-derived waste (IDW), including soil cuttings and rinsate, produced during sampling activities will be containerized using appropriate containers, and disposal options will be evaluated after review of analytical data.

5.3 Analysis

The samples will be analyzed on a normal 5-business-day laboratory response time by a laboratory certified by the State of California to perform the requested analyses.

Soil gas samples will be analyzed for VOCs, including 1,2-dichloroethane (EDC [or 1,2-DCA]), 1,2-dibromoethane (EDB), using U.S. Environmental Protection Agency (U.S. EPA) Method TO-15.

The soil and groundwater samples will be analyzed for the following analytes:

- TPHd using U.S. EPA Method SW8015B;
- TPHg and TPHss using U.S. EPA Method SW8015Bm; and
- VOCs, including benzene, toluene, ethylbenzene, xylenes (collectively BTEX), methyl tert-butyl ether (MTBE), tert-Butyl Alcohol (TBA), EDC (1,2-DCA), EDB, and napthalene using U.S. EPA Method 8260B/C.

The soil samples will also be analyzed for the following analytes:

- Total chromium and hexavalent chromium using U.S. EPA Method 6010B and U.S. EPA Method 7196A, respectively; and
- Nickel using U.S. EPA Method 6010B.

TPH analysis will be used as a site characterization tool to help establish the extent of petroleum hydrocarbons in the subsurface.

The lead scavengers 1,2-DCA and EDB have been included in the analytical suite because the on-site gasoline service station operated before 1992. Although the on-site gasoline service operated before addition of MTBE and TBA to gasoline, these fuel oxygenates will be analyzed for to help establish if a “newer” release could have migrated onto the Site from an off-site source.

It is assumed that the on-site gasoline service station dispensed diesel and gasoline. Therefore, the polycyclic aromatic hydrocarbon (PAH) naphthalene will be analyzed for as it is the only PAH likely to be present in diesel fuel in concentrations high enough to be a potential threat to human health or groundwater quality.

5.4 Report

The SSI Report will present a summary of the previous investigations, as appropriate, and regulatory status, the procedures and results for this investigation, figures showing sampling locations, and tables presenting analytical results compared to published screening levels. Copies of the analytical laboratory report will be included in an appendix.

The SSI Report will be uploaded to ACEH and SWRCB websites. In addition, as required by the drilling permit, a copy of the report will be submitted to Zone 7 within 60 days of permit approval.

6. SCHEDULE

Work for the SSI will begin immediately upon receipt of ACEH's approval of the SSI Work Plan. The SSI Report will be issued within 6 weeks from receipt of written authorization based on the assumption that Zone 7 approves the drilling permit application and schedules and inspector within 10 business days and the driller has availability within the requested time frame.

7. REFERENCES

Alameda County Environmental Health Services, Environmental Protection (ACEH). 2015. *Work Plan Request for Fuel Leak Case No. RO0003199 and GeoTracker Global ID T10000008158, Main Street Property, 927 Main Street, Pleasanton, CA 94566*. December 24.

Basics Environmental, Inc. 2013. *Phase I Environmental Site Assessment, 927 Main Street, Pleasanton, California.* December 5.

California Environmental Protection Agency, Department of Toxic Substances Control (DTSC), Los Angeles Regional Water Quality Control Board (LARWQCB), San Francisco Bay Regional Water Quality Control Board (SFBRWQCB). 2015. *Advisory Active Soil Gas Investigations*. July.

California Environmental Protection Agency, San Francisco Bay Regional Water Quality Control Board (SFBRWQCB). 2013a. *Environmental Screening Levels, Table A-2: Shallow Soil Screening Levels (<3m bgs) Commercial/Industrial Land Use (Groundwater is a Current or Potential Drinking Water Resource),* Interim Final. December.

-------. 2013b. *Environmental Screening Levels, Table F-1a:* Groundwater Screening Levels (groundwater is a current or potential drinking water resource), Interim Final. December.

California Environmental Protection Agency, State Water Resources Control Board (SWRCB). 2012a. *Low-Threat Underground Storage Tank Case Closure Policy*.

--------. 2012b. *Leaking Underground Fuel Tank Guidance Manual.* September. Rev. December 2015.

Environmental Risk Assessors. 2015. *Limited Phase II Environmental Site Assessment Report, Main Street Property, 927 Main Street, Pleasanton, California 94566.* November 27.

ETIC Engineering, Inc. (ETIC). 2009. Soil Vapor Sampling Work Plan, Former Mobil Station 04H6J, 1024 Main Street, Pleasanton, California. May 5.

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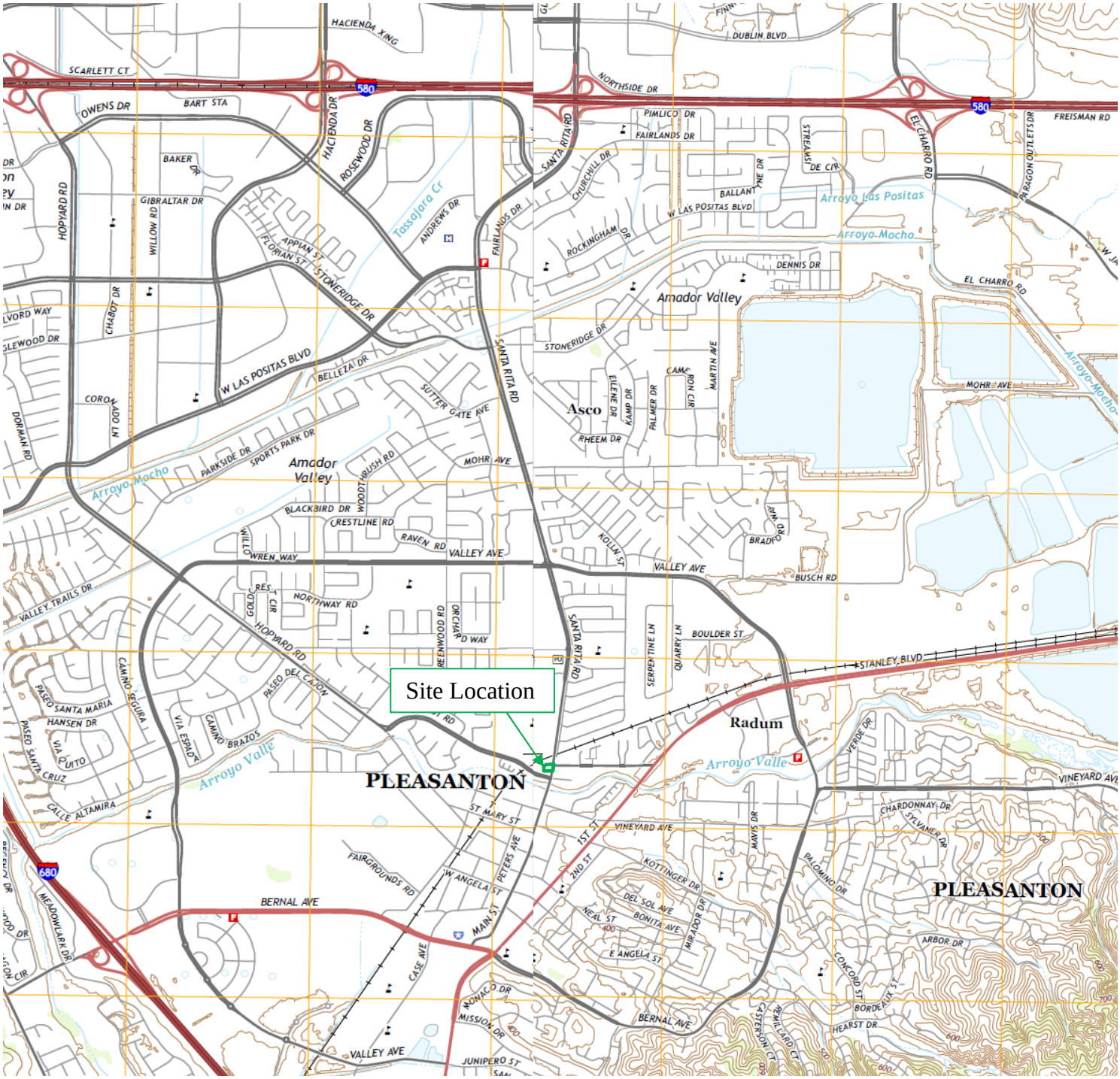
Lawrence Berkeley National Laboratory. 2009. *Analysis of Background Distributions of Metals in the Soil at Lawrence Berkeley National Laboratory*. June 2002, rev. April 2009.

Shacklette, H.T., and J.G. Boerngen. 1984. *Element Concentrations in Soils and Other Surficial Materials, Conterminous United States, U.S. Geological Survey Professional Paper 1270*.

FIGURES

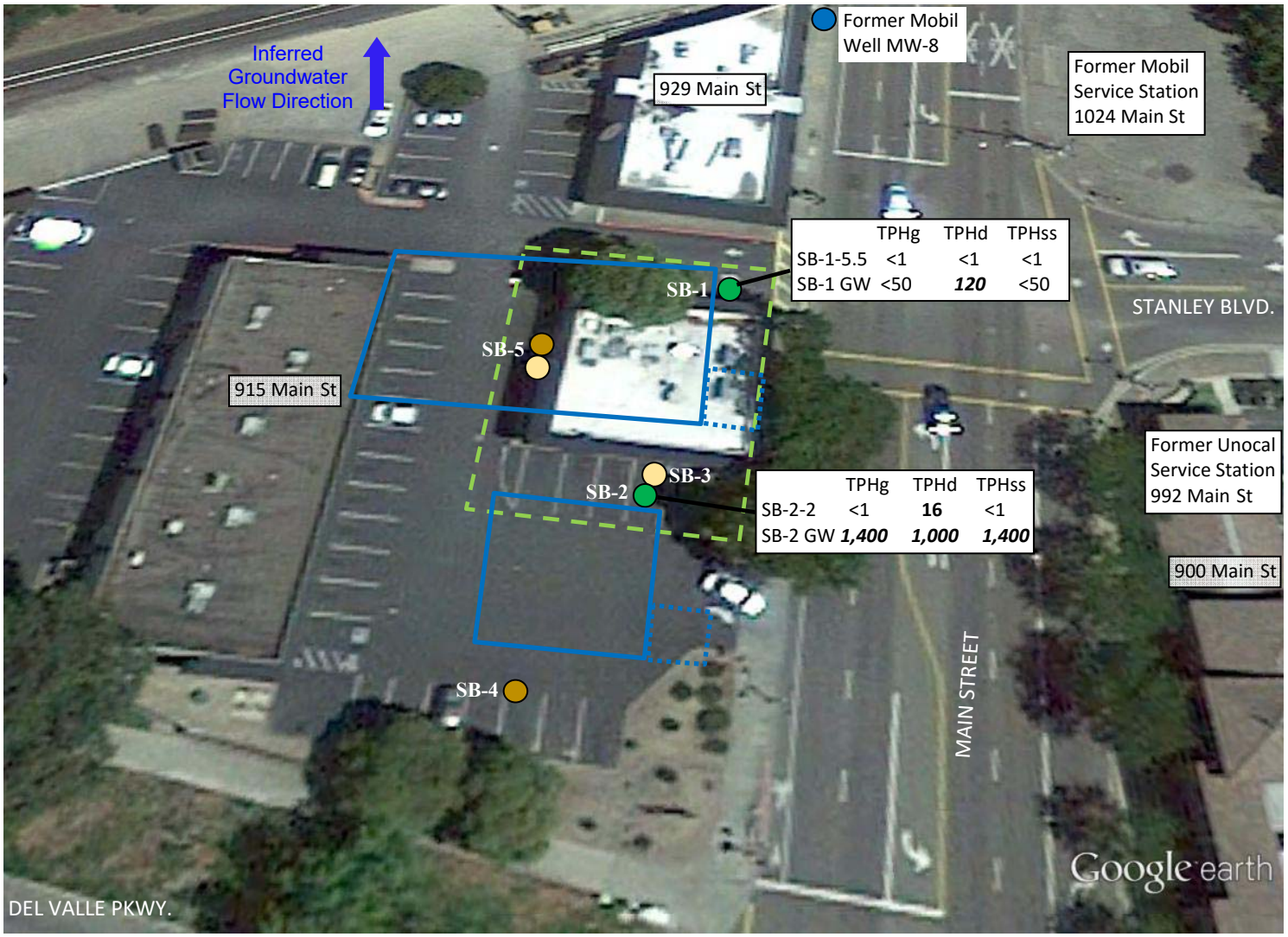


USGS Dublin and Livermore, California Quadrangle Topographic Maps, 2015

Legend

— Site (boundaries approximate)

ERA soil-water-vapor	**Site Location Map**	PN: 01-2016-1300-001
		Date: March 31, 2016
	SUPPLEMENTAL SITE INVESTIGATION	EP: Lita Freeman
	927 Main Street, Pleasanton, California	**Figure 1**



	TPHg	TPHd	TPHss
SB-1-5.5	<1	<1	<1
SB-1 GW	<50	***120***	<50

TPH = Total Petroleum Hydrocarbons
TPHg = TPH quantified as gasoline
TPHd = TPH quantified as diesel
TPHss = TPH quantified as Stoddard solvent
SB-1-5.5 = Soil sample from boring SB-1 at 5.0-5.5 depth interval
SB-1 GW = Groundwater sample from boring SB-1
<1 = Noted analyte not detected at concentration at or above stated laboratory reporting limit
120 = Noted analyte detected at stated concentration

units: soil=mg/kg/GW=µg/L
mg/kg = milligrams per kilogram
µg/L=micrograms per liter

- Property Boundary (approximate)
- Former Building Footprint (approximate)
- Former Dispenser Canopy Location (approximate)
- Sampling Location (ERA 2015)
- Proposed Soil/Groundwater Sampling Location
- Proposed Soil Gas Sampling Location

North

0 — 75
Scale (feet, approximate)

ERA soil-water-vapor	**Site Plan**	PN: 01-2016-1300-001
		Date: March 31, 2016
	SUPPLEMENTAL SITE INVESTIGATION	EP: Lita Freeman
	927 Main Street, Pleasanton, California	**Figure 2**

APPENDIX A
Alameda County Environmental
Health Letter, December 24, 2015

Nickel chromium

ALAMEDA COUNTY
HEALTH CARE SERVICES

DIRECTIVE

RECEIVED

JAN 19 2016

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

December 24, 2015

Bradley A & Sandra L Hirst, Trustees
& Bradley Hirst et al.
205 Main Street, Ste E
Pleasanton, CA 94566-4500

Paul C and Alice T Sun, Trustees
PO Box 117941
Burlingame, CA 94011-7941

Subject: Work Plan Request for Fuel Leak Case No. No. RO0003199 and GeoTracker Global ID T10000008158, Main Street Property, 927 Main Street, Pleasanton, CA 94566

Dear Bradley A & Sandra L Hirst:

Alameda County Environmental Health (ACEH) has reviewed the case file, including the December 2, 2015 report titled *"Limited Phase II Environmental Site Sampling Report"* submitted by Basics Environmental, Inc. The report documents the advancement of two borings north and south of the building that is presently at 927 Main Street, Pleasanton, CA. Total petroleum hydrocarbons as diesel (TPHd) were detected in soil at 5.0 to 5.5 feet below ground surface (bgs) at maximum concentrations of 16 milligrams per kilogram (mg/kg). TPHd and total petroleum hydrocarbons as gasoline (TPHg) and Stoddard solvent (TPHss) were detected in groundwater at maximum concentrations of 1,000 micrograms per liter (µg/L), 1,400 µg/L, and 1,400 µg/L, respectively. The detections of petroleum hydrocarbons in soil and groundwater beneath the former service station indicate that a release occurred. In addition, metals and various volatile organic compounds were detected in soil and groundwater.

ACEH has evaluated the data presented in the report. Further work is required to determine the extent of the contamination. ACEH requests the submittal of a site investigation Work Plan that is supported by a Conceptual Site Model. The Work Plan should be performed by a consultant qualified to undertake the work by the date identified below (see Attachment 1).

TECHNICAL REPORT REQUEST

Please upload the work plan to the ACEH ftp site (Attention: Anne Jurek), and to the State Water Resources Control Board's GeoTracker website according to the following schedule and file-naming convention:

- **January 25, 2016 (30 days)**– Site Investigation Work Plan
  File to be named: WP_R_yyyy-mm-dd RO3199

This report is 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.

GeoTracker Compliance – Please upload the following onto GeoTracker: environmental investigation reports for the site; the analytical data for associated investigation reports in EDF format; the boring logs associated with any investigation reports (GEO_BORE); and a site map that displays locations for all soil, water, and vapor sampling performed (GEO_MAP).

Please note, pursuant to *California Code of Regulations (CCR), Title 23, Division 3, Chapter 16, Article 12, Sections 2729 and 2729.1*, beginning September 1, 2001, all analytical data submitted in a report to a

regulatory agency as part of the UST or LUST program, must be transmitted electronically to the SWRCB GeoTracker system via the internet. Also, beginning January 1, 2002, all permanent monitoring points utilized to collect groundwater samples (i.e. monitoring wells) and submitted in a report to a regulatory agency, must be surveyed (top of casing) to mean sea level and latitude and longitude to sub-meter accuracy using NAD 83. A California licensed surveyor may be required to perform this work. Additionally, pursuant to *California Code of Regulations, Title 23, Division 3, Chapter 30, Articles 1 and 2, Sections 3893, 3894, and 3895*, beginning July 1, 2005, the successful submittal of electronic information (i.e. report in PDF format) shall replace the requirement for the submittal of a paper copy. Please claim your site and upload all future submittals to GeoTracker and ACEH's ftp server by the date specified below. Electronic reporting is described below on the attachments.

Additional information regarding the SWRCB's GeoTracker website may be obtained online at http://www.waterboards.ca.gov/water_issues/programs/ust/electronic_submittal/ and http://www.swrcb.ca.gov/ust/electronic_submittal/report_rqmts.shtml) or by contacting the GeoTracker Help Desk at geotracker@waterboards.ca.gov or (866) 480-1028.

If you have any questions, please call me at 510-567-6721 or send me an electronic mail message at anne.jurek@acgov.org. 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.

Sincerely,

Digitally signed by Anne Jurek
DN: cn=Anne Jurek, o, ou, email=anne.jurek@acgov.org, c=US
Date: 2015.12.24 16:41:16 -08'00'

Anne Jurek
Professional Technical Specialist II

Attachments: Responsible Party(ies) Legal Requirements/Obligations

Enclosure: ACEH Electronic Report Upload (ftp) Instructions

cc: Donvan Tom, Basics Environmental, Inc., 655 12th Street, Oakland, CA 94607 (*Sent via E-mail to: basicsenvironmetal@gmail.com*

Anne Jurek, ACEH (*Sent via E-mail to:* anne.jurek@acgov.org)

GeoTracker, eFile

APPENDIX B
Environmental Risk Assessor's
Limited Phase II ESA Report

Environmental Risk Assessors

Limited Phase II Environmental Site Assessment Report

Main Street Property
927 Main Street
Pleasanton, California 94566

November 27, 2015

Prepared for:
Basics Environmental, Inc.
655 12th Street, Suite 126
Oakland, CA 94607

Prepared by:
Environmental Risk Assessors
1420 East Roseville Parkway
#140-262
Roseville, CA 95661

ERA Project No. 01-2015-500-007

Environmental Risk Assessors

November 27, 2015

Mr. Donovan Tom
Basics Environmental, Inc.
655 12th Street, Suite 126
Oakland, CA 94607

SUBJECT: Limited Phase II Environmental Site Assessment
Main Street Property
927 Main Street
Pleasanton, California 94566
ERA Project No. 01-2015-500-007

Dear Mr. Tom,

Environmental Risk Assessors (ERA) is pleased to present this Limited Phase II Environmental Site Assessment (ESA) Report for the above-referenced property (the Site). Our scope of work and findings are presented in the attached report.

It has been a pleasure working with you on this project. Please do not hesitate to contact me at (916) 677-9897 and via email at litafreeman@gmail.com if you have any questions or comments regarding this assessment.

