



2:35 pm, Sep 19, 2008

Alameda County Environmental Health AllWest Environmental, Inc.

Specialists in Physical Due Diligence and Remedial Services

530 Howard Street, Suite 300 San Francisco, CA 94105 Tel. 415 391-2510 Fax 415 391-2008

No: 4007

SUBSURFACE INVESTIGATION REPORT

Mandela Trucking 1225 Mandela Parkway Oakland, California 94607

ACEH Fuel Leak No. RO0000041 and GEOTRACKER Global IDT600102246

PREPARED FOR:

Mr. Clarence Glasper c/o Mr. Thomas Gillis 1153 Copper Verde Lane Modesto, California 95355

ALLWEST PROJECT NO. 28074.23 September 12, 2008

PREPARED BY:

Kevin D. Reeve Project Manager

REVIEWED BY:

Michael L. Siembieda PG 4007 Senior Project Manager

TABLE OF CONTENTS

I.	EXEC	UTIVE SUMMARYP	age 1
II.	INTRO	DDUCTIONP	age 2
	A. B.	Site Background	
III.	PROJE	ECT INITIATIONP	age 4
	A.	Underground Utility Clearing	age 4
IV.	FIELD	INVESTIGATION AND SAMPLING METHODOLOGY	age 5
	A. B. C.	Soil Borehole AdvancementP Soil Sampling	Page 5
V.	SUBSU	URFACE CONDITIONS F	age 5
VI.	LABO	RATORY ANALYSES F	age 6
VII.	DISCU	JSSIONP	age 6
VIII.	CONC	LUSIONS and RECOMENDATIONSP	age 7
IX.	REPOR	RT LIMITATIONSF	age 7
TABLI	Table 1	1 - Summary of Soil Analytical Results 2 - Summary of Groundwater Analytical Results	
FIGUR	Figure Figure	1 - Site Vicinity Map2 - Site Plan and Geoprobe Location by AllWest and others3 - Proposed Hydropunch Locations	
APPEN		dix A - Geoprobe Procedures and Boring Logs dix B - Laboratory Reports and Chain-of-Custody	

SUBSURFACE INVESTIGATION

Mandela Trucking 1225 Mandela Parkway Oakland, California

I. EXECUTIVE SUMMARY

AllWest conducted a subsurface investigation on July 14, 2008 at the above referenced property (Figure 1). The purpose of the work was to further assess the lateral and vertical extent of petroleum hydrocarbon constituents in site soil and groundwater. The project was performed in response to a request by the Alameda County Environmental Health (ACEH) in their letters of February 6, 2008 and March 7, 2008 for additional information regarding the release of petroleum hydrocarbons at the subject site.

The investigation included the drilling and sampling of ten geoprobe boreholes, SB-5 through SB-14 (Figure 2) and analyzing selected soil and one "grab" groundwater samples for total petroleum hydrocarbons as gasoline, diesel, and motor oil (TPHg, TPHd and TPHmo); volatile organic compounds (VOCs) including benzene, toluene, ethyl benzene and xylenes (BTEX), fuel oxygenates such as methyl tert-butyl ether (MTBE), tetrachloroethene (also known as "Perc" or PCE) and trichloroethene (TCE); 1,2-Dibromoethane (EDB) and 1,2-Dichloroethane (1,2-DCA); and the metal Lead. Borings were sited to further delineate the spatial extent of the chemicals of concern (COCs) in the vicinity of the dispenser islands and former waste oil tank.

Prior to the start of the field investigation AllWest submitted a Work Plan to the ACEH for review and comment. The ACEH approved the proposed scope of work provided that certain technical items and additional analytical testing were incorporated into the investigation. A submittal of a revised Work Plan was not required.

On July 14, 2008, nine geoprobe borings were advanced under AllWest's supervision to a terminal depth of 10 feet below ground surface (bgs) with a tenth geoprobe boring, SB-7, advanced to 20 feet bgs. Soil samples were collected from each boring for chemical analysis. One "grab" groundwater sample was collected for analytical testing from SB-7. A petroleum sheen and odor was identified in the groundwater at this location.

Soil and groundwater samples were collected in appropriate sample containers for the analysis requested and transported under chain-of-custody to a certified analytical laboratory. Twenty-three soil samples and one groundwater samples were analyzed for TPHg, TPHd and TPHmo, BTEX, MTBE, VOCs, EDB, 1,2-DCA, and Lead. Table 1 and Table 2 provide soil and groundwater analytical data.