Sincerely,

Environmental Risk Assessors

Lita D. Freeman

Lita D. Freeman, PG
Professional Geologist

Table of Contents

Table of Contents

1. EXECUTIVE SUMMARY

Environmental Risk Assessors (ERA) is pleased to present this Limited Phase II Environmental Site Assessment (ESA) Report (the "Report") for the property located at 927 Main Street, Pleasanton, Alameda County, California (the "Site"; Figure 1) to Basics Environmental, Inc. (Basics Environmental). The Site is currently developed with one commercial building occupied by two restaurants (Figure 2).

1.1 Background

The Site is developed with one building occupied by a Subway sandwich shop and a Hanadi Sushi restaurant. According to information obtained by Basics Environmental, the Site was occupied by an auto repair shop from at least the late 1930s until the late 1960s. In addition, a gasoline service station was located on site from the late 1930s until at least the early 1940s/early 1950s. No specific information on former operations (i.e., capacity of former underground storage tanks [USTs], type and locations of USTs, pump island locations, auto maintenance areas, and use of hazardous materials, etc.) was obtained by Basics Environmental from the local regulatory agency files reviewed during the Phase I ESA. In addition, no information regarding the removal of the USTs or associated sampling was contained within the local regulatory agency files reviewed by Basics Environmental. The approximate footprints of the former gasoline service station building and the canopy over the fuel dispensers are shown on Figure 2.

According to information obtained by Basics Environmental from subsurface investigation reports for the Unocal Service Station located at 1024 Main Street (approximately 150 feet northeast of the Site), the depths to water in the groundwater monitoring wells installed at this service station vary depending on the screen intervals of the wells. In the clay/silt unit, the depth to water can vary but the depth to water in the sand/gravel unit is approximately 37 to 44 feet below ground surface (bgs). Depth-to-water measurements obtained from wells screened in the sand/gravel unit during the February 2009 groundwater monitoring event indicated that groundwater flow direction was to the east-northeast.

1.2 Investigation

The objective of the limited Phase II ESA was to evaluate current subsurface conditions in select on-site areas. To meet this objective, soil and groundwater samples were collected from sampling locations for analysis with comparison of the analytical results to established screening levels. The investigation consisted of the following:

- Advancing borings at two sampling locations as shown on the Site Plan, Figure 2: boring SB-1 was advanced to a depth of 40 feet bgs immediately north of the building and boring SB-2 was advanced to a depth of 36 feet bgs immediately south of the building;
- Collecting soil samples from each boring;
- Collecting groundwater samples from each boring;
- Submitting soil and groundwater samples for total petroleum hydrocarbons (TPH) quantified as gasoline (TPHg), TPH quantified as diesel (TPHd), and TPH quantified as Stoddard solvent (TPHss); volatile organic compounds (VOCs); and Leaking Underground Fuel Tank (LUFT) Manual 5 metals (cadmium, chromium, lead, nickel, and zinc) analysis; and
- Preparing this report presenting the results of the Limited Phase II ESA.

1.3 Findings

Petroleum hydrocarbons were not detected in the two soil samples analyzed with the exception of TPHd detected in sample SB-2-2. The concentration of TPHd (16 milligrams per kilogram [mg/kg]) in sample SB-2-2 was below the ESL (110 mg/kg) for soil at commercial/industrial land use (SFBRWQCB 2013a).

Petroleum hydrocarbons were detected in the groundwater sample from each boring: TPHd was reported in sample SB-1-W at a concentration of 120 micrograms per liter (µg/L), and TPHg (1,400 µg/L), TPHd (1,000 µg/L), and TPHss (1,400 µg/L) were reported in the groundwater sample SB-2-W. These concentrations are above the Environmental Screening Level (ESL) of 100 µg/L for each petroleum hydrocarbon as established by the California Environmental Protection Agency, San Francisco Bay Regional Water Quality Control Board for groundwater that is a current or potential drinking water resource (SFBRWQCB 2013b).

VOCs were not detected in either soil sample at concentrations at or above their respective laboratory reporting limit and were not detected in either groundwater sample at concentrations above the applicable ESLs (SFBRWQCB 2013b). The VOC chloroform was detected in both groundwater samples; however, this compound may be a laboratory contaminant as it is commonly used in analytical laboratories.

Various metals were detected in soil and groundwater samples. Nickel was detected in soil sample SB-1-5.5 at a concentration of 240 mg/kg which is above the ESL of 150 mg/kg. However, this concentration is within natural background levels of up to 272 mg/kg for nickel in the site vicinity (Lawrence Berkeley National Laboratory 2009). The reported concentrations of the remaining metals were below their respective laboratory reporting limit or were below the applicable ESLs (SFBRWQCB 2013a).

1.4 Conclusions

The results of this Limited Phase II ESA indicated that petroleum hydrocarbons are present in soil and groundwater samples collected from the Site. The concentrations detected in soil were below applicable ESLs while the concentrations detected in groundwater were above applicable ESLs.

1.5 Recommendations

The detection of petroleum hydrocarbons in soil and groundwater samples indicates that a release has occurred on site with reported concentrations in groundwater above applicable ESLs. In accordance with the requirements of the permit issued by Zone 7 Water Agency (Zone 7), a copy of this report must be submitted to Zone 7.

2. INTRODUCTION

ERA is pleased to present this Limited Phase II ESA Report for the property located at 927 Main Street, Pleasanton, Alameda County, California (Figure 1) to Basics Environmental. The Site is currently developed with one commercial building occupied by restaurants (Figure 2).

The findings and conclusions presented in this Report are based on the results of a limited assessment that included collecting and analyzing soil and groundwater samples from the Site and evaluating the data obtained during the field investigation and provided by the analytical laboratory.

2.1 Site Description

Basics Environmental requested that ERA conduct a limited Phase II ESA of the Site to facilitate their evaluation of the Site and current subsurface conditions. Site-specific information is presented in Table 1.

Table 1. General Site Information	
Project Name: Main Street Property	**Current Development:** One commercial building occupied by two restaurants
Address: 927 Main Street Pleasanton, Alameda County	**Occupants:** Subway and Hanadi Sushi
Location: Western side of Main Street	

2.2 Background

The Site consists of one parcel of land identified by the Alameda County Assessor's office as Assessor Parcel Number (APN) 946-3370-22.

The Site is developed with one building occupied by a Subway sandwich shop and a Hanadi Sushi restaurant. According to information obtained by Basics Environmental, the Site was occupied by an auto repair shop from at least the late 1930s until the late 1960s. In addition, a gasoline service station was located on site from the late 1930s until at least the early 1940s/early 1950s. No specific information on former operations (i.e., capacity of former USTs, type and locations of USTs, pump island locations, auto maintenance areas, and use of hazardous materials, etc.) was obtained by Basics Environmental from the local regulatory agency files reviewed during the Phase I ESA. In addition, no information regarding the removal of the USTs or associated sampling was contained within the local regulatory agency files reviewed by Basics Environmental. The approximate footprints of the former gasoline service station building and the canopy over the fuel dispensers are shown on Figure 2.

According to information obtained by Basics Environmental from subsurface investigation reports for the Unocal Service Station located at 1024 Main Street (approximately 150 feet northeast of the Site), the depths to water in the groundwater monitoring wells installed at this service station vary depending on the screen intervals of the wells. In the clay/silt unit, the depth to water can vary but the depth to water in the sand/gravel unit is approximately 37 to 44 feet bgs. Depth-to-water measurements obtained from wells screened in the sand/gravel unit during the February 2009 groundwater monitoring event indicated that groundwater flow direction was to the east-northeast.

2.3 Objectives and Scope of Work

The objective of the limited Phase II ESA was to evaluate current subsurface conditions in select on-site areas. To meet this objective, soil and groundwater samples were collected from sampling locations for analysis with comparison of the analytical results to established screening levels.

The investigation consisted of the following:

- Advancing borings at two sampling locations as shown on the Site Plan, Figure 2: boring SB-1 was advanced to a depth of 40 feet bgs immediately north of the building and boring SB-2 was advanced to a depth of 36 feet bgs immediately south of the building;
- Collecting soil samples from each boring;

- Collecting groundwater samples from each boring;
- Submitting soil and groundwater samples for TPHg, TPHd, and TPHss; VOCs; and LUFT Manual 5 metals (cadmium, chromium, lead, nickel, and zinc) analysis; and
- Preparing this report presenting the results of the Limited Phase II ESA.

2.4 Limitations and Exceptions

The opinions and recommendations presented in this Report are based upon the scope of services, information obtained through the performance of the services, and the schedule as agreed upon by ERA and the party for whom this report was originally prepared. This Report is an instrument of professional service and was prepared in accordance with the generally accepted standards and level of skill and care under similar conditions and circumstances established by the environmental consulting industry. No representation, warranty, or guarantee, express or implied, is intended or given. To the extent that ERA relied upon any information prepared by other parties not under contract to ERA, ERA makes no representation as to the accuracy or completeness of such information.

This Report is expressly for the sole and exclusive use of the parties for which this Report was originally prepared for a particular purpose. Only the parties for which this Report was originally prepared and/or other specifically named parties, may make use of and rely upon the information in this Report. Reuse of this Report or any portion thereof for other than its intended purpose, or if modified, or if used by third parties without proper authorization, shall be at the user's sole risk.

The findings presented in this Report apply solely to site conditions existing at the time when ERA's assessment was performed. It must be recognized, however, that a Limited Phase II ESA is conducted for the purpose of evaluating the potential for contamination through limited investigative activities and in no way represents a conclusive or complete site characterization. Conditions in other parts of the project site may vary from those at the locations where data were collected. ERA's ability to interpret investigation results is related to the availability of the data and the extent of the investigation activities. Therefore, 100 percent confidence in limited Phase II ESA conclusions cannot reasonably be achieved.

Nothing contained in this document shall relieve any other party of its responsibility to abide by contract documents and applicable laws, codes, regulations, or standards.

2.5 Special Terms and Conditions

The scope of work for this Limited Phase II ESA was presented in ERA's proposal dated November 2, 2015. The scope of work for this assessment did not include tasks not specifically noted in the proposal.

2.6 User Reliance

This Report is for the exclusive use of the parties for which it was prepared, their agents, and assignees, and for such other parties as ERA agrees may rely on the Report. Use of this Report by any other party shall be at such party's sole risk.

2.7 Qualifications

A summary of the ERA personnel who worked on this project follows:

- Ms. Lita Freeman, California Professional Geologist and California Asbestos Consultant, has over 25 years of experience providing site assessment services. This has included

evaluating potential property impacts from historical on- and off-site operations, conducting subsurface investigations, and implementing site remediation plans. Ms. Freeman works with property owners, attorneys, and regulators to mitigate and resolve environmental issues.

3. FIELD INVESTIGATION

This Limited Phase II ESA was conducted to evaluate current conditions by collecting soil and groundwater samples from select on-site locations for analysis with comparison of the analytical results to established screening levels. The scope of work and results of this Limited Phase II ESA are presented below.

Photographs of the Site and site investigation are included in Appendix A.

3.1 Pre-Field Activities

Before field activities associated with the proposed assessment were conducted, the pre-field tasks described below were completed.

3.1.1 Health and Safety

ERA prepared a site-specific *Health and Safety Plan* for the scope of work as required by the Occupational Health and Safety Administration (OSHA) Standard "Hazardous Waste Operations and Emergency Response" guidelines (29 CFR 1910.120). The document was reviewed and signed by ERA personnel and subcontractors performing work at the Site.

3.1.2 Permitting

ERA obtained soil boring permits from Zone 7 prior to commencing intrusive field activities. ERA coordinated field activities with the Zone 7 and scheduled a Zone 7 inspector to document compliance with permit requirements. A copy of the approved permit is presented in Appendix B.

3.2 Field Activities

3.2.1 Utility Clearance

Before subsurface work was conducted at the Site, the soil boring locations were cleared for underground utilities by notifying Underground Services Alert North (USA North) at least 48 hours prior to intrusive field activities. In addition, Cruz Brothers, a private utility locating contractor, cleared each proposed sampling location prior to intrusive field activities. Proposed sampling locations were adjusted, as necessary, to maintain a distance of at least 3 feet from identified underground utilities/structures.

3.2.2 Drilling and Sampling

On November 13, 2015, ERA personnel provided oversight of a field crew from Cascade Drilling, L.P. (Cascade) of Richmond, California, a California licensed driller, during advancement of the borings using a Geoprobe direct-push drilling rig. A total of two soil borings (SB-1 and SB-2) were advanced at select on-site locations to collect soil and groundwater samples (Figure 2). The boring locations were selected based on available historical information and site observations, as follows:

- Boring SB-1 was placed immediately north of the on-site building and was drilled to a depth of 40 feet bgs;

- Boring SB-2 was placed immediately south of the on-site building and was drilled to a depth of 36 feet bgs.

The sampling program consisted of collecting soil and groundwater samples from each boring.

Down-hole drilling and sampling equipment was washed in a tri-sodium phosphate solution following the completion of sample collection activities for each soil boring.

Soil sampling was conducted during drilling using new acetate sleeves. Soil samples were screened in the field with a photoionization detector (PID) and observed for evidence of chemical staining. The soil screening procedures involved measuring approximately 30 grams of soil from a relatively undisturbed soil sample and placing this sample in a sealed zip-lock bag. The container was warmed in the sun for approximately 20 minutes, then the head space within the bag was tested for total organic vapor, measured in parts per million volume (ppmv). Elevated (above background) PID measurements were noted during sampling with the highest PID reading 376 ppmv) in soil from boring SB-2 at a depth of 30 feet bgs. Evidence of impacted soil (i.e., staining, odors, sheen, etc.) was noted during sampling: green-colored soil with a petroleum hydrocarbon odor was noted in boring SB-2 from a depth of 30 feet bgs to 34 feet bgs. The PID results were recorded on the field boring logs which are included in Appendix C.

Boring SB-1, located north of the on-site building, appeared to be advanced within native soil, while Boring SB-2, located south of the on-site building, appeared to be advanced within fill material (silty clay with gravel and sandy gravel) that extended from a depth of approximately 1 foot bgs (below the asphalt pavement and baserock) to a depth of approximately 20 feet bgs. Silty clay was present from a depth of approximately 20 feet bgs to the maximum depth explored of 36 feet bgs in boring SB-2, as noted above. Based on Basic Environmental's review of historical maps, the USTs associated with the former on-site gasoline service station may have been located in this area.

3.2.2.1 Soil Sampling

A track-mounted direct-push unit was used to drive a steel probe lined with acetate tubes into the ground to the desired depth. The soil samples were retained in the acetate tubes, capped with Teflon squares and plastic end caps, labeled with the boring identification number and the bottom depth (e.g., 2 feet bgs) of the sampling interval, and sealed in zip-lock bags.

The soil samples were placed on ice and transported under chain-of-custody protocols to McCampbell Analytical, Inc. (McCampbell Analytical) of Pittsburg, California, the project laboratory, by a laboratory-provided courier.

3.2.2.2 Groundwater Sampling

New polyvinyl chloride (PVC) casing (with slotted casing in the lower 10 feet and blank casing from above the slotted casing to the ground surface) was placed in each boring. Groundwater was allowed to flow into the casing at each location for approximately one hour. Groundwater was not purged prior to sampling because of the anticipated limited quantity of water in each boring. Groundwater samples were collected in laboratory-provided containers appropriate for the requested analysis.

The groundwater samples containers were labeled with the boring identification number, placed on ice, and transported under chain-of-custody protocols to the project laboratory by a laboratory-provided courier.

3.2.3 Borehole Abandonment and Investigation-Derived Waste Handling

After the sampling activities were complete, each boring was backfilled with cement grout and bentonite in accordance with the Zone 7 permit requirements and the Zone 7 inspector's directions.

Investigation-derived waste (IDW), which was limited to soil cuttings, produced during sampling activities were containerized in one 55-gallon container and left on the Site pending receipt of analytical results. Appropriate off-site disposal options will be presented to the client after evaluation of the analytical results.

4. ANALYSIS, RESULTS, AND EVALUATION

The soil and groundwater samples were submitted to McCampbell Analytical, a laboratory certified by the State of California to perform the requested analyses. The analytical methods, results, and evaluation of this Limited Phase II ESA are presented below. Copies of the laboratory analytical report and chain-of-custody documentation are presented in Appendix D.

4.1 Soil Analysis and Results

The soil samples collected from borings SB-1 (5.0 to 5.5 feet depth interval) and SB-2 (1.5 to 2 feet depth interval) were submitted for analyses as follows:

- TPHg, TPHd, and TPHss using U.S. Environmental Protection Agency (U.S. EPA) SW8015B without silica gel cleanup;
- VOCs using U.S. EPA Method 8260B; and
- LUFT 5 metals (cadmium, chromium, lead, nickel, and zinc).

Petroleum hydrocarbons were not detected in the soil samples at concentrations at or above their respective laboratory reporting limit with the exception of TPHd. TPHd was reported in sample SB-2-2 at a concentration of 16 mg/kg (see Table 2).

VOCs were not detected in the soil samples at concentrations at or above their respective laboratory reporting limit (see McCampbell Analytical report in Appendix D).

Cadmium, chromium, lead, nickel, and/or zinc were detected in each of the two soil samples (Table 3). Cadmium was detected in sample SB-2-2 at a concentration of 0.36 mg/kg. The remaining metals were detected in both samples at the following maximum concentrations: chromium (up to 260 mg/kg), lead (up to 61 mg/kg), nickel (up to 240 mg/kg), and zinc (up to 110 mg/kg).

The analytical results for the compounds detected in the soil samples are presented in Tables 2 and 3 and discussed below in Section 4.3.

4.2 Groundwater Analysis and Results

The groundwater samples were submitted for analyses as follows:

- TPHg, TPHd, and TPHss using U.S. EPA SW8015B without silica gel cleanup;
- VOCs using U.S. EPA Method 8260B; and
- LUFT 5 metals (cadmium, chromium, lead, nickel, and zinc).

Petroleum hydrocarbons were not detected in the groundwater sample (SB-1-W) from boring SB-1 at concentrations at or above their respective laboratory reporting limit with the exception of

TPHd detected at a concentration of 120 µg/L. TPHg (at a concentration of 1,400 µg/L), TPHd (at a concentration of 1,000 µg/L), and TPHss (at a concentration of 1,400 µg/L) were reported in the groundwater sample (SB-2-W) from boring SB-2 (Table 2).

The VOCs bromodichloromethane and chloroform were detected in the groundwater sample (SB-1-W) from boring SB-1. Various VOCs, including ethylbenzene and xylenes, were detected in the groundwater sample (SB-2-W) from boring SB-2 at concentrations (Table 2). This compound may be a laboratory contaminant as it is commonly used in analytical laboratories.

Groundwater samples were collected in unpreserved containers and filtered at the laboratory prior to metals analysis. Cadmium, lead, and zinc were not detected in the two groundwater samples (Table 3). Chromium was detected in sample SB-1-W at a concentration of 0.63 µg/L and nickel was detected in samples SB-1-W and SB-2-W at concentrations of 1.8 µg/L and 4.8 µg/L, respectively.

The analytical results for the compounds detected in the groundwater samples are presented in Tables 2 and 3 and discussed below in Section 4.3.

4.3 EVALUATION

The concentrations of compounds of concern detected in soil samples were compared to ESLs for shallow soil in area of commercial/industrial land use where groundwater is a current or potential drinking water resource as established by the SFBRWQCB (SFBRWQCB 2013a).

The concentrations of compounds of concern detected in groundwater samples were compared to the ESLs for groundwater where groundwater is a current or potential drinking water resource (SFBRWQCB 2013b).

4.3.1 Soil Results Evaluation

Comparison of the analytical results to the ESLs for soil at commercial/industrial land use (SFBRWQCB 2013a) indicate that the concentrations of detected compounds (petroleum hydrocarbons, VOCs, and metals) were below their respective ESLs with the exception of nickel in sample SB-1-5.5 (Tables 2 and 3).

Nickel was detected in sample SB-1-5.5 at a concentration of 240 mg/kg which is above the ESL of 150 mg/kg (Table 3). Regional background levels for nickel have been reported at 55 mg/kg (Shacklette and Boerngen 1984) with the 95th and 99th percentile estimates established as 164 mg/kg and 272 mg/kg, respectively, during a Lawrence Berkeley National Laboratory study (Lawrence Berkeley National Laboratory 2009).

As noted above in Section 3.2.2, native soil was observed in boring SB-1 from below the asphalt and baserock to the total depth of this boring, while what appeared to be fill material was observed in boring SB-2 from below the asphalt and baserock to a depth of approximately 20 feet bgs. The differences in chromium, lead, nickel, and zinc concentrations between soil sample SB-1-5.5 and SB-2-2 would likely be related to the composition of native soil versus fill material.

4.3.2 Groundwater Results Evaluation

Comparison of the analytical results to the ESLs for groundwater where groundwater is a current or potential drinking water resource (SFBRWQCB 2013b) indicated that the concentrations of TPHd (120 µg/L) in the groundwater sample SB-1-W and TPHg (1,400 µg/L), TPHd (1,000 µg/L), and

TPHss (1,400 µg/L) in the groundwater sample SB-2-W were above the ESL of 100 µg/L for each of these compounds (Table 2).

The VOC concentrations detected in both groundwater samples were below the ESLs for groundwater where groundwater is a current or potential drinking water resource (SFBRWQCB 2013b), as shown in Table 2.

Comparison of the analytical results for metals to the ESLs for groundwater where groundwater is a current or potential drinking water resource (SFBRWQCB 2013b) indicated that the metals concentrations reported for samples SB-1-W and SB-2-W were below their respective ESLs (Table 3).

5. CONCLUSIONS

The results of this Limited Phase II ESA indicate that petroleum hydrocarbons, various metals, and VOCs, are present in soil and groundwater samples collected from the Site.

Review of the analytical results indicated the following compounds were not detected in the noted samples at concentrations at or above their respective laboratory reporting limits:

- petroleum hydrocarbons in soil sample SB-1-5.5;
- TPHg and TPHss in soil sample SB-2-2;
- TPHg and TPHss in groundwater sample SB-1-W;
- VOCs in soil samples from both borings;
- Cadmium in soil sample SB-1-5.5;
- Cadmium, lead, and zinc in groundwater samples SB-1-W and SB-2-W; and
- Chromium in groundwater sample SB-2-W.

Review of the analytical results indicated the following compounds were detected in the noted samples at concentrations below applicable ESLs:

- TPHd detected in soil sample SB-2-2;
- VOCs in groundwater samples from both borings (chloroform reported in the groundwater samples may be a laboratory contaminant as it is commonly used in analytical laboratories);
- cadmium in soil sample SB-2-2;
- chromium, lead, and zinc in soil samples from both borings;
- nickel in soil sample SB-2-2;
- chromium and nickel in groundwater sample SB-1-W; and
- nickel in groundwater sample SB-2-W.

Nickel was detected in soil sample SB-1-5.5 at a concentration of 240 mg/kg, which is above the ESL of 150 mg/kg. However, this concentration is within natural background levels of up to 272 mg/kg for nickel in the site vicinity (Lawrence Berkeley National Laboratory 2009).

The concentrations of TPHd (120 µg/L) in groundwater sample SB-1-W and TPHg (1,400 µg/L), TPHd (1,000 µg/L), and TPHss (1,400 µg/L) in groundwater sample SB-2-W were above the ESL of 100 µg/L for each of these compounds.

6. RECOMMENDATIONS

The detection of petroleum hydrocarbons in soil and groundwater samples indicates that a release has occurred on site with reported concentrations above applicable ESLs in groundwater. In accordance with the requirements of the permit issued by Zone 7, a copy of this report must be submitted to Zone 7.

7. REFERENCES

American Society for Testing and Materials (ASTM). 2010. *Standard Guide for Vapor Encroachment Screening on Property Involved in Real Estate Transactions*. June.

California Environmental Protection Agency, San Francisco Bay Regional Water Quality Control Board (SFBRWQCB). 2013a. *Environmental Screening Levels, Table A-2: Shallow Soil Screening Levels (<3m bgs) Commercial/Industrial Land Use (Groundwater is a Current or Potential Drinking Water Resource),* Interim Final. December.

---. 2013b. *Environmental Screening Levels, Table F-1a:* Groundwater Screening Levels (groundwater is a current or potential drinking water resource), Interim Final, December.

Lawrence Berkeley National Laboratory. 2009. *Analysis of Background Distributions of Metals in the Soil at Lawrence Berkeley National Laboratory*. June 2002, rev. April 2009.

Shacklette, H.T., and J.G. Boerngen. 1984. *Element Concentrations in Soils and Other Surficial Materials, Conterminous United States, U.S. Geological Survey Professional Paper 1270*.

SIGNATURE OF ENVIRONMENTAL PROFESSIONAL

Report Prepared By:

November 27, 2015

Lita D. Freeman, P.G. Date
Principal Geologist
California Professional Geologist No. 7368

* A professional geologist's certification of conditions comprises a declaration of his or her professional judgment. It does not constitute a warranty or guarantee, expressed or implied, nor does it relieve any other party of its responsibility to abide by contract documents, applicable codes, standards, regulations, and ordinances.

TABLES

Table 2
Soil and Groundwater Samples Organics Analytical Summary
Main Street Property
927 Main Street
Pleasanton, California

On-Site Location/ Comments	Sample ID	Sample Depth (feet bgs)[1]	Matrix	Petroleum Hydrocarbons[2]			VOCs[3]										
Analytes				**TPHg[3]**	**TPHd[3]**	**TPHss[3]**	**Bromodichloro-methane**	**n-Butyl benzene**	**sec-Butyl benzene**	**Chloroform**	**Ethylbenzene**	**Isopropylbenzene**	**Naphthalene**	**n-Propyl benzene**	**1,2,4-Trimethylbenzene**	**1,3,5-Trimethylbenzene**	**Xyelenes**
ESL for Shallow Soil				500	110	500	1.5	NE	NE	2.4	3.3	NE	1.2	NE	NE	NE	2.3
North of Former Gas Station Building	SB-1-5.5	5.0 - 5.5	Soil	<1	<1	<1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
North End of Former Canopy	SB-2-2	1.5 - 2.0	Soil	<1	**16**	<1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
ESL for Groundwater				100	100	100	80	NE	NE	80	30	NE	6.1	NE	NE	NE	20
North of Former Gas Station Building	SB-1-W	NA	Ground-water	<50	**120**	<50	**1.3**	<0.5	<0.5	**5.5**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
North End of Former Canopy	SB-2-W	NA	Ground-water	**1,400**	**1,000**	**1,400**	**1.3**	**4.9**	**1.1**	**5.8**	**6.1**	**1.1**	**5.3**	**4.5**	**28**	**7.2**	**19**

Notes:
Units: Soil: mg/kg = milligrams per kilogram, Groundwater: µg/L = micrograms per liter
1. bgs = below ground surface

2. TPHg, TPHd, TPHss = Total petroleum hydrocarbons (TPH) quantified as gasoline, quantified as diesel, and TPH quantified as Stoddard solvent were analyzed using U.S. EPA Method 8015B/C.

3. Volatile organic compounds (VOCs) were analyzed using U.S. EPA Method 8260B.

ESL for Shallow Soil = Environmental Screening Levels for shallow soil as established by the California Environmental Protection Agency, San Francisco Bay Regional Water Quality Control Board (SFBRWQCB, Shallow Soil Screening Levels (<3 m bgs) Commercial/Industrial Land Use (groundwater is a current or potential drinking water resource), Table A-2, December 2013).

ESL for Groundwater = Environmental Screening Levels for groundwater as established by the California Environmental Protection Agency, San Francisco Bay Regional Water Quality Control Board (SFBRWQCB, Groundwater Screening Levels (groundwater is a current or potential drinking water resource), Table F-1a, December 2013).
NE = Not established
<1 = Not detected at stated concentration
Bold = Compound detected
Bold = Compound detected above ESL

Table 3
Soil and Groundwater Samples Inorganics Analytical Summary
Main Street Property
927 Main Street
Pleasanton, California

On-Site Location/ Comments	Sample ID	Sample Depth (feet bgs)[1]	Matrix	Metals (soil: mg/kg, GW: µg/L)				
Analytes				Cadmium	Chromium	Lead	Nickel	Zinc
ESL for Shallow Soil				12	2,500	320	150	600
North of Former Gas Station Building	SB-1-5.5	5.0 - 5.5	Soil	<0.25	**260**	**10**	**240**	**60**
North End of Former Canopy	SB-2-2	1.5 - 2.0	Soil	**0.36**	**130**	**61**	**80**	**110**
ESL for Groundwater				0.25	50	2.5	8.2	81
North of Former Gas Station Building	SB-1-W	NA	Ground-water	<0.25	**0.63**	<0.5	**1.8**	<15
North End of Former Canopy	SB-2-W	NA	Groundwater	<0.25	<0.5	<0.5	**4.8**	<15

Notes:

Units: Soil: mg/kg = milligrams per kilogram; Groundwater: µg/L = micrograms per liter

1. bgs = below ground surface

ESL for Shallow Soil = Environmental Screening Levels for shallow soil as established by the California Environmental Protection Agency, San Francisco Bay Regional Water Quality Control Board (SFBRWQCB, Shallow Soil Screening Levels (<3 m bgs) Commercial/Industrial Land Use (groundwater is a current or potential drinking water resource), Table A-2, December 2013).

ESL for Groundwater = Environmental Screening Levels for groundwater as established by the California Environmental Protection Agency, San Francisco Bay Regional Water Quality Control Board (SFBRWQCB, Groundwater Screening Levels (groundwater is a current or potential drinking water resource), Table F-1a, December 2013).

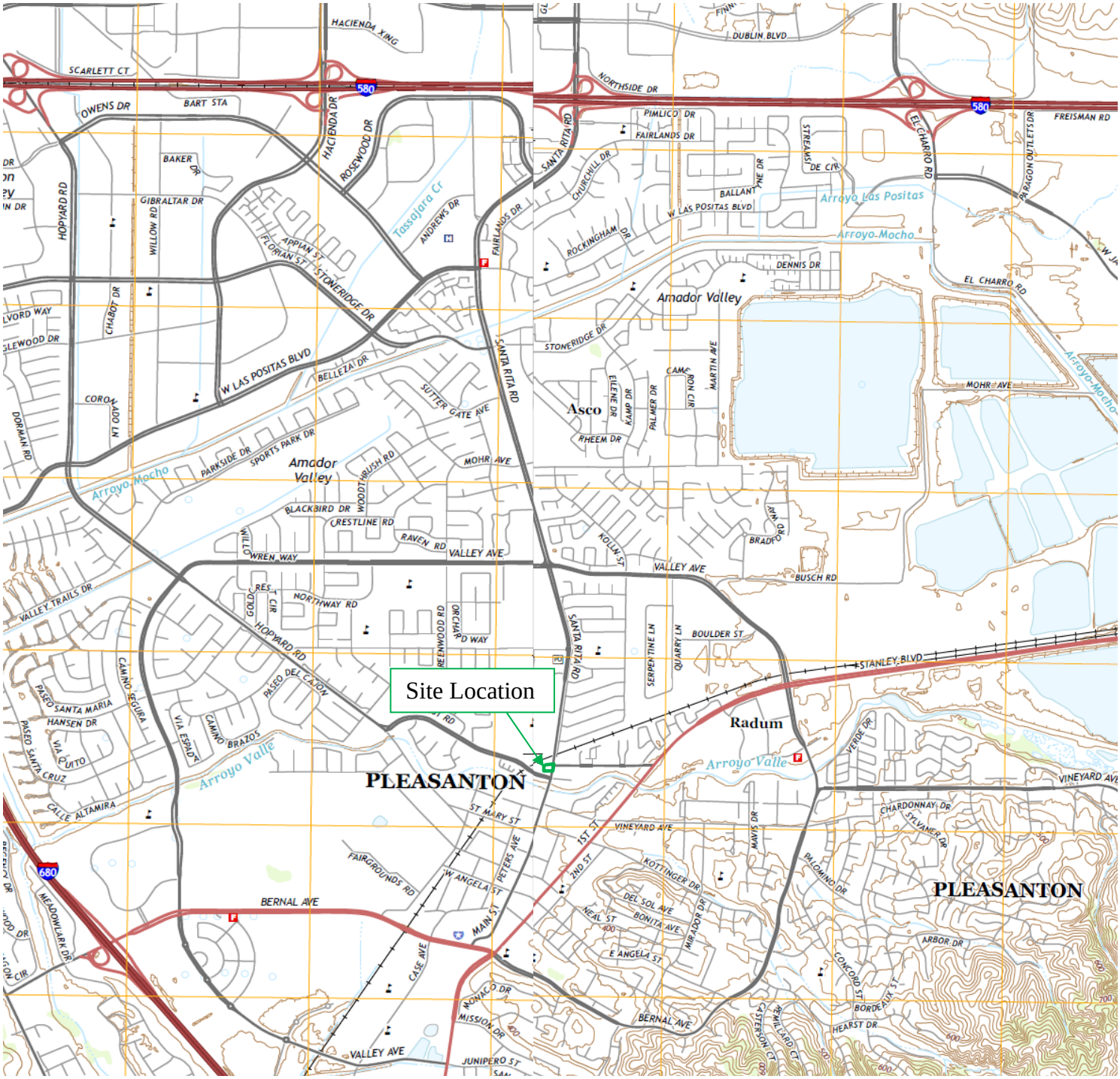
NA = Not Applicable

<0.25 = Not detected at stated concentration

Bold = Compound detected

Bold = Compound detected above ESL

FIGURES

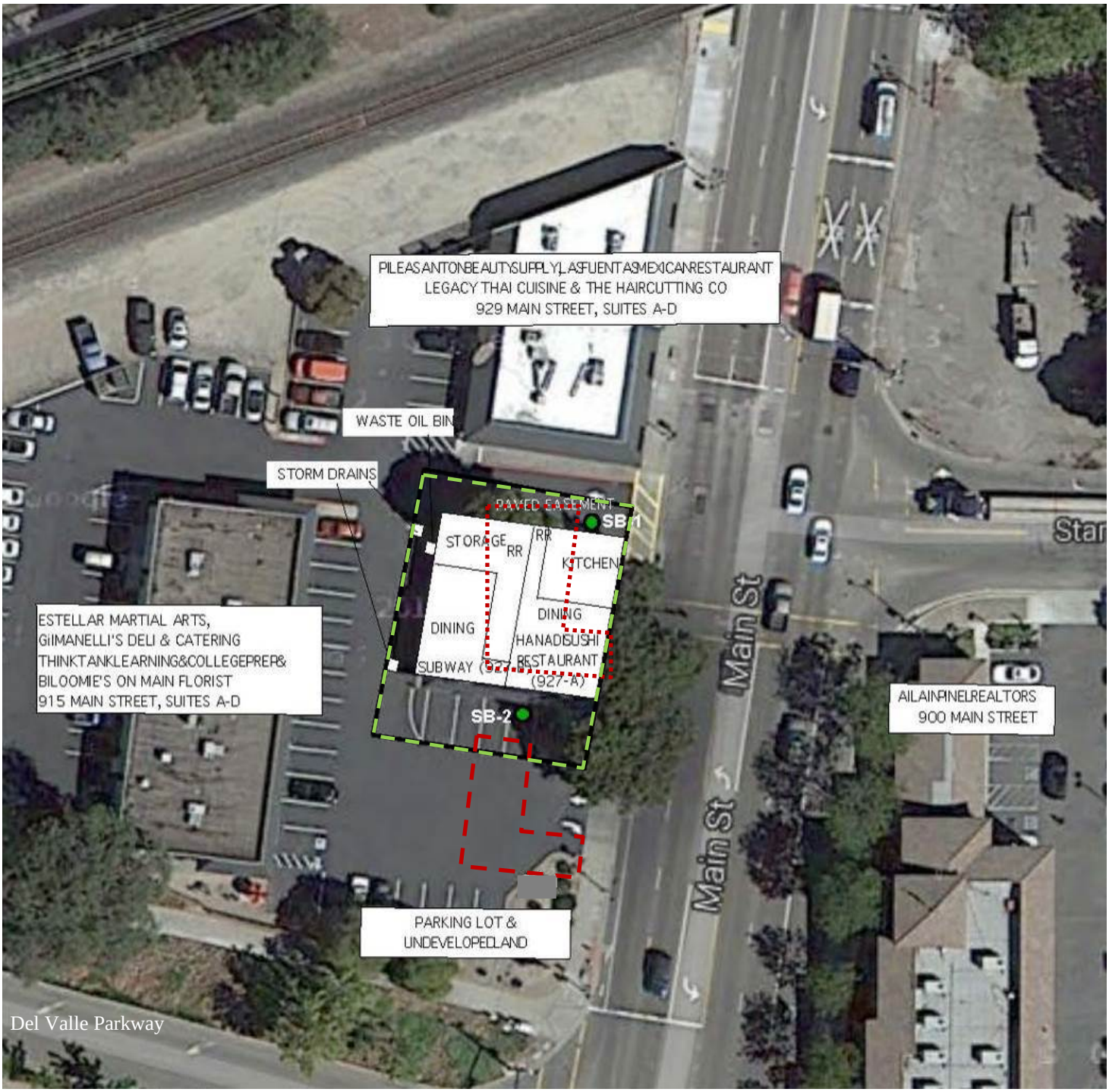


USGS Dublin and Livermore, California Quadrangle Topographic Maps, 2015

Legend

— Site (boundaries approximate)

ERA soil-water-vapor	**Site Location Map**	PN: 01-2015-500-007
		Date: November 27, 2015
	LIMITED PHASE II ENVIRONMENTAL SITE ASSESSMENT	EP: Lita Freeman
	927 Main Street, Pleasanton, California	**Figure 1**



Approximate Property Boundary
Former Gas Station Building
Former Canopy Over Dispensers
Sampling Location

North

0 _____ 75

Scale (feet, approximate)

ERA soil-water-vapor	**Site Plan**	PN: 01-2015-500-007
		Date: November 27, 2015
	LIMITED PHASE II ENVIRONMENTAL SITE ASSESSMENT	EP: Lita Freeman
	927 Main Street, Pleasanton, California	**Figure 2**

Appendix A

Site Photographs

Photographic Log
927 Main Street
Pleasanton, California 94566
ERA Project No. 01-2015-500-007

Photograph: 1 **Description:** Photo depicts the sampling at boring SB-1 (north of on-site building).	
Photograph: 2 **Description:** Photo depicts sampling location SB-2 on southern side of on-site building.	

Photographs taken by L. Freeman on November 13, 2015

Photographic Log
927 Main Street
Pleasanton, California 94566
ERA Project No. 01-2015-500-007

Photograph: 3 **Description:** Photo depicts groundwater sampling at SB-1.	

Photograph: 4 **Description:** Photo depicts backfilled boring SB-2.	

Appendix B

Soil Boring Permit

ZONE 7 WATER AGENCY

100 NORTH CANYONS PARKWAY, LIVERMORE, CALIFORNIA 94551 VOICE (925) 454-5000 FAX (925) 245-9306
E-MAIL whong@zone7water.com

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

LOCATION OF PROJECT 927 Main Street, Pleasanton, CA 94566

Coordinates Source GoogleEarth ft. Accuracy∀ ft.
LAT: 37.665986 ft. LONG: -121.87388 ft.
APN 946-3370-22

CLIENT
Name Mr. Brad Hirst
Address 4460 Black Ave, Ste L Phone 925-484-3636
City Pleasanton Zip 94566

APPLICANT
Name Lita Freeman/Basics Environmental
Email litafreeman@gmail.com Fax
Address 1420 E Roseville Pkwy,140-262 Phone 916-677-9897
City Roseville Zip 95661

TYPE OF PROJECT:
Well Construction __ Geotechnical Investigation __
Well Destruction __ Contamination Investigation __
Cathodic Protection __ Other Baseline Environmental

PROPOSED WELL USE:
Domestic __ Irrigation __
Municipal __ Remediation __
Industrial __ Groundwater Monitoring __
Dewatering __ Other __

DRILLING METHOD:
Mud Rotary __ Air Rotary __ Hollow Stem Auger __
Cable Tool __ Direct Push x Other __

DRILLING COMPANY Cascade Drilling
DRILLER'S LICENSE NO. C57-938110

WELL SPECIFICATIONS:
Drill Hole Diameter ____ in. Maximum
Casing Diameter ____ in. Depth ____ ft.
Surface Seal Depth ____ ft. Number ____

SOIL BORINGS:
Number of Borings 2 Maximum
Hole Diameter 1.5 in. Depth 50 ft.