A review of the soil data indicates only one soil sample collected from SB-7 at a depth of 10 to 10.5 feet detected significant concentrations of organic constituents. TPH-g, TPHd and TPHmo were detected at concentrations of 220, 3,900 and 1,400 milligrams per kilograms (mg/Kg) equivalent to parts per million. A soil samples collected from 6-6.5 feet located above the "hot" sample and two from below 14.5-15 feet and 15.5-16 feet did not detect any significant TPH or other organic constituents. No other chemicals were detected except for trace levels of tetrachloroethene (PCE) in a soil sample collected from SB-11 located adjacent to the former waste oil tank. Two soil samples SB-9 at 3-3.5 feet and SB-11at 5.5-6 feet detected levels of Lead; 240 mg/kg and 550 mg/kg. These concentrations are below Environmental Screening Levels (ESLs) of 750 mg/kg for shallow soils in areas of Commercial /Industrial Land Use only and where Groundwater is Current or Potential Source of Drinking Water as listed in Table A Screening For Environmental Concerns at Sites with Contaminated Soil and Groundwater, California Regional Water Quality Control Board, San Francisco Bay Region Interim Final November 2007, Updated March 2008.

The groundwater sample collected from SB-7 had a visible petroleum sheen and noticeable odor. Analytical testing of the sample detected 270, 380,000 and 130,000 micro grams per liter (ug/L) equivalent to parts per billion (ppb) of TPHg, TPHd and TPHmo. The analytical laboratory noted the petroleum hydrocarbon constituents are highly aged. A groundwater sample collected from SB-7 was analyzed for total lead. No lead was detected.

With the completion of the soil sampling assessment the extent of the COCs in the vadose zone at the property has been adequately defined. No additional site investigation regarding the spatial extent of petroleum hydrocarbons in the vadose zone is warranted.

The source of the detected hydrocarbons in site groundwater is likely from spills or leaks from a fuel dispenser or ancillary piping located at the southern end of the fuel island by boring SB-2. A groundwater plume has been detected in the vicinity of SB-7. This finding amplifies data reported by Golden Gate Tank Removal in 2006. Based on previous investigations performed at the property, nearby locations and regional trends a groundwater gradient to the northeast has been documented. The vertical and horizontal extent of the plume has not been fully defined.

AllWest recommends a series of geoprobe borings be advanced hydraulically downgradient of the south fuel dispensers, located along the western and northern sides of the site building (Figure 3). Grab groundwater samples should be collected and analyzed for various petroleum hydrocarbon constituents including TPHg, TPHd, TPHmo, BTEX and fuel oxygenates. If the work adequately defines the extent of the plume a Conceptual Site Model should be developed to assess impacts to human health and the environment providing a platform to evaluate remedial options.

II. INTRODUCTION

AllWest conducted a subsurface investigation at the request of Mr. Clarence Glasper c/o Mr. Thomas Gillis on July 14, 2008 at the former Mandela Trucking located at 1225 Mandela Parkway, Oakland, California. The purpose of the work was to further assess the lateral and vertical extent of petroleum hydrocarbon constituents in soil and groundwater at the site and assess the release's potential impact on human health and the environment.

A. Site Background

The Mandela Trucking facility is located in a mixed residential and commercial area of Oakland, California on the southwest corner of the intersection of Mandela Parkway and 13th Street. The subject property is bounded on the north by 13th Street then a park, to the east by Mandela Parkway then an industrial facility, to the south by residential development and to the west by a church and parking lot.

The subject property was developed in 1902 with three residential structures. Significant development occurred in the area after the 1906 San Francisco earthquake. In 1957 a gasoline service station was sited at the property; tenants reportedly included ARCO and Union 76. A tucking facility, Mackey Trucking operated at the site from 1963 to 1983. Glasper-Mandela Trucking operated at the site from 1983 to 2003 when VA Transportation (VA) occupied the facility as an office and parking lot. According to photographs taken by Golden Gate Tank Removal (GGTR) in 2007 the property was then used to park tractor-trailer trucks cabs. A vacant office building is located in the central portion of the property with a chained linked fence surrounding the entire site.