ESTIMATED STARTING DATE 11-13-2015
ESTIMATED COMPLETION DATE 11-13-2015

I hereby agree to comply with all requirements of this permit and Alameda County Ordinance No. 73-68.

APPLICANT'S SIGNATURE Lita D Freeman Date 11-3-15

ATTACH SITE PLAN OR SKETCH

FOR OFFICE USE

PERMIT NUMBER 2015147
WELL NUMBER
APN 946-3370-022-00

PERMIT CONDITIONS
(Circled Permit Requirements Apply)

(A.) GENERAL
1. A permit application should be submitted so as to arrive at the Zone 7 office five days prior to your proposed starting date.
2. Submit to Zone 7 within 60 days after completion of permitted work the original **Department of Water Resources Water Well Drillers Report (DWR Form 188), signed by the driller.**
3. Permit is void if project not begun within 90 days of approval date.
4. **Notify Zone 7 at least 24 hours before the start of work.**

B. WATER SUPPLY WELLS
1. Minimum surface seal diameter is four inches greater than the well casing diameter and six inches for public wells.
2. Minimum seal depth is 50 feet for municipal and industrial wells or 20 feet for domestic and irrigation wells unless a lesser depth is specially approved.
3. Grout placed by tremie.
4. An access port at least 0.5 inches in diameter is required on the wellhead for water level measurements.
5. A sample port is required on the discharge pipe near the wellhead.

C. GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS
1. Minimum surface seal diameter is four inches greater than the well or piezometer casing diameter.
2. Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet.
3. Grout placed by tremie.

(D.) GEOTECHNICAL. Backfill bore hole with compacted cuttings or heavy bentonite and upper two feet with compacted material. In areas of known or suspected contamination, tremied cement grout shall be used in place of compacted cuttings.

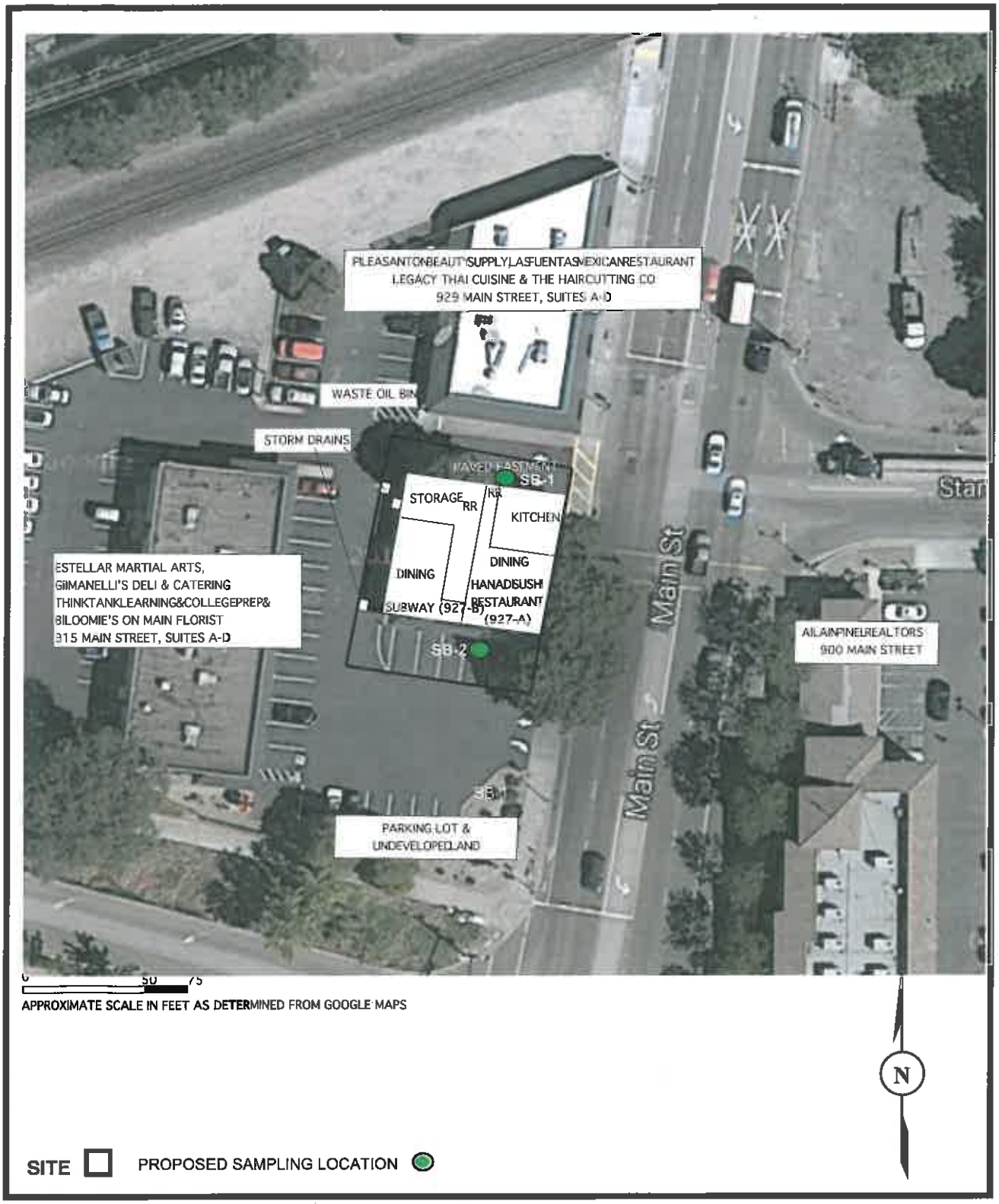
E. CATHODIC. Fill hole above anode zone with concrete placed by tremie.

F. WELL DESTRUCTION. See attached.

(G.) SPECIAL CONDITIONS. Submit to Zone 7 within 60 days after completion of permitted work the well installation report **including all soil and water laboratory analysis results.**

Approved Wyman Hong Date 11/10/15
Wyman Hong

Revised: May 17, 2011



Site Plan

basics ENVIRONMENTAL

Phase I Environmental Site Assessment
927 Main Street
Pleasanton, California

PROJECT NO.
13-ENV3567

DRAWING NO.
3

Appendix C

Soil Boring Logs

PROJECT: 927 Main Street, Pleasanton, California

Log of Boring SB-1

Boring location: See Figure 2

Date started: 11/13/15 Date finished: 11/13/15

Drilling method: Direct Push

Hammer weight/drop: NA Hammer type: NA

Sampler: Fernando-Cascade/Lita Freeman-ERA

Logged by: Lita Freeman

LABORATORY TEST DATA

DEPTH (feet)	SAMPLES: PID (ppmv)	SAMPLES: Sample	SAMPLES: Blows/ 6"	SAMPLES: SPT N-Value[1]	LITHOLOGY	MATERIAL DESCRIPTION	Type of Strength Test	Confining Pressure Lbs/Sq Ft	Shear Strength Lbs/Sq Ft	Fines %	Natural Moisture Content, %	Dry Density Lbs/Cu Ft
						Ground Surface Elevation: --__ feet[2]						
						Asphalt (8 inches) / Baserock (4 inches)						
1						Silt (ML), Brown (7.5 YR 4/6), low plasticity, stiff, dry						
2												
3												
4												
5	184											
6												
7												
8												
9												
10	225											
11						Silty Clay (CL/CH), Brown (7.5 YR 4/6), moderate plasticity, stiff, dry						
12												
13												
14												
15	269											
16												
17												
18												
19												
20	241											
21												
22												
23												
24												
25												
26												
27												
28						- color change to Light Brown (7.5 YR 6/4) at 28 feet bgs						
29												
30												

Boring terminated at a depth of 40 feet below ground surface.

Boring backfilled with cement grout.

Groundwater encountered at a depth of NA feet during drilling.

Environmental Risk Assessors

Project No.: 01-2015-500-007

Figure: C-1

PROJECT: 927 Main Street, Pleasanton, California

Log of Boring SB-1

Boring location: See Figure 2

Logged by: Lita Freeman

Date started: 11/13/15 Date finished: 11/13/15

Drilling method: Direct Push

Hammer weight/drop: NA Hammer type: NA

Sampler: Fernando-Cascade/Lita Freeman-ERA

LABORATORY TEST DATA

DEPTH (feet)	SAMPLES: PID (ppmv)	SAMPLES: Sample	SAMPLES: Blows/ 6"	SAMPLES: SPT N-Value[1]	LITHOLOGY	MATERIAL DESCRIPTION	Type of Strength Test	Confining Pressure Lbs/Sq Ft	Shear Strength Lbs/Sq Ft	Fines %	Natural Moisture Content, %	Dry Density Lbs/Cu Ft
						Ground Surface Elevation: -- feet[2]						
31						- moist at 30 feet bgs						
32												
33												
34						- very moist at 34 feet bgs						
35												
36												
37												
38												
39												
40						Bottom of Boring = 40 feet						
41												
42												
43												
44												
45												
46												
47												
48												
49												
50												
51												
52												
53												
54												
55												
56												
57												
58												
59												
60												

Boring terminated at a depth of 40 feet below ground surface.

Boring backfilled with cement grout.

Groundwater encountered at a depth of NA feet during drilling.

Environmental Risk Assessors

Project No.: 01-2015-500-007

Figure: C-1

PROJECT: 927 Main Street, Pleasanton, California

Log of Boring SB-2

Boring location: See Figure 2

Logged by: Lita Freeman

Date started: 11/13/15 Date finished: 11/13/15

Drilling method: Direct Push

Hammer weight/drop: NA Hammer type: NA

Sampler: Fernando-Cascade/Lita Freeman-ERA

DEPTH (feet)	SAMPLES: PID (ppmv)	Sample	Blows/ 6"	SPT N-Value[1]	LITHOLOGY	MATERIAL DESCRIPTION (Ground Surface Elevation: -- feet[2])
						Asphalt (6 inches) / Baserock (4 inches)
1–10	264					FILL MATERIAL, Silt (ML), Brown (7.5 YR 4/6), some medium-grained to coarse-grained gravel with increasing gravel with depth, low plasticity, stiff, dry - fine-grained sand with medium-grained to coarse-grained gravel at 7 feet bgs
10–20	267 298					FILL MATERIAL, Sandy Gravel (GP), Brown (7.5 YR 4/6), coarse-grained gravel, fine-grained to coarse-grained sand, dry
20–30	376					Silty Clay (CL/CH), Brown (7.5 YR 4/6), moderate plasticity, stiff, dry -moist at 28 feet bgs

LABORATORY TEST DATA

Type of Strength Test	Confining Pressure Lbs/Sq Ft	Shear Strength Lbs/Sq Ft	Fines %	Natural Moisture Content, %	Dry Density Lbs/Cu Ft

Boring terminated at a depth of 36 feet below ground surface.

Boring backfilled with cement grout.

Groundwater encountered at a depth of NA feet during drilling.

Environmental Risk Assessors

Project No.: 01-2015-500-007

Figure: C-2

PROJECT: 927 Main Street, Pleasanton, California

Log of Boring SB-2

Boring location: See Figure 2

Logged by: Lita Freeman

Date started: 11/13/15 Date finished: 11/13/15

Drilling method: Direct Push

Hammer weight/drop: NA Hammer type: NA

Sampler: Fernando-Cascade/Lita Freeman-ERA

LABORATORY TEST DATA

DEPTH (feet)	SAMPLES: PID (ppmv)	SAMPLES: Sample	SAMPLES: Blows/ 6"	SAMPLES: SPT N-Value[1]	LITHOLOGY	MATERIAL DESCRIPTION	Type of Strength Test	Confining Pressure Lbs/Sq Ft	Shear Strength Lbs/Sq Ft	Fines %	Natural Moisture Content, %	Dry Density Lbs/Cu Ft
						Ground Surface Elevation: --__ feet[2]						
31						-color change to green with petroleum hydrocarbon odor from 30 feet bgs to 34 feet bgs						
32												
33												
34						-very moist at 34 feet bgs						
35												
36						Bottom of Boring = 36 feet						
37												
38												
39												
40												
41												
42												
43												
44												
45												
46												
47												
48												
49												
50												
51												
52												
53												
54												
55												
56												
57												
58												
59												
60												

Boring terminated at a depth of 36 feet below ground surface.

Boring backfilled with cement grout.

Groundwater encountered at a depth of NA feet during drilling.

Environmental Risk Assessors

Project No.: 01-2015-500-007

Figure: C-2

Appendix D

Laboratory Analytical Report and
Chain-of-Custody Documentation

McCampbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 1511651

Report Created for: Basics Environmental

655 12th Street, Suite 126
Oakland, CA 94607

Project Contact: Donavan Tom
Project P.O.:
Project Name: Pleasanton, CA

Project Received: 11/13/2015

Analytical Report reviewed & approved for release on 11/20/2015 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: Basics Environmental
Project: Pleasanton, CA
WorkOrder: 1511651

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)

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: Basics Environmental
Project: Pleasanton, CA
WorkOrder: 1511651

Analytical Qualifiers

S	spike recovery outside accepted recovery limits
F	sample was filtered upon arrival to the lab
c4	surrogate recovery outside of the control limits due to coelution with another peak(s) / cluttered chromatogram.
d2	heavier gasoline range compounds are significant (aged gasoline?)
d9	no recognizable pattern
e2	diesel range compounds are significant; no recognizable pattern
e4	gasoline range compounds are significant.
e7	oil range compounds are significant

Quality Control Qualifiers

F1	MS/MSD recovery and/or RPD is out of acceptance criteria; LCS validated the prep batch.

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Analytical Report

Client:	Basics Environmental	**WorkOrder:**	1511651
Date Received:	11/13/15 19:17	**Extraction Method:**	SW5030B
Date Prepared:	11/16/15	**Analytical Method:**	SW8260B
Project:	Pleasanton, CA	**Unit:**	mg/kg

Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-2-2	1511651-001B	Soil	11/13/2015 08:15	GC10	112956

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	0.10	1	11/16/2015 11:04
tert-Amyl methyl ether (TAME)	ND	0.0050	1	11/16/2015 11:04
Benzene	ND	0.0050	1	11/16/2015 11:04
Bromobenzene	ND	0.0050	1	11/16/2015 11:04
Bromochloromethane	ND	0.0050	1	11/16/2015 11:04
Bromodichloromethane	ND	0.0050	1	11/16/2015 11:04
Bromoform	ND	0.0050	1	11/16/2015 11:04
Bromomethane	ND	0.0050	1	11/16/2015 11:04
2-Butanone (MEK)	ND	0.020	1	11/16/2015 11:04
t-Butyl alcohol (TBA)	ND	0.050	1	11/16/2015 11:04
n-Butyl benzene	ND	0.0050	1	11/16/2015 11:04
sec-Butyl benzene	ND	0.0050	1	11/16/2015 11:04
tert-Butyl benzene	ND	0.0050	1	11/16/2015 11:04
Carbon Disulfide	ND	0.0050	1	11/16/2015 11:04
Carbon Tetrachloride	ND	0.0050	1	11/16/2015 11:04
Chlorobenzene	ND	0.0050	1	11/16/2015 11:04
Chloroethane	ND	0.0050	1	11/16/2015 11:04
Chloroform	ND	0.0050	1	11/16/2015 11:04
Chloromethane	ND	0.0050	1	11/16/2015 11:04
2-Chlorotoluene	ND	0.0050	1	11/16/2015 11:04
4-Chlorotoluene	ND	0.0050	1	11/16/2015 11:04
Dibromochloromethane	ND	0.0050	1	11/16/2015 11:04
1,2-Dibromo-3-chloropropane	ND	0.0040	1	11/16/2015 11:04
1,2-Dibromoethane (EDB)	ND	0.0040	1	11/16/2015 11:04
Dibromomethane	ND	0.0050	1	11/16/2015 11:04
1,2-Dichlorobenzene	ND	0.0050	1	11/16/2015 11:04
1,3-Dichlorobenzene	ND	0.0050	1	11/16/2015 11:04
1,4-Dichlorobenzene	ND	0.0050	1	11/16/2015 11:04
Dichlorodifluoromethane	ND	0.0050	1	11/16/2015 11:04
1,1-Dichloroethane	ND	0.0050	1	11/16/2015 11:04
1,2-Dichloroethane (1,2-DCA)	ND	0.0040	1	11/16/2015 11:04
1,1-Dichloroethene	ND	0.0050	1	11/16/2015 11:04
cis-1,2-Dichloroethene	ND	0.0050	1	11/16/2015 11:04
trans-1,2-Dichloroethene	ND	0.0050	1	11/16/2015 11:04
1,2-Dichloropropane	ND	0.0050	1	11/16/2015 11:04
1,3-Dichloropropane	ND	0.0050	1	11/16/2015 11:04
2,2-Dichloropropane	ND	0.0050	1	11/16/2015 11:04

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Analytical Report

Client:	Basics Environmental	**WorkOrder:**	1511651
Date Received:	11/13/15 19:17	**Extraction Method:**	SW5030B
Date Prepared:	11/16/15	**Analytical Method:**	SW8260B
Project:	Pleasanton, CA	**Unit:**	mg/kg

Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-2-2	1511651-001B	Soil	11/13/2015 08:15	GC10	112956

Analytes	Result	RL	DF	Date Analyzed
1,1-Dichloropropene	ND	0.0050	1	11/16/2015 11:04
cis-1,3-Dichloropropene	ND	0.0050	1	11/16/2015 11:04
trans-1,3-Dichloropropene	ND	0.0050	1	11/16/2015 11:04
Diisopropyl ether (DIPE)	ND	0.0050	1	11/16/2015 11:04
Ethylbenzene	ND	0.0050	1	11/16/2015 11:04
Ethyl tert-butyl ether (ETBE)	ND	0.0050	1	11/16/2015 11:04
Freon 113	ND	0.0050	1	11/16/2015 11:04
Hexachlorobutadiene	ND	0.0050	1	11/16/2015 11:04
Hexachloroethane	ND	0.0050	1	11/16/2015 11:04
2-Hexanone	ND	0.0050	1	11/16/2015 11:04
Isopropylbenzene	ND	0.0050	1	11/16/2015 11:04
4-Isopropyl toluene	ND	0.0050	1	11/16/2015 11:04
Methyl-t-butyl ether (MTBE)	ND	0.0050	1	11/16/2015 11:04
Methylene chloride	ND	0.0050	1	11/16/2015 11:04
4-Methyl-2-pentanone (MIBK)	ND	0.0050	1	11/16/2015 11:04
Naphthalene	ND	0.0050	1	11/16/2015 11:04
n-Propyl benzene	ND	0.0050	1	11/16/2015 11:04
Styrene	ND	0.0050	1	11/16/2015 11:04
1,1,1,2-Tetrachloroethane	ND	0.0050	1	11/16/2015 11:04
1,1,2,2-Tetrachloroethane	ND	0.0050	1	11/16/2015 11:04
Tetrachloroethene	ND	0.0050	1	11/16/2015 11:04
Toluene	ND	0.0050	1	11/16/2015 11:04
1,2,3-Trichlorobenzene	ND	0.0050	1	11/16/2015 11:04
1,2,4-Trichlorobenzene	ND	0.0050	1	11/16/2015 11:04
1,1,1-Trichloroethane	ND	0.0050	1	11/16/2015 11:04
1,1,2-Trichloroethane	ND	0.0050	1	11/16/2015 11:04
Trichloroethene	ND	0.0050	1	11/16/2015 11:04
Trichlorofluoromethane	ND	0.0050	1	11/16/2015 11:04
1,2,3-Trichloropropane	ND	0.0050	1	11/16/2015 11:04
1,2,4-Trimethylbenzene	ND	0.0050	1	11/16/2015 11:04
1,3,5-Trimethylbenzene	ND	0.0050	1	11/16/2015 11:04
Vinyl Chloride	ND	0.0050	1	11/16/2015 11:04
Xylenes, Total	ND	0.0050	1	11/16/2015 11:04

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Analytical Report

Client:	Basics Environmental	**WorkOrder:**	1511651
Date Received:	11/13/15 19:17	**Extraction Method:**	SW5030B
Date Prepared:	11/16/15	**Analytical Method:**	SW8260B
Project:	Pleasanton, CA	**Unit:**	mg/kg

Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-2-2	1511651-001B	Soil	11/13/2015 08:15	GC10	112956

Analytes	Result	RL	DF	Date Analyzed
Surrogates	**REC (%)**	**Limits**		
Dibromofluoromethane	99	70-130		11/16/2015 11:04
Toluene-d8	109	70-130		11/16/2015 11:04
4-BFB	93	70-130		11/16/2015 11:04
Benzene-d6	75	60-140		11/16/2015 11:04
Ethylbenzene-d10	89	60-140		11/16/2015 11:04
1,2-DCB-d4	66	60-140		11/16/2015 11:04

Analyst(s): KF

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Analytical Report

Client:	Basics Environmental	**WorkOrder:**	1511651
Date Received:	11/13/15 19:17	**Extraction Method:**	SW5030B
Date Prepared:	11/16/15	**Analytical Method:**	SW8260B
Project:	Pleasanton, CA	**Unit:**	mg/kg

Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-1-5.5	1511651-008B	Soil	11/13/2015 10:05	GC10	112987

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	0.10	1	11/16/2015 11:44
tert-Amyl methyl ether (TAME)	ND	0.0050	1	11/16/2015 11:44
Benzene	ND	0.0050	1	11/16/2015 11:44
Bromobenzene	ND	0.0050	1	11/16/2015 11:44
Bromochloromethane	ND	0.0050	1	11/16/2015 11:44
Bromodichloromethane	ND	0.0050	1	11/16/2015 11:44
Bromoform	ND	0.0050	1	11/16/2015 11:44
Bromomethane	ND	0.0050	1	11/16/2015 11:44
2-Butanone (MEK)	ND	0.020	1	11/16/2015 11:44
t-Butyl alcohol (TBA)	ND	0.050	1	11/16/2015 11:44
n-Butyl benzene	ND	0.0050	1	11/16/2015 11:44
sec-Butyl benzene	ND	0.0050	1	11/16/2015 11:44
tert-Butyl benzene	ND	0.0050	1	11/16/2015 11:44
Carbon Disulfide	ND	0.0050	1	11/16/2015 11:44
Carbon Tetrachloride	ND	0.0050	1	11/16/2015 11:44
Chlorobenzene	ND	0.0050	1	11/16/2015 11:44
Chloroethane	ND	0.0050	1	11/16/2015 11:44
Chloroform	ND	0.0050	1	11/16/2015 11:44
Chloromethane	ND	0.0050	1	11/16/2015 11:44
2-Chlorotoluene	ND	0.0050	1	11/16/2015 11:44
4-Chlorotoluene	ND	0.0050	1	11/16/2015 11:44
Dibromochloromethane	ND	0.0050	1	11/16/2015 11:44
1,2-Dibromo-3-chloropropane	ND	0.0040	1	11/16/2015 11:44
1,2-Dibromoethane (EDB)	ND	0.0040	1	11/16/2015 11:44
Dibromomethane	ND	0.0050	1	11/16/2015 11:44
1,2-Dichlorobenzene	ND	0.0050	1	11/16/2015 11:44
1,3-Dichlorobenzene	ND	0.0050	1	11/16/2015 11:44
1,4-Dichlorobenzene	ND	0.0050	1	11/16/2015 11:44
Dichlorodifluoromethane	ND	0.0050	1	11/16/2015 11:44
1,1-Dichloroethane	ND	0.0050	1	11/16/2015 11:44
1,2-Dichloroethane (1,2-DCA)	ND	0.0040	1	11/16/2015 11:44
1,1-Dichloroethene	ND	0.0050	1	11/16/2015 11:44
cis-1,2-Dichloroethene	ND	0.0050	1	11/16/2015 11:44
trans-1,2-Dichloroethene	ND	0.0050	1	11/16/2015 11:44
1,2-Dichloropropane	ND	0.0050	1	11/16/2015 11:44
1,3-Dichloropropane	ND	0.0050	1	11/16/2015 11:44
2,2-Dichloropropane	ND	0.0050	1	11/16/2015 11:44

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Analytical Report

Client:	Basics Environmental	**WorkOrder:**	1511651
Date Received:	11/13/15 19:17	**Extraction Method:**	SW5030B
Date Prepared:	11/16/15	**Analytical Method:**	SW8260B
Project:	Pleasanton, CA	**Unit:**	mg/kg

Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-1-5.5	1511651-008B	Soil	11/13/2015 10:05	GC10	112987

Analytes	Result	RL	DF	Date Analyzed
1,1-Dichloropropene	ND	0.0050	1	11/16/2015 11:44
cis-1,3-Dichloropropene	ND	0.0050	1	11/16/2015 11:44
trans-1,3-Dichloropropene	ND	0.0050	1	11/16/2015 11:44
Diisopropyl ether (DIPE)	ND	0.0050	1	11/16/2015 11:44
Ethylbenzene	ND	0.0050	1	11/16/2015 11:44
Ethyl tert-butyl ether (ETBE)	ND	0.0050	1	11/16/2015 11:44
Freon 113	ND	0.0050	1	11/16/2015 11:44
Hexachlorobutadiene	ND	0.0050	1	11/16/2015 11:44
Hexachloroethane	ND	0.0050	1	11/16/2015 11:44
2-Hexanone	ND	0.0050	1	11/16/2015 11:44
Isopropylbenzene	ND	0.0050	1	11/16/2015 11:44
4-Isopropyl toluene	ND	0.0050	1	11/16/2015 11:44
Methyl-t-butyl ether (MTBE)	ND	0.0050	1	11/16/2015 11:44
Methylene chloride	ND	0.0050	1	11/16/2015 11:44
4-Methyl-2-pentanone (MIBK)	ND	0.0050	1	11/16/2015 11:44
Naphthalene	ND	0.0050	1	11/16/2015 11:44
n-Propyl benzene	ND	0.0050	1	11/16/2015 11:44
Styrene	ND	0.0050	1	11/16/2015 11:44
1,1,1,2-Tetrachloroethane	ND	0.0050	1	11/16/2015 11:44
1,1,2,2-Tetrachloroethane	ND	0.0050	1	11/16/2015 11:44
Tetrachloroethene	ND	0.0050	1	11/16/2015 11:44
Toluene	ND	0.0050	1	11/16/2015 11:44
1,2,3-Trichlorobenzene	ND	0.0050	1	11/16/2015 11:44
1,2,4-Trichlorobenzene	ND	0.0050	1	11/16/2015 11:44
1,1,1-Trichloroethane	ND	0.0050	1	11/16/2015 11:44
1,1,2-Trichloroethane	ND	0.0050	1	11/16/2015 11:44
Trichloroethene	ND	0.0050	1	11/16/2015 11:44
Trichlorofluoromethane	ND	0.0050	1	11/16/2015 11:44
1,2,3-Trichloropropane	ND	0.0050	1	11/16/2015 11:44
1,2,4-Trimethylbenzene	ND	0.0050	1	11/16/2015 11:44
1,3,5-Trimethylbenzene	ND	0.0050	1	11/16/2015 11:44
Vinyl Chloride	ND	0.0050	1	11/16/2015 11:44
Xylenes, Total	ND	0.0050	1	11/16/2015 11:44

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Analytical Report

Client:	Basics Environmental	**WorkOrder:**	1511651
Date Received:	11/13/15 19:17	**Extraction Method:**	SW5030B
Date Prepared:	11/16/15	**Analytical Method:**	SW8260B
Project:	Pleasanton, CA	**Unit:**	mg/kg

Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-1-5.5	1511651-008B	Soil	11/13/2015 10:05	GC10	112987

Analytes	Result	RL	DF	Date Analyzed
Surrogates	**REC (%)**	**Limits**		
Dibromofluoromethane	99	70-130		11/16/2015 11:44
Toluene-d8	110	70-130		11/16/2015 11:44
4-BFB	91	70-130		11/16/2015 11:44
Benzene-d6	80	60-140		11/16/2015 11:44
Ethylbenzene-d10	100	60-140		11/16/2015 11:44
1,2-DCB-d4	73	60-140		11/16/2015 11:44

Analyst(s): KF

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Analytical Report

Client:	Basics Environmental	**WorkOrder:**	1511651
Date Received:	11/13/15 19:17	**Extraction Method:**	SW5030B
Date Prepared:	11/17/15	**Analytical Method:**	SW8260B
Project:	Pleasanton, CA	**Unit:**	µg/L

Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-2-W	1511651-012A	Water	11/12/2015 14:20	GC28	113041

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	10	1	11/17/2015 13:35
tert-Amyl methyl ether (TAME)	ND	0.50	1	11/17/2015 13:35
Benzene	ND	0.50	1	11/17/2015 13:35
Bromobenzene	ND	0.50	1	11/17/2015 13:35
Bromochloromethane	ND	0.50	1	11/17/2015 13:35
Bromodichloromethane	**1.3**	0.50	1	11/17/2015 13:35
Bromoform	ND	0.50	1	11/17/2015 13:35
Bromomethane	ND	0.50	1	11/17/2015 13:35
2-Butanone (MEK)	ND	2.0	1	11/17/2015 13:35
t-Butyl alcohol (TBA)	ND	2.0	1	11/17/2015 13:35
n-Butyl benzene	**4.9**	0.50	1	11/17/2015 13:35
sec-Butyl benzene	**1.1**	0.50	1	11/17/2015 13:35
tert-Butyl benzene	ND	0.50	1	11/17/2015 13:35
Carbon Disulfide	ND	0.50	1	11/17/2015 13:35
Carbon Tetrachloride	ND	0.50	1	11/17/2015 13:35
Chlorobenzene	ND	0.50	1	11/17/2015 13:35
Chloroethane	ND	0.50	1	11/17/2015 13:35
Chloroform	**5.8**	0.50	1	11/17/2015 13:35
Chloromethane	ND	0.50	1	11/17/2015 13:35
2-Chlorotoluene	ND	0.50	1	11/17/2015 13:35
4-Chlorotoluene	ND	0.50	1	11/17/2015 13:35
Dibromochloromethane	ND	0.50	1	11/17/2015 13:35
1,2-Dibromo-3-chloropropane	ND	0.20	1	11/17/2015 13:35
1,2-Dibromoethane (EDB)	ND	0.50	1	11/17/2015 13:35
Dibromomethane	ND	0.50	1	11/17/2015 13:35
1,2-Dichlorobenzene	ND	0.50	1	11/17/2015 13:35
1,3-Dichlorobenzene	ND	0.50	1	11/17/2015 13:35
1,4-Dichlorobenzene	ND	0.50	1	11/17/2015 13:35
Dichlorodifluoromethane	ND	0.50	1	11/17/2015 13:35
1,1-Dichloroethane	ND	0.50	1	11/17/2015 13:35
1,2-Dichloroethane (1,2-DCA)	ND	0.50	1	11/17/2015 13:35
1,1-Dichloroethene	ND	0.50	1	11/17/2015 13:35
cis-1,2-Dichloroethene	ND	0.50	1	11/17/2015 13:35
trans-1,2-Dichloroethene	ND	0.50	1	11/17/2015 13:35
1,2-Dichloropropane	ND	0.50	1	11/17/2015 13:35
1,3-Dichloropropane	ND	0.50	1	11/17/2015 13:35
2,2-Dichloropropane	ND	0.50	1	11/17/2015 13:35

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Analytical Report

Client:	Basics Environmental	**WorkOrder:**	1511651
Date Received:	11/13/15 19:17	**Extraction Method:**	SW5030B
Date Prepared:	11/17/15	**Analytical Method:**	SW8260B
Project:	Pleasanton, CA	**Unit:**	µg/L

Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-2-W	1511651-012A	Water	11/12/2015 14:20	GC28	113041

Analytes	Result	RL	DF	Date Analyzed
1,1-Dichloropropene	ND	0.50	1	11/17/2015 13:35
cis-1,3-Dichloropropene	ND	0.50	1	11/17/2015 13:35
trans-1,3-Dichloropropene	ND	0.50	1	11/17/2015 13:35
Diisopropyl ether (DIPE)	ND	0.50	1	11/17/2015 13:35
Ethylbenzene	**6.1**	0.50	1	11/17/2015 13:35
Ethyl tert-butyl ether (ETBE)	ND	0.50	1	11/17/2015 13:35
Freon 113	ND	0.50	1	11/17/2015 13:35
Hexachlorobutadiene	ND	0.50	1	11/17/2015 13:35
Hexachloroethane	ND	0.50	1	11/17/2015 13:35
2-Hexanone	ND	0.50	1	11/17/2015 13:35
Isopropylbenzene	**1.1**	0.50	1	11/17/2015 13:35
4-Isopropyl toluene	ND	0.50	1	11/17/2015 13:35
Methyl-t-butyl ether (MTBE)	ND	0.50	1	11/17/2015 13:35
Methylene chloride	ND	0.50	1	11/17/2015 13:35
4-Methyl-2-pentanone (MIBK)	ND	0.50	1	11/17/2015 13:35
Naphthalene	**5.3**	0.50	1	11/17/2015 13:35
n-Propyl benzene	**4.5**	0.50	1	11/17/2015 13:35
Styrene	ND	0.50	1	11/17/2015 13:35
1,1,1,2-Tetrachloroethane	ND	0.50	1	11/17/2015 13:35
1,1,2,2-Tetrachloroethane	ND	0.50	1	11/17/2015 13:35
Tetrachloroethene	ND	0.50	1	11/17/2015 13:35
Toluene	ND	0.50	1	11/17/2015 13:35
1,2,3-Trichlorobenzene	ND	0.50	1	11/17/2015 13:35
1,2,4-Trichlorobenzene	ND	0.50	1	11/17/2015 13:35
1,1,1-Trichloroethane	ND	0.50	1	11/17/2015 13:35
1,1,2-Trichloroethane	ND	0.50	1	11/17/2015 13:35
Trichloroethene	ND	0.50	1	11/17/2015 13:35
Trichlorofluoromethane	ND	0.50	1	11/17/2015 13:35
1,2,3-Trichloropropane	ND	0.50	1	11/17/2015 13:35
1,2,4-Trimethylbenzene	**28**	0.50	1	11/17/2015 13:35
1,3,5-Trimethylbenzene	**7.2**	0.50	1	11/17/2015 13:35
Vinyl Chloride	ND	0.50	1	11/17/2015 13:35
Xylenes, Total	**19**	0.50	1	11/17/2015 13:35

(Cont.)

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Analytical Report

Client:	Basics Environmental	**WorkOrder:**	1511651
Date Received:	11/13/15 19:17	**Extraction Method:**	SW5030B
Date Prepared:	11/17/15	**Analytical Method:**	SW8260B
Project:	Pleasanton, CA	**Unit:**	µg/L

Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-2-W	1511651-012A	Water	11/12/2015 14:20	GC28	113041

Analytes	Result	RL	DF	Date Analyzed
Surrogates	REC (%)	Limits		
Dibromofluoromethane	95	70-130		11/17/2015 13:35
Toluene-d8	84	70-130		11/17/2015 13:35
4-BFB	76	70-130		11/17/2015 13:35

Analyst(s): KF

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Analytical Report

Client:	Basics Environmental	**WorkOrder:**	1511651
Date Received:	11/13/15 19:17	**Extraction Method:**	SW5030B
Date Prepared:	11/16/15	**Analytical Method:**	SW8021B/8015Bm
Project:	Pleasanton, CA	**Unit:**	mg/Kg

Gasoline Range(C6-C12) & Stoddard Solvent Range (C9-C12) Volatile Hydrocarbons W/BTEX & MTBE

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-2-2	1511651-001B	Soil	11/13/2015 08:15	GC19	112983

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	ND	1.0	1	11/16/2015 22:59
MTBE	---	0.050	1	11/16/2015 22:59
Benzene	---	0.0050	1	11/16/2015 22:59
Toluene	---	0.0050	1	11/16/2015 22:59
Ethylbenzene	---	0.0050	1	11/16/2015 22:59
TPH(ss)	ND	1.0	1	11/16/2015 22:59
Xylenes	---	0.0050	1	11/16/2015 22:59

Surrogates	REC (%)	Limits	
2-Fluorotoluene	101	70-130	11/16/2015 22:59

Analyst(s): IA

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-1-5.5	1511651-008B	Soil	11/13/2015 10:05	GC7	112983

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	ND	1.0	1	11/16/2015 21:16
MTBE	---	0.050	1	11/16/2015 21:16
Benzene	---	0.0050	1	11/16/2015 21:16
Toluene	---	0.0050	1	11/16/2015 21:16
Ethylbenzene	---	0.0050	1	11/16/2015 21:16
TPH(ss)	ND	1.0	1	11/16/2015 21:16
Xylenes	---	0.0050	1	11/16/2015 21:16

Surrogates	REC (%)	Limits	
2-Fluorotoluene	91	70-130	11/16/2015 21:16

Analyst(s): IA

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Analytical Report

Client:	Basics Environmental	**WorkOrder:**	1511651
Date Received:	11/13/15 19:17	**Extraction Method:**	SW5030B
Date Prepared:	11/18/15	**Analytical Method:**	SW8021B/8015Bm
Project:	Pleasanton, CA	**Unit:**	µg/L

Gasoline Range(C6-C12) & Stoddard Solvent Range(C9-C12) Volatile Hydrocarbons W/BTEX & MTBE

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-2-W	1511651-012B	Water	11/12/2015 14:20	GC3	113157

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	**1400**	50	1	11/18/2015 15:06
MTBE	---	5.0	1	11/18/2015 15:06
Benzene	---	0.50	1	11/18/2015 15:06
Toluene	---	0.50	1	11/18/2015 15:06
Ethylbenzene	---	0.50	1	11/18/2015 15:06
TPH(ss)	**1400**	50	1	11/18/2015 15:06
Xylenes	---	0.50	1	11/18/2015 15:06

Surrogates	REC (%)	Qualifiers	Limits	
aaa-TFT	134	S	70-130	11/18/2015 15:06

Analyst(s): IA Analytical Comments: d2,d9,c4

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Analytical Report

Client:	Basics Environmental	**WorkOrder:**	1511651
Date Received:	11/13/15 19:17	**Extraction Method:**	SW3050B
Date Prepared:	11/16/15	**Analytical Method:**	SW6020
Project:	Pleasanton, CA	**Unit:**	mg/Kg

LUFT 5 Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-2-2	1511651-001B	Soil	11/13/2015 08:15	ICP-MS1	112978

Analytes	Result	RL	DF	Date Analyzed
Cadmium	**0.36**	0.25	1	11/16/2015 21:23
Chromium	**130**	0.50	1	11/16/2015 21:23
Lead	**61**	0.50	1	11/16/2015 21:23
Nickel	**80**	0.50	1	11/16/2015 21:23
Zinc	**110**	5.0	1	11/16/2015 21:23

Surrogates	REC (%)	Limits	
Terbium	106	70-130	11/16/2015 21:23

Analyst(s): DVH

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-1-5.5	1511651-008B	Soil	11/13/2015 10:05	ICP-MS1	112978

Analytes	Result	RL	DF	Date Analyzed
Cadmium	ND	0.25	1	11/16/2015 21:29
Chromium	**260**	0.50	1	11/16/2015 21:29
Lead	**10**	0.50	1	11/16/2015 21:29
Nickel	**240**	0.50	1	11/16/2015 21:29
Zinc	**60**	5.0	1	11/16/2015 21:29

Surrogates	REC (%)	Limits	
Terbium	106	70-130	11/16/2015 21:29

Analyst(s): DVH

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Analytical Report

Client:	Basics Environmental	**WorkOrder:**	1511651
Date Received:	11/13/15 19:17	**Extraction Method:**	E200.8
Date Prepared:	11/16/15	**Analytical Method:**	E200.8
Project:	Pleasanton, CA	**Unit:**	µg/L

Dissolved LUFT 5 Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-2-W	1511651-012C	Water	11/12/2015 14:20	ICP-MS2	112971