In July 1996, three 4,000 gallons underground storage tanks (USTs) were removed from the property. Two USTs stored diesel and one contained gasoline. Soil samples collected from either ends of the tanks were analyzed for total petroleum hydrocarbons calibrated as gasoline (TPHg), benzene, toluene, ethyl benzene and xylene (BTEX) and Methyl tert butyl ester (MTBE). These chemicals were either not detected or detected at "insignificant" concentrations. TPHd was detected at concentrations of up to 1,300 micrograms per kilogram (mg/Kg) equivalent to part per million (ppm). No groundwater samples were collected. The excavation was not backfilled at the time of tank removal.

In January 1997 the ACEH requested various work items be performed, including additional soil sampling, soil excavation and disposal and the removal of a 425- gallon waste oil UST. In August 1997 the ACEH issued a "Directive and Order" requiring the work be performed.

In June 1998 GGTR collected soil samples from the excavation's sidewall, floor and soil stockpiles and analyzed the samples for TPHg, TPHd, BTEX and MTBE. Only trace levels of TPHg and xylene were detected. The waste oil UST was removed under the supervision of the Oakland Fire Department in June 1998. One composite soil sample of material excavated from a soil stockpile sample and one clearance sample collected from the bottom of the tank pit were collected and analyzed. Elevated levels of TPH (5,800 mg/kg) were detected in the composite stockpile sample with 70 mg/kg detected in the sample collected from the bottom of the pit. The excavated stockpile soil was removed from the site and properly disposed. The waste oil excavation was then backfilled with "clean" imported fill.

In April 1999 GGTR over excavated and removed diesel impacted soil from the UST excavation. Discrete soil samples were collected from sidewalls. No COCs were detected. One "grab" groundwater was collected from the excavation; 70 microgram per liter (ug/L) equivalent to parts per billion of TPHg was detected. Three fuel dispensers were removed at this time. Two soil samples were collected. Elevated levels of diesel at 960 mg/kg and 12,000 mg/kg were detected.

In April 2000 GGTR collected a composite sample from a soil stockpile to ascertain if the material was suitable for reuse as backfill material. TPHg, TPHd, BTEX and MTBE were not detected. Lead was detected at a concentration of 140 mg/kg. The ACEH and the Oakland Fire Department subsequently approved the reuse of the stockpile material for backfilled and the UST excavation was backfilled with the on-site soil stockpile and "clean" imported fill.

In May 2006 GGTR removed approximately 85 feet of product lines. Soil samples were collected at approximate 20 foot intervals. GGTR did not find any evidence of a release and subsequently backfilled the excavations.

In June 2006 GGTR advanced four soil borings (SB-1 to SB-4) and three hydro punch (HB-1 to HB-3) in areas of potential concern (Figure 3). Elevated levels of TPHd or TPHmo were detected in groundwater samples collected from SB-1, located near the northern end of the former dispenser island. Elevated levels of an atypical TPHd and TPHmo were detected in soil and groundwater samples collected from SB-2 located near the southern end of the fuel dispenser island. Elevated levels of TPHmo were detected in soil and groundwater samples collected from SB-4 located by the former waste oil UST. No significant levels of COCs were detected in soil or groundwater samples collected from SB-3. No significant levels of the COCs were detected in groundwater samples collected from the three hydro punch borings.

B. Purpose and Scope of Work

The purpose of this investigation was to further evaluate the lateral and vertical extent of COCs in soil and groundwater (the "media") at the subject property. The scope of work as outlined in AllWest's proposal of April 2008 consisted of the following tasks:

- 1) Developing a Site Specific Health and Safety Plan for the planned subsurface investigation;
- 2) Arranging underground utility clearing through Underground Service Alert (USA) and a private line locator;
- 3) Engaging a qualified drilling contractor to perform borehole advancement;
- 4) Advancing ten soil boreholes using a Gropobe drilling rig at selected areas of the site. Collect representative soil and "grab" groundwater samples from the boreholes for analytical testing;
- 5) Submitting twenty-three soil and one groundwater samples to a California Department of Health Service certified laboratory;
- Analyzing soil and one groundwater samples for TPHg, TPHd, TPHmo, VOCs, BTEX, MTBE, and the metal lead;
- 7) Interpreting the data and present findings in a written report describing the field activities, summarizing the analytical results, and providing conclusions and recommendations.