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Cadmium	ND	F	0.25	1	11/16/2015 21:48
Chromium	ND	F	0.50	1	11/16/2015 21:48
Lead	ND	F	0.50	1	11/16/2015 21:48
Nickel	**4.8**	F	0.50	1	11/16/2015 21:48
Zinc	ND	F	15	1	11/16/2015 21:48

Analyst(s): BBO

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Analytical Report

Client:	Basics Environmental	**WorkOrder:**	1511651
Date Received:	11/13/15 19:17	**Extraction Method:**	SW3550B
Date Prepared:	11/16/15	**Analytical Method:**	SW8015B
Project:	Pleasanton, CA	**Unit:**	mg/Kg

Total Extractable Petroleum Hydrocarbons w/out SG Clean-Up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-2-2	1511651-001B	Soil	11/13/2015 08:15	GC2A	112979

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**16**	10	10	11/17/2015 05:47
Surrogates	**REC (%)**	**Limits**		
C9	98	70-130		11/17/2015 05:47

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

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-1-5.5	1511651-008B	Soil	11/13/2015 10:05	GC2A	112979

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	ND	1.0	1	11/17/2015 17:05
Surrogates	**REC (%)**	**Limits**		
C9	99	70-130		11/17/2015 17:05

Analyst(s): TK

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Analytical Report

Client:	Basics Environmental	**WorkOrder:**	1511651
Date Received:	11/13/15 19:17	**Extraction Method:**	SW3510C
Date Prepared:	11/16/15	**Analytical Method:**	SW8015B
Project:	Pleasanton, CA	**Unit:**	µg/L

Total Extractable Petroleum Hydrocarbons w/out SG Clean-Up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-2-W	1511651-012B	Water	11/12/2015 14:20	GC9b	112980

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**1000**	100	1	11/16/2015 17:03

Surrogates	REC (%)	Limits	
C9	100	70-130	11/16/2015 17:03

Analyst(s): TK Analytical Comments: e4

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Quality Control Report

Client:	Basics Environmental	**WorkOrder:**	1511651
Date Prepared:	11/16/15	**BatchID:**	112956
Date Analyzed:	11/16/15	**Extraction Method:**	SW5030B
Instrument:	GC16, GC18	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/Kg
Project:	Pleasanton, CA	**Sample ID:**	MB/LCS-112956 1511658-017AMS/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	0.0412	0.0050	0.050	-	82	53-116
Benzene	ND	0.0455	0.0050	0.050	-	91	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	0.171	0.050	0.20	-	86	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	0.0471	0.0050	0.050	-	94	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	0.0441	0.0040	0.050	-	88	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	0.0436	0.0040	0.050	-	87	58-135
1,1-Dichloroethene	ND	0.0453	0.0050	0.050	-	91	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:	Basics Environmental	**WorkOrder:**	1511651
Date Prepared:	11/16/15	**BatchID:**	112956
Date Analyzed:	11/16/15	**Extraction Method:**	SW5030B
Instrument:	GC16, GC18	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/Kg
Project:	Pleasanton, CA	**Sample ID:**	MB/LCS-112956 1511658-017AMS/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	0.0400	0.0050	0.050	-	80	52-129
Ethylbenzene	ND	-	0.0050	-	-	-	-
Ethyl tert-butyl ether (ETBE)	ND	0.0406	0.0050	0.050	-	81	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	0.0436	0.0050	0.050	-	87	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	0.0442	0.0050	0.050	-	88	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	0.0490	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:	Basics Environmental	**WorkOrder:**	1511651
Date Prepared:	11/16/15	**BatchID:**	112956
Date Analyzed:	11/16/15	**Extraction Method:**	SW5030B
Instrument:	GC16, GC18	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/Kg
Project:	Pleasanton, CA	**Sample ID:**	MB/LCS-112956 1511658-017AMS/MSD

QC Summary Report for SW8260B

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Surrogate Recovery							
Dibromofluoromethane	0.115	0.123		0.12	92	99	70-130
Toluene-d8	0.120	0.131		0.12	96	105	70-130
4-BFB	0.0107	0.0125		0.012	85	100	70-130
Benzene-d6	0.0861	0.101		0.10	86	101	60-140
Ethylbenzene-d10	0.0944	0.108		0.10	94	108	60-140
1,2-DCB-d4	0.0687	0.0948		0.10	69	95	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)	0.0378	0.0383	0.050	ND	76	77	70-130	1.19	20
Benzene	0.0391	0.0392	0.050	ND	78	78	70-130	0	20
t-Butyl alcohol (TBA)	0.170	0.171	0.20	ND	85	85	70-130	0	20
Chlorobenzene	0.0400	0.0406	0.050	ND	80	81	70-130	1.46	20
1,2-Dibromoethane (EDB)	0.0375	0.0376	0.050	ND	75	75	70-130	0	20
1,2-Dichloroethane (1,2-DCA)	0.0396	0.0403	0.050	ND	79	81	70-130	1.59	20
1,1-Dichloroethene	0.0392	0.0395	0.050	ND	78	79	70-130	0.918	20
Diisopropyl ether (DIPE)	0.0400	0.0400	0.050	ND	80	80	70-130	0	20
Ethyl tert-butyl ether (ETBE)	0.0391	0.0392	0.050	ND	78	78	70-130	0	20
Methyl-t-butyl ether (MTBE)	0.0384	0.0388	0.050	ND	77	78	70-130	1.04	20
Toluene	0.0426	0.0428	0.050	ND	85	86	70-130	0.334	20
Trichloroethene	0.0391	0.0401	0.050	ND	78	80	70-130	2.52	20
Surrogate Recovery									
Dibromofluoromethane	0.125	0.126	0.12		100	101	70-130	0.764	20
Toluene-d8	0.132	0.132	0.12		106	105	70-130	0.382	20
4-BFB	0.0106	0.0109	0.012		85	87	70-130	2.55	20
Benzene-d6	0.0770	0.0772	0.10		77	77	60-140	0	20
Ethylbenzene-d10	0.0906	0.0914	0.10		91	91	60-140	0	20
1,2-DCB-d4	0.0685	0.0687	0.10		69	69	60-140	0	20

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CDPH ELAP 1644 ♦ NELAP 4033ORELAP

QA/QC Officer

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Quality Control Report

Client:	Basics Environmental	**WorkOrder:**	1511651
Date Prepared:	11/16/15	**BatchID:**	112987
Date Analyzed:	11/16/15	**Extraction Method:**	SW5030B
Instrument:	GC10	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/Kg
Project:	Pleasanton, CA	**Sample ID:**	MB/LCS-112987 1511651-008BMS/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	0.0417	0.0050	0.050	-	83	53-116
Benzene	ND	0.0426	0.0050	0.050	-	85	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	0.193	0.050	0.20	-	96	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	0.0451	0.0050	0.050	-	90	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	0.0422	0.0040	0.050	-	84	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	0.0434	0.0040	0.050	-	87	58-135
1,1-Dichloroethene	ND	0.0430	0.0050	0.050	-	86	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:	Basics Environmental	**WorkOrder:**	1511651
Date Prepared:	11/16/15	**BatchID:**	112987
Date Analyzed:	11/16/15	**Extraction Method:**	SW5030B
Instrument:	GC10	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/Kg
Project:	Pleasanton, CA	**Sample ID:**	MB/LCS-112987 1511651-008BMS/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	0.0440	0.0050	0.050	-	88	52-129
Ethylbenzene	ND	-	0.0050	-	-	-	-
Ethyl tert-butyl ether (ETBE)	ND	0.0432	0.0050	0.050	-	86	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	0.0424	0.0050	0.050	-	85	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	0.0484	0.0050	0.050	-	97	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	0.0433	0.0050	0.050	-	87	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:	Basics Environmental	**WorkOrder:**	1511651
Date Prepared:	11/16/15	**BatchID:**	112987
Date Analyzed:	11/16/15	**Extraction Method:**	SW5030B
Instrument:	GC10	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/Kg
Project:	Pleasanton, CA	**Sample ID:**	MB/LCS-112987 1511651-008BMS/MSD

QC Summary Report for SW8260B

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Surrogate Recovery							
Dibromofluoromethane	0.122	0.123		0.12	97	98	70-130
Toluene-d8	0.136	0.136		0.12	109	109	70-130
4-BFB	0.0100	0.0110		0.012	80	88	70-130
Benzene-d6	0.0793	0.0859		0.10	79	86	60-140
Ethylbenzene-d10	0.0979	0.109		0.10	98	109	60-140
1,2-DCB-d4	0.0757	0.0751		0.10	76	75	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)	0.0339	0.0344	0.050	ND	68,F1	69,F1	70-130	1.57	20
Benzene	0.0338	0.0345	0.050	ND	68,F1	69,F1	70-130	2.10	20
t-Butyl alcohol (TBA)	0.150	0.151	0.20	ND	75	76	70-130	0.673	20
Chlorobenzene	0.0351	0.0361	0.050	ND	70	72	70-130	2.81	20
1,2-Dibromoethane (EDB)	0.0324	0.0334	0.050	ND	65,F1	67,F1	70-130	3.27	20
1,2-Dichloroethane (1,2-DCA)	0.0348	0.0355	0.050	ND	70	71	70-130	2.18	20
1,1-Dichloroethene	0.0339	0.0344	0.050	ND	68,F1	69,F1	70-130	1.68	20
Diisopropyl ether (DIPE)	0.0354	0.0361	0.050	ND	71	72	70-130	2.07	20
Ethyl tert-butyl ether (ETBE)	0.0346	0.0352	0.050	ND	69,F1	70	70-130	1.71	20
Methyl-t-butyl ether (MTBE)	0.0339	0.0342	0.050	ND	68,F1	69,F1	70-130	1.03	20
Toluene	0.0370	0.0379	0.050	ND	74	76	70-130	2.28	20
Trichloroethene	0.0342	0.0348	0.050	ND	68,F1	70	70-130	1.85	20
Surrogate Recovery									
Dibromofluoromethane	0.126	0.125	0.12		100	100	70-130	0	20
Toluene-d8	0.130	0.131	0.12		104	105	70-130	0.674	20
4-BFB	0.0105	0.0108	0.012		84	87	70-130	2.78	20
Benzene-d6	0.0691	0.0701	0.10		69	70	60-140	1.42	20
Ethylbenzene-d10	0.0793	0.0825	0.10		79	82	60-140	3.90	20
1,2-DCB-d4	0.0627	0.0607	0.10		63	61	60-140	3.21	20

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Quality Control Report

Client:	Basics Environmental	**WorkOrder:**	1511651
Date Prepared:	11/17/15	**BatchID:**	113041
Date Analyzed:	11/17/15	**Extraction Method:**	SW5030B
Instrument:	GC28	**Analytical Method:**	SW8260B
Matrix:	Water	**Unit:**	µg/L
Project:	Pleasanton, CA	**Sample ID:**	MB/LCS-113041 1511658-007BMS/MSD

QC Summary Report for SW8260B

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Acetone	ND	-	10	-	-	-	-
tert-Amyl methyl ether (TAME)	ND	8.23	0.50	10	-	82	54-140
Benzene	ND	9.20	0.50	10	-	92	47-158
Bromobenzene	ND	-	0.50	-	-	-	-
Bromochloromethane	ND	-	0.50	-	-	-	-
Bromodichloromethane	ND	-	0.50	-	-	-	-
Bromoform	ND	-	0.50	-	-	-	-
Bromomethane	ND	-	0.50	-	-	-	-
2-Butanone (MEK)	ND	-	2.0	-	-	-	-
t-Butyl alcohol (TBA)	ND	29.0	2.0	40	-	73	42-140
n-Butyl benzene	ND	-	0.50	-	-	-	-
sec-Butyl benzene	ND	-	0.50	-	-	-	-
tert-Butyl benzene	ND	-	0.50	-	-	-	-
Carbon Disulfide	ND	-	0.50	-	-	-	-
Carbon Tetrachloride	ND	-	0.50	-	-	-	-
Chlorobenzene	ND	9.56	0.50	10	-	96	43-157
Chloroethane	ND	-	0.50	-	-	-	-
Chloroform	ND	-	0.50	-	-	-	-
Chloromethane	ND	-	0.50	-	-	-	-
2-Chlorotoluene	ND	-	0.50	-	-	-	-
4-Chlorotoluene	ND	-	0.50	-	-	-	-
Dibromochloromethane	ND	-	0.50	-	-	-	-
1,2-Dibromo-3-chloropropane	ND	-	0.20	-	-	-	-
1,2-Dibromoethane (EDB)	ND	9.31	0.50	10	-	93	44-155
Dibromomethane	ND	-	0.50	-	-	-	-
1,2-Dichlorobenzene	ND	-	0.50	-	-	-	-
1,3-Dichlorobenzene	ND	-	0.50	-	-	-	-
1,4-Dichlorobenzene	ND	-	0.50	-	-	-	-
Dichlorodifluoromethane	ND	-	0.50	-	-	-	-
1,1-Dichloroethane	ND	-	0.50	-	-	-	-
1,2-Dichloroethane (1,2-DCA)	ND	8.14	0.50	10	-	81	66-125
1,1-Dichloroethene	ND	9.77	0.50	10	-	98	47-149
cis-1,2-Dichloroethene	ND	-	0.50	-	-	-	-
trans-1,2-Dichloroethene	ND	-	0.50	-	-	-	-
1,2-Dichloropropane	ND	-	0.50	-	-	-	-
1,3-Dichloropropane	ND	-	0.50	-	-	-	-
2,2-Dichloropropane	ND	-	0.50	-	-	-	-

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Quality Control Report

Client:	Basics Environmental	**WorkOrder:**	1511651
Date Prepared:	11/17/15	**BatchID:**	113041
Date Analyzed:	11/17/15	**Extraction Method:**	SW5030B
Instrument:	GC28	**Analytical Method:**	SW8260B
Matrix:	Water	**Unit:**	µg/L
Project:	Pleasanton, CA	**Sample ID:**	MB/LCS-113041 1511658-007BMS/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	-	0.50	-	-	-	-
cis-1,3-Dichloropropene	ND	-	0.50	-	-	-	-
trans-1,3-Dichloropropene	ND	-	0.50	-	-	-	-
Diisopropyl ether (DIPE)	ND	8.78	0.50	10	-	88	57-136
Ethylbenzene	ND	-	0.50	-	-	-	-
Ethyl tert-butyl ether (ETBE)	ND	8.29	0.50	10	-	83	55-137
Freon 113	ND	-	0.50	-	-	-	-
Hexachlorobutadiene	ND	-	0.50	-	-	-	-
Hexachloroethane	ND	-	0.50	-	-	-	-
2-Hexanone	ND	-	0.50	-	-	-	-
Isopropylbenzene	ND	-	0.50	-	-	-	-
4-Isopropyl toluene	ND	-	0.50	-	-	-	-
Methyl-t-butyl ether (MTBE)	ND	8.16	0.50	10	-	82	53-139
Methylene chloride	ND	-	0.50	-	-	-	-
4-Methyl-2-pentanone (MIBK)	ND	-	0.50	-	-	-	-
Naphthalene	ND	-	0.50	-	-	-	-
n-Propyl benzene	ND	-	0.50	-	-	-	-
Styrene	ND	-	0.50	-	-	-	-
1,1,1,2-Tetrachloroethane	ND	-	0.50	-	-	-	-
1,1,2,2-Tetrachloroethane	ND	-	0.50	-	-	-	-
Tetrachloroethene	ND	-	0.50	-	-	-	-
Toluene	ND	8.56	0.50	10	-	86	52-137
1,2,3-Trichlorobenzene	ND	-	0.50	-	-	-	-
1,2,4-Trichlorobenzene	ND	-	0.50	-	-	-	-
1,1,1-Trichloroethane	ND	-	0.50	-	-	-	-
1,1,2-Trichloroethane	ND	-	0.50	-	-	-	-
Trichloroethene	ND	10.5	0.50	10	-	105	43-157
Trichlorofluoromethane	ND	-	0.50	-	-	-	-
1,2,3-Trichloropropane	ND	-	0.50	-	-	-	-
1,2,4-Trimethylbenzene	ND	-	0.50	-	-	-	-
1,3,5-Trimethylbenzene	ND	-	0.50	-	-	-	-
Vinyl Chloride	ND	-	0.50	-	-	-	-
Xylenes, Total	ND	-	0.50	-	-	-	-

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Quality Control Report

Client:	Basics Environmental	**WorkOrder:**	1511651
Date Prepared:	11/17/15	**BatchID:**	113041
Date Analyzed:	11/17/15	**Extraction Method:**	SW5030B
Instrument:	GC28	**Analytical Method:**	SW8260B
Matrix:	Water	**Unit:**	µg/L
Project:	Pleasanton, CA	**Sample ID:**	MB/LCS-113041 1511658-007BMS/MSD

QC Summary Report for SW8260B

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Surrogate Recovery							
Dibromofluoromethane	23.6	23.6		25	94	95	70-130
Toluene-d8	21.7	21.7		25	87	87	70-130
4-BFB	2.02	2.00		2.5	81	80	70-130

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
tert-Amyl methyl ether (TAME)	7.81	8.53	10	ND	78	85	69-139	8.83	20
Benzene	8.36	8.97	10	ND	84	90	69-141	7.03	20
t-Butyl alcohol (TBA)	29.8	31.3	40	ND	75	78	41-152	4.93	20
Chlorobenzene	8.99	9.68	10	ND	90	97	77-120	7.42	20
1,2-Dibromoethane (EDB)	9.30	9.85	10	ND	93	99	76-135	5.78	20
1,2-Dichloroethane (1,2-DCA)	7.83	8.37	10	ND	78	84	73-139	6.65	20
1,1-Dichloroethene	9.06	9.46	10	ND	91	95	59-140	4.33	20
Diisopropyl ether (DIPE)	8.25	8.91	10	ND	82	89	72-140	7.71	20
Ethyl tert-butyl ether (ETBE)	7.88	8.54	10	ND	79	85	71-140	8.09	20
Methyl-t-butyl ether (MTBE)	7.86	8.47	10	ND	79	85	73-139	7.48	20
Toluene	7.82	8.37	10	ND	78	84	71-128	6.76	20
Trichloroethene	9.59	10.2	10	ND	96	102	64-132	6.67	20
Surrogate Recovery									
Dibromofluoromethane	23.6	23.7	25		94	95	70-130	0.247	20
Toluene-d8	21.7	21.6	25		87	86	70-130	0.488	20
4-BFB	2.01	1.98	2.5		80	79	70-130	1.64	20

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Quality Control Report

Client:	Basics Environmental	**WorkOrder:**	1511651
Date Prepared:	11/16/15	**BatchID:**	112980
Date Analyzed:	11/16/15 - 11/17/15	**Extraction Method:**	SW3510C
Instrument:	GC2A, GC9b	**Analytical Method:**	SW8015B
Matrix:	Water	**Unit:**	µg/L
Project:	Pleasanton, CA	**Sample ID:**	MB/LCS-112980

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	1020	50	1000	-	102	61-157
TPH-Motor Oil (C18-C36)	ND	-	250	-	-	-	-
Surrogate Recovery							
C9	602	610		625	96	98	65-122

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Quality Control Report

Client:	Basics Environmental	**WorkOrder:**	1511651
Date Prepared:	11/16/15	**BatchID:**	112983
Date Analyzed:	11/16/15	**Extraction Method:**	SW5030B
Instrument:	GC19	**Analytical Method:**	SW8021B/8015Bm
Matrix:	Soil	**Unit:**	mg/Kg
Project:	Pleasanton, CA	**Sample ID:**	MB/LCS-112983 1511651-001BMS/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	0.599	0.40	0.60	-	100	70-130
MTBE	ND	0.0930	0.050	0.10	-	93	70-130
Benzene	ND	0.104	0.0050	0.10	-	104	70-130
Toluene	ND	0.105	0.0050	0.10	-	105	70-130
Ethylbenzene	ND	0.108	0.0050	0.10	-	108	70-130
Xylenes	ND	0.344	0.0050	0.30	-	115	70-130
Surrogate Recovery							
2-Fluorotoluene	0.121	0.124		0.10	121	124	70-130

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
TPH(btex)	0.432	0.475	0.60	ND	72	79	70-130	9.47	20
MTBE	0.0751	0.0768	0.10	ND	75	77	70-130	2.24	20
Benzene	0.0691	0.0763	0.10	ND	69,F1	76	70-130	9.89	20
Toluene	0.0690	0.0724	0.10	ND	69,F1	72	70-130	4.75	20
Ethylbenzene	0.0759	0.0784	0.10	ND	76	78	70-130	3.19	20
Xylenes	0.239	0.247	0.30	ND	80	82	70-130	3.48	20
Surrogate Recovery									
2-Fluorotoluene	0.0896	0.0908	0.10		90	91	70-130	1.38	20

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Quality Control Report

Client:	Basics Environmental	**WorkOrder:**	1511651
Date Prepared:	11/18/15	**BatchID:**	113157
Date Analyzed:	11/18/15	**Extraction Method:**	SW5030B
Instrument:	GC3	**Analytical Method:**	SW8021B/8015Bm
Matrix:	Water	**Unit:**	µg/L
Project:	Pleasanton, CA	**Sample ID:**	MB/LCS-113157 1511782-001IMS/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	57.6	40	60	-	96	70-130
MTBE	ND	9.87	5.0	10	-	99	70-130
Benzene	ND	9.73	0.50	10	-	97	70-130
Toluene	ND	9.96	0.50	10	-	100	70-130
Ethylbenzene	ND	10.2	0.50	10	-	102	70-130
Xylenes	ND	31.0	1.5	30	-	103	70-130
Surrogate Recovery							
aaa-TFT	8.15	8.76		10	81	88	70-130

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
TPH(btex)	59.0	58.8	60	ND	98	98	70-130	0	20
MTBE	9.29	9.47	10	ND	93	95	70-130	1.83	20
Benzene	9.84	10.1	10	ND	98	101	70-130	2.17	20
Toluene	10.0	10.2	10	ND	98	100	70-130	1.79	20
Ethylbenzene	10.2	10.4	10	ND	102	104	70-130	2.24	20
Xylenes	30.8	31.5	30	ND	102	104	70-130	2.36	20
Surrogate Recovery									
aaa-TFT	9.06	8.96	10		91	90	70-130	1.11	20

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Quality Control Report

Client:	Basics Environmental	**WorkOrder:**	1511651
Date Prepared:	11/16/15	**BatchID:**	112978
Date Analyzed:	11/16/15 - 11/17/15	**Extraction Method:**	SW3050B
Instrument:	ICP-MS1, ICP-MS2	**Analytical Method:**	SW6020
Matrix:	Soil	**Unit:**	mg/Kg
Project:	Pleasanton, CA	**Sample ID:**	MB/LCS-112978 1511660-010AMS/MSD

QC Summary Report for Metals

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Cadmium	ND	55.8	0.25	50	-	112	75-125
Chromium	ND	52.1	0.50	50	-	104	75-125
Lead	ND	56.4	0.50	50	-	113	75-125
Nickel	ND	53.1	0.50	50	-	106	75-125
Zinc	ND	554	5.0	500	-	111	75-125
Surrogate Recovery							
Terbium	512	609		500	102	122	70-130

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
Cadmium	49.3	49.1	50	0.27	98	98	75-125	0	20
Chromium	117	116	50	70	95	92	75-125	1.12	20
Lead	59.7	59.2	50	10.56	98	97	75-125	0.925	20
Nickel	136	136	50	92	89	88	75-125	0.515	20
Zinc	547	551	500	66	96	97	75-125	0.711	20
Surrogate Recovery									
Terbium	542	532	500		108	106	70-130	1.99	20

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Quality Control Report

Client:	Basics Environmental	**WorkOrder:**	1511651
Date Prepared:	11/16/15	**BatchID:**	112971
Date Analyzed:	11/16/15	**Extraction Method:**	E200.8
Instrument:	ICP-MS2	**Analytical Method:**	E200.8
Matrix:	Water	**Unit:**	µg/L
Project:	Pleasanton, CA	**Sample ID:**	MB/LCS-112971 1511658-012CMS/MSD

QC Summary Report for Dissolved Metals

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Cadmium	ND	48.4	0.25	50	-	97	85-115
Chromium	ND	50.0	0.50	50	-	100	85-115
Lead	ND	49.1	0.50	50	-	98	85-115
Nickel	ND	50.6	0.50	50	-	101	85-115
Zinc	ND	507	15	500	-	101	85-115

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
Cadmium	51.1	50.1	50	ND	102	100	70-130	2.02	20
Chromium	50.8	48.8	50	1.297	99	95	70-130	4.10	20
Lead	54.0	53.4	50	1.068	106	105	70-130	1.12	20
Nickel	54.2	52.8	50	4.884	99	96	70-130	2.54	20
Zinc	508	492	500	ND	102	98	70-130	3.08	20

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Quality Control Report

Client:	Basics Environmental	**WorkOrder:**	1511651
Date Prepared:	11/16/15	**BatchID:**	112979
Date Analyzed:	11/16/15	**Extraction Method:**	SW3550B
Instrument:	GC6A, GC9a	**Analytical Method:**	SW8015B
Matrix:	Soil	**Unit:**	mg/Kg
Project:	Pleasanton, CA	**Sample ID:**	MB/LCS-112979 1511662-006AMS/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	45.4	1.0	40	-	113	70-130
TPH-Motor Oil (C18-C36)	ND	-	5.0	-	-	-	-
Surrogate Recovery							
C9	26.4	26.4		25	106	106	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		83	NR	NR	-	NR	
Surrogate Recovery									
C9	NR	NR			NR	NR	-	NR	

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CHAIN-OF-CUSTODY RECORD

WorkOrder: 1511651 **ClientCode: BEO**

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

Report to:
Donavan Tom
Basics Environmental
655 12th Street, Suite 126
Oakland, CA 94607
(510) 834-9099 FAX: (510) 834-9098

Email: basicsenvironmental@gmail.com
cc/3rd Party: litafreeman@gmail.com;
PO:
ProjectNo: Pleasanton, CA

Bill to:
Accounts Payable
Basics Environmental
655 12th Street, Suite 126
Oakland, CA 94607

Requested TAT: 5 days;

Date Received: **11/13/2015**
Date Printed: **11/16/2015**

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
1511651-001	SB-2-2	Soil	11/13/2015 8:15	☐	B		B		B			B				
1511651-008	SB-1-5.5	Soil	11/13/2015 10:05	☐	B		B		B			B				
1511651-012	SB-2-W	Water	11/12/2015 14:20	☐		A		B		C	C		B			

Test Legend:

1	8260B_S	2	8260B_W	3	G-MBTEX_S	4	G-MBTEX_W
5	LUFTMS_6020_S	6	LUFTMS_DISS	7	PRDISSOLVED	8	TPH(D)_S
9	TPH(D)_W	10		11		12	

The following SampIDs: 001B, 008B, 012B contain testgroup.

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: BASICS ENVIRONMENTAL
QC Level: LEVEL 2
Work Order: 1511651
Project: Pleasanton, CA
Client Contact: Donavan Tom
Date Received: 11/13/2015
Comments:
Contact's Email: basicsenvironmental@gmail.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
1511651-001B	SB-2-2	Soil	SW6020 (LUFT)	1	Acetate Liner	☐	11/13/2015 8:15	5 days		☐	
			Multi-Range TPH(g,d,mo)			☐		5 days		☐	
			SW8260B (VOCs)			☐		5 days		☐	
1511651-002A	SB-2-5.5	Soil		1	Acetate Liner	☐	11/13/2015 8:25			☑	
1511651-003A	SB-2-10	Soil		1	Acetate Liner	☐	11/13/2015 8:35			☑	
1511651-004A	SB-2-15	Soil		1	Acetate Liner	☐	11/13/2015 8:40			☑	
1511651-005A	SB-2-20	Soil		1	Acetate Liner	☐	11/13/2015 8:45			☑	
1511651-006A	SB-2-30	Soil		1	Acetate Liner	☐	11/13/2015 9:05			☑	
1511651-007A	SB-1-2	Soil		1	Acetate Liner	☐	11/13/2015 10:00			☑	
1511651-008B	SB-1-5.5	Soil	SW6020 (LUFT)	1	Acetate Liner	☐	11/13/2015 10:05	5 days		☐	
			Multi-Range TPH(g,d,mo)			☐		5 days		☐	
			SW8260B (VOCs)			☐		5 days		☐	
1511651-009A	SB-1-10	Soil		1	Acetate Liner	☐	11/13/2015 10:10			☑	
1511651-010A	SB-1-15	Soil		1	Acetate Liner	☐	11/13/2015 10:15			☑	
1511651-011A	SB-1-20	Soil		1	Acetate Liner	☐	11/13/2015 10:40			☑	
1511651-012A	SB-2-W	Water	SW8260B (VOCs)	2	VOA w/ HCl	☐	11/12/2015 14:20	5 days	Present	☐	

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: BASICS ENVIRONMENTAL
QC Level: LEVEL 2
Work Order: 1511651
Project: Pleasanton, CA
Client Contact: Donavan Tom
Date Received: 11/13/2015
Comments:
Contact's Email: basicsenvironmental@gmail.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
1511651-012B	SB-2-W	Water	Multi-Range TPH(g,d,mo)	4	2 VOAs w/HCL + 2-aVOAs (multi-range)	☐	11/12/2015 14:20	5 days	Present	☐	
1511651-012C	SB-2-W	Water	E200.8 (LUFT) (Dissolved-Lab Filtered)	1	250mL HDPE, unprsv.	☐	11/12/2015 14:20	5 days	Present	☐	

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.

Calscience Environmental Laboratories, Inc.

1511651

SoCal Laboratory
7440 Lincoln Way
Garden Grove, CA 92841-1427
(714) 895-5494

NorCal Service Center
5063 Commercial Circle, Suite H
Concord, CA 94520-8577
(925) 689-9022

WO # / LAB USE ONLY

CHAIN OF CUSTODY RECORD

Date 11-13-15

Page 1 of 2

LABORATORY CLIENT: Basics Environmental

ADDRESS: 655 12th Street Ste 126

CITY: Oakland STATE: CA ZIP: 94607

TEL: 510 834 9099 E-MAIL: BasicsEnvironmental@gmail.com

TURNAROUND TIME: ☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ STANDARD 5day

☐ COELT EDF GLOBAL ID LOG CODE

CLIENT PROJECT NAME / NUMBER: Pleasanton, CA

P.O. NO.:

PROJECT CONTACT: Donavon Tom/Lita Freeman

SAMPLER(S): (PRINT) Lita Freeman

SPECIAL INSTRUCTIONS:

Email report to: BasicsEnvironmental@gmail.com
litafreeman@gmail.com

Lab Filter water samples within 24hrs (LUFTS)

REQUESTED ANALYSES

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	TPH (g) or GRO	TPH (d) or DRO or (C6C36) or (C6-C44)	TPH Standard Solvent	BTEX / MTBE (8260) or ( )	VOCs (8260)	Oxygenates (8260)	En Core / Terra Core Prep (5035)	SVOCs (8270)	Pesticides (8081)	PCBs (8082)	PNAs (8310) or (8270)	T22 Metals (6010B/747X)	Cr(VI) [7196 or 7199 or 218.6]	LUFTS metals.				HOLD.
	SB-2-2	11-13-15	0815	S	1				X	X	X		X									X				
	SB-2-5.5	11-13-15	0825	S	1																					X
	SB-2-10	11-13-15	0835	S	1																					X
	SB-2-15	11-13-15	0840	S	1																					X
	SB-2-20	11-13-15	0845	S	1																					X
	SB-2-30	11-13-15	0905	S	1																					X
	SB-1-2	11-13-15	1000	S	1																					X
	SB-1-5.5	11-13-15	1005	S	11				X	X	X		X									X				
	SB-1-10	11-13-15	1010	S	1																					X
	SB-1-15	11-13-15	1015	S	1																					X

Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
Lita Freeman		11/13/15	1100
		11/13/15	1840

DISTRIBUTION: White with final report, Green and Yellow to Client.
Please note that pages 1 and 2 of 2 of our T/Cs are printed on the reverse side of the Green and Yellow copies respectively.

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Calscience Environmental Laboratories, Inc.

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Garden Grove, CA 92841-1427
(714) 895-5494

☐ NorCal Service Center
5063 Commercial Circle, Suite H
Concord, CA 94520-8577
(925) 689-9022

WO # / LAB USE ONLY ☐☐-☐☐☐☐

Date 11-13-15

Page 2 of 2

LABORATORY CLIENT: Basics Environmental

ADDRESS: 655 12th Street Ste 126

CITY: Oakland STATE: CA ZIP: 94607

TEL: 510 834-9099 E-MAIL: Basics Environmental@gmail.com

TURNAROUND TIME: ☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ STANDARD 5 day

☐ COELT EDF | GLOBAL ID | LOG CODE

CLIENT PROJECT NAME / NUMBER:

P.O. NO.:

PROJECT CONTACT:

SAMPLER(S): (PRINT)

SPECIAL INSTRUCTIONS:

Email report to: Basics Environmental@gmail.com
lita freeman@gmail.com

Lab Filter water samples within 24hours (LVFTS)

REQUESTED ANALYSES

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	TPH (g) or GRO	TPH (d) or DRO or (C6C36) or (C6-C44)	TPH (Stoddard Solvent)	BTEX / MTBE (8260) or (_____)	VOCs (8260)	Oxygenates (8260)	En Core / Terra Core Prep (5035)	SVOCs (8270)	Pesticides (8081)	PCBs (8082)	PNAs (8310) or (8270)	T22 Metals (6010B/747X)	Cr(VI) [7196 or 7199 or 218.6]	LVFTS Metals				Hold
	SB-1-20	11-13-15	1040	S	1																					X
X	SB-2-W	11-13-15	1025	W	7	X			X	X	X		X									X				

ICE/t° 3.7
GOOD CONDITION
HEAD SPACE ABSENT
DECHLORINATED IN LAB
PRESERVATION VOAS | O&G | METALS | OTHER
APPROPRIATE CONTAINERS
PRESERVED IN LAB

Relinquished by: (Signature) Lita Freeman	Received by: (Signature/Affiliation)	Date: 11/13/15	Time: 1100
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date: 11/13/15	Time: 1840
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

DISTRIBUTION: White with final report, Green and Yellow to Client.
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09/01/13 Revision

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Sample Receipt Checklist

Client Name: **Basics Environmental**
Date and Time Received: **11/13/2015 7:17:57 PM**

Project Name: **Pleasanton, CA**
LogIn Reviewed by: Maria Venegas

WorkOrder №: **1511651** Matrix: Soil/Water
Carrier: Benjamin Yslas (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: 3.7°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:

McCampbell Analytical, Inc.
"When Quality Counts"

Analytical Report

WorkOrder: 1511623

Report Created for: Basics Environmental

655 12th Street, Suite 126
Oakland, CA 94607

Project Contact: Donavan Tom
Project P.O.:
Project Name: 927 Main St.

Project Received: 11/13/2015

Analytical Report reviewed & approved for release on 11/20/2015 by:

Angela Rydelius,
Laboratory Manager

McCampbell Analytical, Inc.
"When Quality Counts"

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Glossary of Terms & Qualifier Definitions

Client: Basics Environmental
Project: 927 Main St.
WorkOrder: 1511623

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

F	sample was filtered upon arrival to the lab
b1	aqueous sample that contains greater than ~1 vol. % sediment
e2	diesel range compounds are significant; no recognizable pattern

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Analytical Report

Client:	Basics Environmental	**WorkOrder:**	1511623
Date Received:	11/13/15 17:20	**Extraction Method:**	SW5030B
Date Prepared:	11/20/15	**Analytical Method:**	SW8260B
Project:	927 Main St.	**Unit:**	µg/L

Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-1-W	1511623-002C	Water	11/13/2015 11:30	GC28	113217

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	10	1	11/20/2015 10:46
tert-Amyl methyl ether (TAME)	ND	0.50	1	11/20/2015 10:46
Benzene	ND	0.50	1	11/20/2015 10:46
Bromobenzene	ND	0.50	1	11/20/2015 10:46
Bromochloromethane	ND	0.50	1	11/20/2015 10:46
Bromodichloromethane	**1.3**	0.50	1	11/20/2015 10:46
Bromoform	ND	0.50	1	11/20/2015 10:46
Bromomethane	ND	0.50	1	11/20/2015 10:46
2-Butanone (MEK)	ND	2.0	1	11/20/2015 10:46
t-Butyl alcohol (TBA)	ND	2.0	1	11/20/2015 10:46
n-Butyl benzene	ND	0.50	1	11/20/2015 10:46
sec-Butyl benzene	ND	0.50	1	11/20/2015 10:46
tert-Butyl benzene	ND	0.50	1	11/20/2015 10:46
Carbon Disulfide	ND	0.50	1	11/20/2015 10:46
Carbon Tetrachloride	ND	0.50	1	11/20/2015 10:46
Chlorobenzene	ND	0.50	1	11/20/2015 10:46
Chloroethane	ND	0.50	1	11/20/2015 10:46
Chloroform	**5.5**	0.50	1	11/20/2015 10:46
Chloromethane	ND	0.50	1	11/20/2015 10:46
2-Chlorotoluene	ND	0.50	1	11/20/2015 10:46
4-Chlorotoluene	ND	0.50	1	11/20/2015 10:46
Dibromochloromethane	ND	0.50	1	11/20/2015 10:46
1,2-Dibromo-3-chloropropane	ND	0.20	1	11/20/2015 10:46
1,2-Dibromoethane (EDB)	ND	0.50	1	11/20/2015 10:46
Dibromomethane	ND	0.50	1	11/20/2015 10:46
1,2-Dichlorobenzene	ND	0.50	1	11/20/2015 10:46
1,3-Dichlorobenzene	ND	0.50	1	11/20/2015 10:46
1,4-Dichlorobenzene	ND	0.50	1	11/20/2015 10:46
Dichlorodifluoromethane	ND	0.50	1	11/20/2015 10:46
1,1-Dichloroethane	ND	0.50	1	11/20/2015 10:46
1,2-Dichloroethane (1,2-DCA)	ND	0.50	1	11/20/2015 10:46
1,1-Dichloroethene	ND	0.50	1	11/20/2015 10:46
cis-1,2-Dichloroethene	ND	0.50	1	11/20/2015 10:46
trans-1,2-Dichloroethene	ND	0.50	1	11/20/2015 10:46
1,2-Dichloropropane	ND	0.50	1	11/20/2015 10:46
1,3-Dichloropropane	ND	0.50	1	11/20/2015 10:46
2,2-Dichloropropane	ND	0.50	1	11/20/2015 10:46

(Cont.)