III. PROJECT INITIATION

A. Underground Utility Clearing

To avoid damage to underground utility installations during the course of the subsurface investigation, AllWest contacted Underground Service Alert (USA), an organization for public utility information, on the pending subsurface investigation. USA then notified each of the public and private entities that maintained underground utilities within the vicinity of the site to locate and mark their installations for field identification.

A private underground utility locator, Subtonic Corporation, Concord, California, was also employed by AllWest to conduct a magnetometer sweep of the investigation area to locate the marked and unmarked underground utilities, if any. All final sampling locations were cleared of known underground utilities.

IV. FIELD INVESTIGATION AND SAMPLING METHODOLOGY

A. Soil Borehole Advancement

Ten geoprobe borings, SB-5 through SB-14, were advanced at the subject site during this subsurface investigation. The borings were located in the vicinity of the former waste oil tank and fuel dispensing island. Geoprobe locations are graphically presented in Figure 2 and 3.

The boreholes advancement was performed by Environmental Control Associates, Inc. (ECA), Aptos, California, a licensed C-57 California drilling contractor. The boreholes were advanced by drilling equipment utilizing the Geoprobe process. The standard procedures for borehole advancement, as presented in Appendix A were followed. During the borehole advancement operation, a California Professional Geologist from AllWest was present to collect representative soil and groundwater samples, to conduct field screening and to maintain a continuous log of drilling activities.

B. Soil Sampling

Under AllWest's supervision nine boreholes were advanced on July 14, 2008 by a geoprobe drill rig to depths of 10 to 11 feet below ground surface (bgs) with a tenth geoprobe boring, SB-7, advanced to a depth of 20 feet. The standard geoprobe soil sampling procedures, as presented in Appendix A, were followed. Twenty-three soil samples for chemical analysis were collected during the subsurface investigation.

C. Groundwater Sampling

Groundwater was first identified in borings at approximate depths of 10 to 11 feet. SB-7 initially detected groundwater at a depth of 10.5 feet. The boring was then advanced to a depth 16 feet where a nominal 1-inch PVC well casing and solid pipe was installed as a temporary well screen. Groundwater samples were collected using a check valve and poly tubing. All water samples were transferred to four 40-milliliter (ml) VOA vials and one acidified and one unacidfied liter amber jars furnished by the analytical laboratory. The VOA sample bottles had a Teflon lined septum/cap and were filled such that no headspace was present. All sample bottles were labeled and immediately placed on ice.

After the completion of soil and groundwater sampling activities all borings were backfilled to the surface with a "neat" cement grout utilizing a tremie pipe.

V. SUBSURFACE CONDITIONS

The entire surface of the property is overlain with hardscape consisting of asphalt, concrete and an unoccupied building. Below the asphalt and hardscape some thin fill areas were encountered. Up to 5 feet of fill was encountered at GP-7 and GP-11. Native soil consists of brown, silty sand known as the Merritt Sand. The Merritt Sand is generally well sorted, medium to fine grained, former dune deposit. Moisture content increased with depth. Depth to groundwater stabilized at an approximate depth of 10.65 feet, which is consistent with previous investigations.

VI. LABORATORY ANALYSES

All soil and groundwater samples were submitted to *McCampbell Analytical Inc*. (McCampbell), Pittsburg, California. McCampbell is a California Department of Health Services (DHS) certified analytical laboratory for the analysis requested. Selected samples were analyzed on a five day turn-around basis for TPHg, TPHd, TPHmo, VOCs, BTEX, MTBE, PCE, TCE, EDB, 1,2-DCA, and the metal lead. Table 1 and Table 2 summarize the soil and groundwater analytical results. Copies of the laboratory data sheets are attached as Appendix B.

VII. DISCUSSION

Soil

A review of the soil data indicates only one sample collected during the investigation (SB-7 at 10 to 10.5 feet bgs) detected any significant concentrations of organic constituents. TPHg, TPHd and TPHmo were detected in the soil sample at concentrations or 220, 3,900 and 1,400 mg/Kg equivalent to parts per million. A soil sample collected from 6-6.5 feet located above the "hot" sample and two from samples from below 14.5-15 feet and 15.5-16 feet did not detect any significant TPH or other organic constituents. No other chemicals were detected except for trace levels of tetrachloroethene (PCE) in a soil sample collected from SB-11 located adjacent from the former waste oil tank.

Two soil samples SB-9 3 –3.5 feet and SB-11 5.5-6 feet detected Lead at concentrations of 240 mg/kg and 550 mg/kg. These concentrations are below Environmental Screening Levels (ESLs) of 750 mg/kg for shallow soils in areas of Commercial /Industrial Land Use only and where Groundwater is Current or Potential Source of Drinking Water as listed in Table A in *Screening For Environmental Concerns at Sites with Contaminated Soil and Groundwater, California Regional Water Quality Control Board, San Francisco Bay Region Interim Final November 2007, Updated March 2008.*

With the completion of the soil sampling and analysis the spatial extent of the COCs in the vadose zone at the property has been adequately defined. No addition site investigation regarding the extent of petroleum hydrocarbons is warranted.

Groundwater

The groundwater sample collected from SB-7 had an obvious noticeable petroleum sheen and odor. Analytical testing of the sample detected 270, 380,000 and 130,000 ug/L equivalent to parts per billion (ppb) of TPHg, TPHd and TPHmo. The analytical laboratory noted the petroleum hydrocarbon constituents are highly aged.

A groundwater sample collected from SB-7 was analyzed for total Lead. No lead was detected.

Groundwater sample data was compared with Environmental Screening Levels propagated by the San Francisco Bay - Regional Water Quality Control Board (RWQCB) in their May 2008 document *Screening for Environmental Concerns at Site With Contaminated Soil and Groundwater.* Under most circumstances, the presence of a chemical at a concentration below the corresponding ESL can be presumed to not pose a significant risk to human health and the environment.

The maximum groundwater concentrations of TPHg, 270 ppb, TPHd, 380,000 ppb, TPHmo, 130,000 ppb were compared to ESL values where groundwater is considered a drinking water source. The ESLs for the three hydrocarbons detected are 100 ppb, 100 ppb and 100 ppb, therefore concentration of hydrocarbons detected are above their ESLs. The ESLs are based on the assumption the groundwater discharges to a marine or estuary surface water system.

VIII. CONCLUSIONS AND RECOMENDATIONS

Based on worked performed by AllWest and others to date the spatial extent of site soil contamination has been reasonably well defined and partially mitigated. Remedial activities performed by GGTR in 1999 removed the majority of soil containing elevated levels of COCs. AllWest identified limited amounts of soil in the vicinity of SB-7, located at the former south end of the fuel dispenser island and soil from the former waste oil tank (SB-11) contain elevated levels of COC in this assessment.

The source of the residual hydrocarbons in groundwater remaining on the property is likely from spills or leaks from a fuel dispenser located at the southern end of the fuel island by boring SB-2. The vertical and horizontal extent of the plume has not been fully defined.

AllWest recommends a series of geoprobe borings be advanced down-gradient of the south fuel dispensers along the western and northern sides of the site building. Grab groundwater samples should be collected and analyzed for various petroleum hydrocarbon constituents including TPHg, TPHd, TPHmo, BTEX and fuel oxygenates. If the work adequately defines the extent of the plume a Conceptual Site Model should be developed to assess impacts to the environment and human health providing a framework to evaluate remedial options.

IX. REPORT LIMITATIONS

The work described in this report is performed in accordance with the Environmental Consulting Agreements between Mr. Clarence Glasper c/o Mr. Thomas Gillis and AllWest Environmental, Inc., dated April 2008. AllWest has prepared this report for the exclusive use of Mr. Clarence Glasper for this particular project and in accordance with generally accepted practices at the time of the work. No other warranties, certifications or representation, either expressed or implied are made as to the professional advice offered. The services provided for Mr. Clarence Glasper c/o Mr. Thomas Gillis were limited to their specific requirements; the limited scope allows for AllWest to form no more than an opinion of the actual site conditions. No matter how much research and sampling may be performed the only way to know about the actual composition and condition of the subsurface of a site is through excavation.

The conclusions and recommendations contained in this report are made based on observed conditions existing at the site, laboratory test results of the submitted samples, and interpretation of a limited data set. It must be recognized that changes can occur in subsurface conditions due to site use or other reasons. Furthermore, the distribution of chemical concentrations in the subsurface can vary spatially and over time. The results of chemical analysis are valid as of the date and at the sampling location only. AllWest cannot be held accountable for the accuracy of the test data from independent laboratories nor for any analyte quantities falling below the recognized standard detection limits for the method utilized by the independent laboratories.

TABLES

TABLE 1 Summary of Soil Analytical Data

Mandela Trucking 1225 Mandela Parkway Oakland, California

AllWest Project No. 28074.23

		Total Peti	roleum Hyd	rocarbons						1	V22111		
Date Sampled	Sample Name and Depth	трн-с	ТРН-D	трн-мо	Benzene	Toluene	Ethyl benzene	Xylenes	МТВЕ	1,2 Dibromoethane (EDB)	1,2 Dichloroethane (1,2-DCA)	VOCs (Reporting Limit Varies)	Lead
7/14/2008	SB-5 6' - 6.5'	ND(<1.0)	ND(<1.0)	ND(<5.0)	ND(<0.005)	ND(<0.005)	ND(<0.005)	ND(<0.005)	ND(<0.05)	ND(<0.004)	ND(<0.004)	NA	ND(<5.0)
7/14/2008	SB-5 9.5' - 10'	ND(<1.0)	ND(<1.0)	ND(<5.0)	ND(<0.005)	ND(<0.005)	ND(<0.005)	ND(<0.005)	ND(<0.05)	ND(<0.004)	ND(<0.004)	NA	ND(<5.0)
7/14/2008	SB-6 5.5' - 6'	ND(<1.0)	ND(<1.0)	ND(<5.0)	ND(<0.005)	ND(<0.005)	ND(<0.005)	ND(<0.005)	ND(<0.05)	ND(<0.004)	ND(<0.004)	NA	ND(<5.0)
7/14/2008	SB-6 9.5' - 10'	ND(<1.0)	ND(<1.0)	ND(<5.0)	ND(<0.005)	ND(<0.005)	ND(<0.005)	ND(<0.005)	ND(<0.05)	ND(<0.004)	ND(<0.004)	NA	ND(<5.0)
7/14/2008	SB-7 6' - 6.5'	ND(<1.0)	ND(<1.0)	ND(<5.0)	ND(<0.005)	all	ND(<0.005)	ND(<0.005)	ND(<0.05)	ND(<0.004)	ND(<0.004)	NA	5.8
7/14/2008	SB-7 10' - 10.5'	220	3,900	1,400	ND(<0.10)	ND(<0.10)	ND(<0.10)	ND(<0.10)	ND(<1.0)	ND(<0.004)	ND(<0.004)	NA	ND(<5.0)
7/14/2008	SB-7 14.5' - 15'	ND(<1.0)	2	ND(<5.0)	ND(<0.005)	ND(<0.005)	ND(<0.005)	ND(<0.005)	ND(<0.05)	ND(<0.004)	ND(<0.004)	NA	ND(<5.0)
7/14/2008	SB-7 15.5' - 16'	1.9	11	5.3	ND(<0.005)	ND(<0.005)	ND(<0.005)	ND(<0.005)	ND(<0.05)	ND(<0.004)	ND(<0.004)	NA	ND(<5.0)
7/14/2008	SB-7 19.5' - 20'	ND(<1.0)	ND(<1.0)	ND(<5.0)	ND(<0.005)	ND(<0.005)	ND(<0.005)	ND(<0.005)	ND(<0.05)	ND(<0.004)	ND(<0.004)	NA	ND(<5.0)
7/14/2008	SB-8 6' - 6.5'	ND(<1.0)	ND(<1.0)	ND(<5.0)	ND(<0.005)	ND(<0.005)	ND(<0.005)	ND(<0.005)	ND(<0.05)	ND(<0.004)	ND(<0.004)	NA	7.4
7/14/2008	SB-8 9.5' - 10'	ND(<1.0)	230	71	ND(<0.005)	ND(<0.005)	ND(<0.005)	ND(<0.005)	ND(<0.05)	ND(<0.004)	ND(<0.004)	NA	ND(<5.0)
7/14/2008	SB-9 3' - 3.5'	ND(<1.0)	ND(<1.0)	ND(<5.0)	ND(<0.005)	ND(<0.005)	ND(<0.005)	ND(<0.005)	ND(<0.05)	ND(<0.004)	ND(<0.004)	NA	240
7/14/2008	SB-9 9.5' - 10'	ND(<1.0)	ND(<1.0)	ND(<5.0)	ND(<0.005)	ND(<0.005)	ND(<0.005)	ND(<0.005)	ND(<0.05)	ND(<0.004)	ND(<0.004)	NA	5.2
7/14/2008	SB-10 3' - 3.5'	ND(<1.0)	ND(<1.0)	ND(<5.0)	ND(<0.005)	ND(<0.005)	ND(<0.005)	ND(<0.005)	ND(<0.05)	ND(<0.004)	ND(<0.004)	NA	ND(<5.0)
7/14/2008	SB-10 9.5' - 10'	ND(<1.0)	ND(<1.0)	ND(<5.0)	ND(<0.005)	ND(<0.005)	ND(<0.005)	ND(<0.005)	ND(<0.05)	ND(<0.004)	ND(<0.004)	NA	ND(<5.0)
7/14/2008	SB-11 5.5' - 6'	ND(<1.0)	ND(<1.0)	5.7	NA	NA	NA	NA	NA	NA	NA	0.022 PCE	550
7/14/2008	SB-11 9.5' - 10'	ND(<1.0)	ND(<1.0)	ND(<5.0)	NA	NA	NA	NA	NA	NA	NA	all ND	ND(<5.0)
7/14/2008	SB-12 5' - 5.5'	ND(<1.0)	ND(<1.0)	ND(<5.0)	NA	NA	NA	NA	NA	NA	NA	all ND	ND(<5.0)
7/14/2008	SB-12 9.5' - 10'	ND(<1.0)	ND(<1.0)	ND(<5.0)	NA	NA	NA	NA	NA	NA	NA	all ND	ND(<5.0)
7/14/2008	SB-13 5' - 5.5'	ND(<1.0)	ND(<1.0)	ND(<5.0)	NA	NA	NA	NA	NA	NA	NA	all ND	ND(<5.0)
7/14/2008	SB-13 9.5' - 10'	ND(<1.0)	ND(<1.0)	ND(<5.0)	NA	NA	NA	NA	NA	NA	NA	all ND	5.1
7/14/2008	SB-14 5' - 5.5'	ND(<1.0)		ND(<5.0)	NA	NA	NA	NA	NA	NA	NA	all ND	ND(<5.0)
7/14/2008	SB-14 9.5' - 10'	ND(<1.0)	ND(<1.0)	ND(<5.0)	NA	NA	NA	NA	NA	NA	NA	all ND	ND(<5.0)

Notes:

All results are reported in milligrams per kilogram (mg/kg) [equivalent to parts per million (ppm)], except where noted.

TPH-G - Total petroleum hydrocarbons as gasoline (analytical method SW8015Cm)

TPH-D - Total petroleum hydrocarbons as diesel (analytical method SW8015C)

TPH-MO - Total petroleum hydrocarbons as motor oil (analytical method SW8015C)

MTBE - Methyl tert-butyl ether (analytical method SW8260B)

Benzenze, Toluene, Ethylbenzene, Xylenes (BTEX) (analytical method SW8260B)

EDB - 1,2 Dibromoethane (analytical method SW8260B)

1,2-DCA - 1,2 Dichloroethane (analytical method SW8260B)

VOCs - Volatile organic compounds (analytical method SW8260B)

Lead (analytical method 6010C)

ND (<1) - Not detected at or above listed reporting limit

NA - Not analyzed

TABLE 2 Summary of Groundwater Analytical Data Organic Compounds

Mandela Trucking 1225 Mandela Parkway Oakland, California

AllWest Project No. 28074.23

Sample		Total	tal Petroleum Hydrocarbons				Ethyl		100		
Name	Date Sampled	TPH-G	TPH-D	ТРН-МО	Benzene	Toluene	benzene	Xylenes	MTBE	VOC's	Lead
W-SB-7	7/14/2008	270	380,000	130,000	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<5.0)	3.1 (Naphthalene) 2.4 (sec-Butyl benzene)	ND(<0.5)
Water (Quality Criteria	100	100	100	1	40	30	20	5	17 (Naphthalene) NE(sec-Butyl benzene)	2.5

NOTES:

All results are reported in micrograms per liter (µg/L) [equivalent to parts per billion (ppb)], except where noted.

TPH-G - Total petroleum hydrocarbons as gasoline (analytical method SW8015Cm)

TPH-D - Total petroleum hydrocarbons as diesel (analytical method SW8015C)

TPH-MO - Total petroleum hydrocarbons as motor oil (analytical method SW8015C)

MTBE - Methyl tert-butyl ether (analytical method SW8260B)

Benzenze, Toluene, Ethylbenzene, Xylenes (BTEX) (analytical method SW8260B)