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Analytical Report

Client:	Basics Environmental	**WorkOrder:**	1511623
Date Received:	11/13/15 17:20	**Extraction Method:**	SW5030B
Date Prepared:	11/20/15	**Analytical Method:**	SW8260B
Project:	927 Main St.	**Unit:**	µg/L

Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-1-W	1511623-002C	Water	11/13/2015 11:30	GC28	113217

Analytes	Result	RL	DF	Date Analyzed
1,1-Dichloropropene	ND	0.50	1	11/20/2015 10:46
cis-1,3-Dichloropropene	ND	0.50	1	11/20/2015 10:46
trans-1,3-Dichloropropene	ND	0.50	1	11/20/2015 10:46
Diisopropyl ether (DIPE)	ND	0.50	1	11/20/2015 10:46
Ethylbenzene	ND	0.50	1	11/20/2015 10:46
Ethyl tert-butyl ether (ETBE)	ND	0.50	1	11/20/2015 10:46
Freon 113	ND	0.50	1	11/20/2015 10:46
Hexachlorobutadiene	ND	0.50	1	11/20/2015 10:46
Hexachloroethane	ND	0.50	1	11/20/2015 10:46
2-Hexanone	ND	0.50	1	11/20/2015 10:46
Isopropylbenzene	ND	0.50	1	11/20/2015 10:46
4-Isopropyl toluene	ND	0.50	1	11/20/2015 10:46
Methyl-t-butyl ether (MTBE)	ND	0.50	1	11/20/2015 10:46
Methylene chloride	ND	0.50	1	11/20/2015 10:46
4-Methyl-2-pentanone (MIBK)	ND	0.50	1	11/20/2015 10:46
Naphthalene	ND	0.50	1	11/20/2015 10:46
n-Propyl benzene	ND	0.50	1	11/20/2015 10:46
Styrene	ND	0.50	1	11/20/2015 10:46
1,1,1,2-Tetrachloroethane	ND	0.50	1	11/20/2015 10:46
1,1,2,2-Tetrachloroethane	ND	0.50	1	11/20/2015 10:46
Tetrachloroethene	ND	0.50	1	11/20/2015 10:46
Toluene	ND	0.50	1	11/20/2015 10:46
1,2,3-Trichlorobenzene	ND	0.50	1	11/20/2015 10:46
1,2,4-Trichlorobenzene	ND	0.50	1	11/20/2015 10:46
1,1,1-Trichloroethane	ND	0.50	1	11/20/2015 10:46
1,1,2-Trichloroethane	ND	0.50	1	11/20/2015 10:46
Trichloroethene	ND	0.50	1	11/20/2015 10:46
Trichlorofluoromethane	ND	0.50	1	11/20/2015 10:46
1,2,3-Trichloropropane	ND	0.50	1	11/20/2015 10:46
1,2,4-Trimethylbenzene	ND	0.50	1	11/20/2015 10:46
1,3,5-Trimethylbenzene	ND	0.50	1	11/20/2015 10:46
Vinyl Chloride	ND	0.50	1	11/20/2015 10:46
Xylenes, Total	ND	0.50	1	11/20/2015 10:46

(Cont.)

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Analytical Report

Client:	Basics Environmental	**WorkOrder:**	1511623
Date Received:	11/13/15 17:20	**Extraction Method:**	SW5030B
Date Prepared:	11/20/15	**Analytical Method:**	SW8260B
Project:	927 Main St.	**Unit:**	µg/L

Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-1-W	1511623-002C	Water	11/13/2015 11:30	GC28	113217

Analytes	Result	RL	DF	Date Analyzed
Surrogates	REC (%)	Limits		
Dibromofluoromethane	95	70-130		11/20/2015 10:46
Toluene-d8	87	70-130		11/20/2015 10:46
4-BFB	78	70-130		11/20/2015 10:46

Analyst(s): KF Analytical Comments: b1

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Analytical Report

Client:	Basics Environmental	**WorkOrder:**	1511623
Date Received:	11/13/15 17:20	**Extraction Method:**	SW5030B
Date Prepared:	11/14/15	**Analytical Method:**	SW8021B/8015Bm
Project:	927 Main St.	**Unit:**	µg/L

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

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-1-W	1511623-002B	Water	11/13/2015 11:30	GC3	112891

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	ND	50	1	11/14/2015 00:31
MTBE	ND	5.0	1	11/14/2015 00:31
Benzene	ND	0.50	1	11/14/2015 00:31
Toluene	ND	0.50	1	11/14/2015 00:31
Ethylbenzene	ND	0.50	1	11/14/2015 00:31
TPH(ss)	ND	50	1	11/14/2015 00:31
Xylenes	ND	0.50	1	11/14/2015 00:31
Surrogates	REC (%)	Limits		
aaa-TFT	90	70-130		11/14/2015 00:31

Analyst(s): IA Analytical Comments: b1

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Analytical Report

Client:	Basics Environmental	**WorkOrder:**	1511623
Date Received:	11/13/15 17:20	**Extraction Method:**	SW3005
Date Prepared:	11/13/15	**Analytical Method:**	SW6020
Project:	927 Main St.	**Unit:**	µg/L

Dissolved LUFT 5 Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-1-W	1511623-002D	Water	11/13/2015 11:30	ICP-MS2	112893

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Cadmium	ND	F	0.25	1	11/16/2015 21:42
Chromium	**0.63**	F	0.50	1	11/16/2015 21:42
Lead	ND	F	0.50	1	11/16/2015 21:42
Nickel	**1.8**	F	0.50	1	11/16/2015 21:42
Zinc	ND	F	15	1	11/16/2015 21:42

Analyst(s): BBO

Analytical Comments: b1

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Analytical Report

Client:	Basics Environmental	**WorkOrder:**	1511623
Date Received:	11/13/15 17:20	**Extraction Method:**	SW3510C
Date Prepared:	11/13/15	**Analytical Method:**	SW8015B
Project:	927 Main St.	**Unit:**	µg/L

Total Extractable Petroleum Hydrocarbons w/out SG Clean-Up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-1-W	1511623-002A	Water	11/13/2015 11:30	GC39A	112915

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**120**	100	2	11/17/2015 19:19

Surrogates	REC (%)	Limits	
C9	113	70-130	11/17/2015 19:19

Analyst(s): TK Analytical Comments: e2,b1

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Quality Control Report

Client:	Basics Environmental	**WorkOrder:**	1511623
Date Prepared:	11/20/15	**BatchID:**	113217
Date Analyzed:	11/20/15	**Extraction Method:**	SW5030B
Instrument:	GC28	**Analytical Method:**	SW8260B
Matrix:	Water	**Unit:**	µg/L
Project:	927 Main St.	**Sample ID:**	MB/LCS-113217

QC Summary Report for SW8260B

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Acetone	ND	-	10	-	-	-	-
tert-Amyl methyl ether (TAME)	ND	7.15	0.50	10	-	72	54-140
Benzene	ND	8.03	0.50	10	-	80	47-158
Bromobenzene	ND	-	0.50	-	-	-	-
Bromochloromethane	ND	-	0.50	-	-	-	-
Bromodichloromethane	ND	-	0.50	-	-	-	-
Bromoform	ND	-	0.50	-	-	-	-
Bromomethane	ND	-	0.50	-	-	-	-
2-Butanone (MEK)	ND	-	2.0	-	-	-	-
t-Butyl alcohol (TBA)	ND	24.5	2.0	40	-	61	42-140
n-Butyl benzene	ND	-	0.50	-	-	-	-
sec-Butyl benzene	ND	-	0.50	-	-	-	-
tert-Butyl benzene	ND	-	0.50	-	-	-	-
Carbon Disulfide	ND	-	0.50	-	-	-	-
Carbon Tetrachloride	ND	-	0.50	-	-	-	-
Chlorobenzene	ND	8.68	0.50	10	-	87	43-157
Chloroethane	ND	-	0.50	-	-	-	-
Chloroform	ND	-	0.50	-	-	-	-
Chloromethane	ND	-	0.50	-	-	-	-
2-Chlorotoluene	ND	-	0.50	-	-	-	-
4-Chlorotoluene	ND	-	0.50	-	-	-	-
Dibromochloromethane	ND	-	0.50	-	-	-	-
1,2-Dibromo-3-chloropropane	ND	-	0.20	-	-	-	-
1,2-Dibromoethane (EDB)	ND	8.44	0.50	10	-	84	44-155
Dibromomethane	ND	-	0.50	-	-	-	-
1,2-Dichlorobenzene	ND	-	0.50	-	-	-	-
1,3-Dichlorobenzene	ND	-	0.50	-	-	-	-
1,4-Dichlorobenzene	ND	-	0.50	-	-	-	-
Dichlorodifluoromethane	ND	-	0.50	-	-	-	-
1,1-Dichloroethane	ND	-	0.50	-	-	-	-
1,2-Dichloroethane (1,2-DCA)	ND	7.11	0.50	10	-	71	66-125
1,1-Dichloroethene	ND	8.75	0.50	10	-	88	47-149
cis-1,2-Dichloroethene	ND	-	0.50	-	-	-	-
trans-1,2-Dichloroethene	ND	-	0.50	-	-	-	-
1,2-Dichloropropane	ND	-	0.50	-	-	-	-
1,3-Dichloropropane	ND	-	0.50	-	-	-	-
2,2-Dichloropropane	ND	-	0.50	-	-	-	-

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Quality Control Report

Client:	Basics Environmental	**WorkOrder:**	1511623
Date Prepared:	11/20/15	**BatchID:**	113217
Date Analyzed:	11/20/15	**Extraction Method:**	SW5030B
Instrument:	GC28	**Analytical Method:**	SW8260B
Matrix:	Water	**Unit:**	µg/L
Project:	927 Main St.	**Sample ID:**	MB/LCS-113217

QC Summary Report for SW8260B

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
1,1-Dichloropropene	ND	-	0.50	-	-	-	-
cis-1,3-Dichloropropene	ND	-	0.50	-	-	-	-
trans-1,3-Dichloropropene	ND	-	0.50	-	-	-	-
Diisopropyl ether (DIPE)	ND	7.72	0.50	10	-	77	57-136
Ethylbenzene	ND	-	0.50	-	-	-	-
Ethyl tert-butyl ether (ETBE)	ND	7.30	0.50	10	-	73	55-137
Freon 113	ND	-	0.50	-	-	-	-
Hexachlorobutadiene	ND	-	0.50	-	-	-	-
Hexachloroethane	ND	-	0.50	-	-	-	-
2-Hexanone	ND	-	0.50	-	-	-	-
Isopropylbenzene	ND	-	0.50	-	-	-	-
4-Isopropyl toluene	ND	-	0.50	-	-	-	-
Methyl-t-butyl ether (MTBE)	ND	7.20	0.50	10	-	72	53-139
Methylene chloride	ND	-	0.50	-	-	-	-
4-Methyl-2-pentanone (MIBK)	ND	-	0.50	-	-	-	-
Naphthalene	ND	-	0.50	-	-	-	-
n-Propyl benzene	ND	-	0.50	-	-	-	-
Styrene	ND	-	0.50	-	-	-	-
1,1,1,2-Tetrachloroethane	ND	-	0.50	-	-	-	-
1,1,2,2-Tetrachloroethane	ND	-	0.50	-	-	-	-
Tetrachloroethene	ND	-	0.50	-	-	-	-
Toluene	ND	7.70	0.50	10	-	77	52-137
1,2,3-Trichlorobenzene	ND	-	0.50	-	-	-	-
1,2,4-Trichlorobenzene	ND	-	0.50	-	-	-	-
1,1,1-Trichloroethane	ND	-	0.50	-	-	-	-
1,1,2-Trichloroethane	ND	-	0.50	-	-	-	-
Trichloroethene	ND	9.20	0.50	10	-	92	43-157
Trichlorofluoromethane	ND	-	0.50	-	-	-	-
1,2,3-Trichloropropane	ND	-	0.50	-	-	-	-
1,2,4-Trimethylbenzene	ND	-	0.50	-	-	-	-
1,3,5-Trimethylbenzene	ND	-	0.50	-	-	-	-
Vinyl Chloride	ND	-	0.50	-	-	-	-
Xylenes, Total	ND	-	0.50	-	-	-	-

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Quality Control Report

Client:	Basics Environmental	**WorkOrder:**	1511623
Date Prepared:	11/20/15	**BatchID:**	113217
Date Analyzed:	11/20/15	**Extraction Method:**	SW5030B
Instrument:	GC28	**Analytical Method:**	SW8260B
Matrix:	Water	**Unit:**	µg/L
Project:	927 Main St.	**Sample ID:**	MB/LCS-113217

QC Summary Report for SW8260B

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Surrogate Recovery							
Dibromofluoromethane	23.4	23.1		25	93	92	70-130
Toluene-d8	22.3	22.0		25	89	88	70-130
4-BFB	1.94	1.96		2.5	77	79	70-130

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Quality Control Report

Client:	Basics Environmental	**WorkOrder:**	1511623
Date Prepared:	11/13/15	**BatchID:**	112891
Date Analyzed:	11/13/15	**Extraction Method:**	SW5030B
Instrument:	GC3	**Analytical Method:**	SW8021B/8015Bm
Matrix:	Water	**Unit:**	µg/L
Project:	927 Main St.	**Sample ID:**	MB/LCS-112891 1511623-002BMS/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	59.7	40	60	-	100	70-130
MTBE	ND	9.28	5.0	10	-	93	70-130
Benzene	ND	9.52	0.50	10	-	95	70-130
Toluene	ND	9.63	0.50	10	-	96	70-130
Ethylbenzene	ND	9.77	0.50	10	-	98	70-130
Xylenes	ND	29.5	0.50	30	-	98	70-130
Surrogate Recovery							
aaa-TFT	9.35	9.54		10	94	95	70-130

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
TPH(btex)	61.9	60.4	60	ND	103	101	70-130	2.45	20
MTBE	8.83	9.23	10	ND	88	92	70-130	4.50	20
Benzene	10.1	10.5	10	ND	101	105	70-130	4.10	20
Toluene	10.2	10.6	10	ND	101	104	70-130	3.35	20
Ethylbenzene	10.5	10.6	10	ND	105	106	70-130	1.08	20
Xylenes	31.6	31.9	30	ND	105	106	70-130	0.812	20
Surrogate Recovery									
aaa-TFT	9.12	9.15	10		91	91	70-130	0	20

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Quality Control Report

Client:	Basics Environmental	**WorkOrder:**	1511623
Date Prepared:	11/13/15	**BatchID:**	112893
Date Analyzed:	11/13/15 - 11/16/15	**Extraction Method:**	SW3005
Instrument:	ICP-MS1, ICP-MS2	**Analytical Method:**	SW6020
Matrix:	Water	**Unit:**	µg/L
Project:	927 Main St.	**Sample ID:**	MB/LCS-112893 1511601-003AMS/MSD

QC Summary Report for Dissolved Metals

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Cadmium	ND	49.4	0.25	50	-	99	85-115
Chromium	ND	48.6	0.50	50	-	97	85-115
Lead	ND	50.5	0.50	50	-	101	85-115
Nickel	ND	49.3	0.50	50	-	99	85-115
Zinc	ND	500	15	500	-	100	85-115

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
Cadmium	49.3	49.3	50	ND	99	99	70-130	0	20
Chromium	53.3	52.9	50	2.0	103	102	70-130	0.847	20
Lead	49.2	49.1	50	ND	98	97	70-130	0.244	20
Nickel	60.2	60.4	50	12	97	97	70-130	0	20
Zinc	545	548	500	44	100	101	70-130	0.695	20

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Quality Control Report

Client:	Basics Environmental	**WorkOrder:**	1511623
Date Prepared:	11/13/15	**BatchID:**	112915
Date Analyzed:	11/15/15	**Extraction Method:**	SW3510C
Instrument:	GC9a	**Analytical Method:**	SW8015B
Matrix:	Water	**Unit:**	µg/L
Project:	927 Main St.	**Sample ID:**	MB/LCS-112915

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	1020	50	1000	-	102	61-157
TPH-Motor Oil (C18-C36)	ND	-	250	-	-	-	-
Surrogate Recovery							
C9	646	658		625	103	105	65-122

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CHAIN-OF-CUSTODY RECORD

WorkOrder: 1511623 **ClientCode: BEO**

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

Report to:
Donavan Tom
Basics Environmental
655 12th Street, Suite 126
Oakland, CA 94607
(510) 834-9099 FAX: (510) 834-9098

Email: basicsenvironmental@gmail.com
cc/3rd Party:
PO:
ProjectNo: 927 Main St.

Bill to:
Accounts Payable
Basics Environmental
655 12th Street, Suite 126
Oakland, CA 94607

Requested TAT: 5 days;

Date Received: **11/13/2015**
Date Printed: **11/13/2015**

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
1511623-002	SB-1-W	Water	11/13/2015 11:30	☐	C	B	D	D	A							

Test Legend:

1	8260B_W	2	G-MBTEX_W	3	LUFTMS_6020_DISS	4	PRDISSOLVED
5	TPH(D)_W	6		7		8	
9		10		11		12	

Prepared by: Lindsay Diesta

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: BASICS ENVIRONMENTAL
Project: 927 Main St.
Comments:

QC Level: LEVEL 2
Client Contact: Donavan Tom
Contact's Email: basicsenvironmental@gmail.com

Work Order: 1511623
Date Received: 11/13/2015

☐ 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
1511623-001A	SB-1-30	Soil		1	Acetate Liner	☐	11/13/2015 10:45			☑	
1511623-002A	SB-1-W	Water	SW8015B (Diesel)	2	aVOA	☐	11/13/2015 11:30	5 days	5%+	☐	
1511623-002B	SB-1-W	Water	SW8021B/8015Bm (G/MBTEX) <Benzene_2, Ethylbenzene_2, MTBE_2, Toluene_2, TPH(g)_1, TPH(ss)_1, Xylenes_2>	2	VOA w/ HCl	☐	11/13/2015 11:30	5 days	5%+	☐	
1511623-002C	SB-1-W	Water	SW8260B (VOCs)	2	VOA w/ HCl	☐	11/13/2015 11:30	5 days	5%+	☐	
1511623-002D	SB-1-W	Water	SW6020 (LUFT) (Dissolved-Lab Filtered)	1	250mL HDPE, unprsv.	☐	11/13/2015 11:30	5 days	5%+	☐	

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.

1511623

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CHAIN OF CUSTODY RECORD

TURN AROUND TIME: RUSH ☐ 1 DAY ☐ 2 DAY ☐ 3 DAY ☐ 5 DAY ☒

GeoTracker EDF ☐ PDF ☐ EDD ☐ Write On (DW) ☐ EQuIS ☐ 10 DAY ☐

Effluent Sample Requiring "J" flag ☐ **UST Clean Up Fund Project** ☐ ; **Claim #**_____

Report To: Donavan Tom / Lita Freeman **Bill To:** Basics Environmental

Company: Basics Environmental
655 12th Street Suite 126 Oakland CA 94607

Tele: (510) 834 9099 **E-Mail:** BasicsEnvironmental@gmail.com

Project #: 927 Main St **Project Name:**

Project Location: Pleasanton, CA **Purchase Order#**

Sampler Signature: Lita D Freeman

Analysis Request

SAMPLE ID	Location/ Field Point Name	SAMPLING Date	SAMPLING Time	# Containers	MATRIX: Ground Water	Waste Water	Drinking Water	Sea Water	Soil	Air	Sludge	Other	METHOD PRESERVED: HCL	HNO3	Other	BTEX & TPH as Gas (8021/ 8015) MTBE	TPH as Diesel (8015)	Total Petroleum Oil & Grease (1664 / 5520 E/B&F)	Total Petroleum Hydrocarbons (418.1) Stoddard Solvent	EPA 505/ 608 / 8081 (Cl Pesticides)	EPA 608 / 8082 PCB's ; Aroclors / Congeners	EPA 507 / 8141 (NP Pesticides)	EPA 515 / 8151 (Acidic Cl Herbicides)	EPA 524.2 / 624 / 8260 (VOCs)	EPA 525.2 / 625 / 8270 (SVOCs)	EPA 8270 SIM / 8310 (PAHs / PNAs)	CAM 17 Metals (200.8 / 6020)***	LUFT 5 Metals (200.8 / 6020)***	Metals (200.8 / 6020)***	Lab to Filter sample for Dissolved metals analysis	Hold
SB-1-30		11/13/15	1045	1					X																					X	
SB-1-W		11/13/15	1130	7	X											X	X		X					X				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 is not specified on the chain of custody, then MAI will default to metals by E200.8.

Relinquished By:	Date:	Time:	Received By:
Lita Freeman	11/13/15	1420	
Relinquished By:	Date:	Time:	Received By:
	11/13/15	1531	
Relinquished By:	Date:	Time:	Received By:

ICE/t° 3.8
GOOD CONDITION_____
HEAD SPACE ABSENT_____
DECHLORINATED IN LAB_____
APPROPRIATE CONTAINERS_____
PRESERVED IN LAB_____

COMMENTS: water sample for LUFT 5 not PRESERVED
PLEASE lab filter within 24hours

VOAS O&G METALS OTHER HAZARDOUS:
PRESERVATION_____ pH<2_____

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

Sample Receipt Checklist

Client Name:	**Basics Environmental**	Date and Time Received:	**11/13/2015 5:20:15 PM**
Project Name:	**927 Main St.**	LogIn Reviewed by:	Lindsay Diesta
WorkOrder №:	**1511623** Matrix: Soil/Water	Carrier:	Randy Glen

Chain of Custody (COC) Information

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

Sample Receipt Information

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

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes	☑	No	☐	
Sample/Temp Blank temperature	Temp: 3.8°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: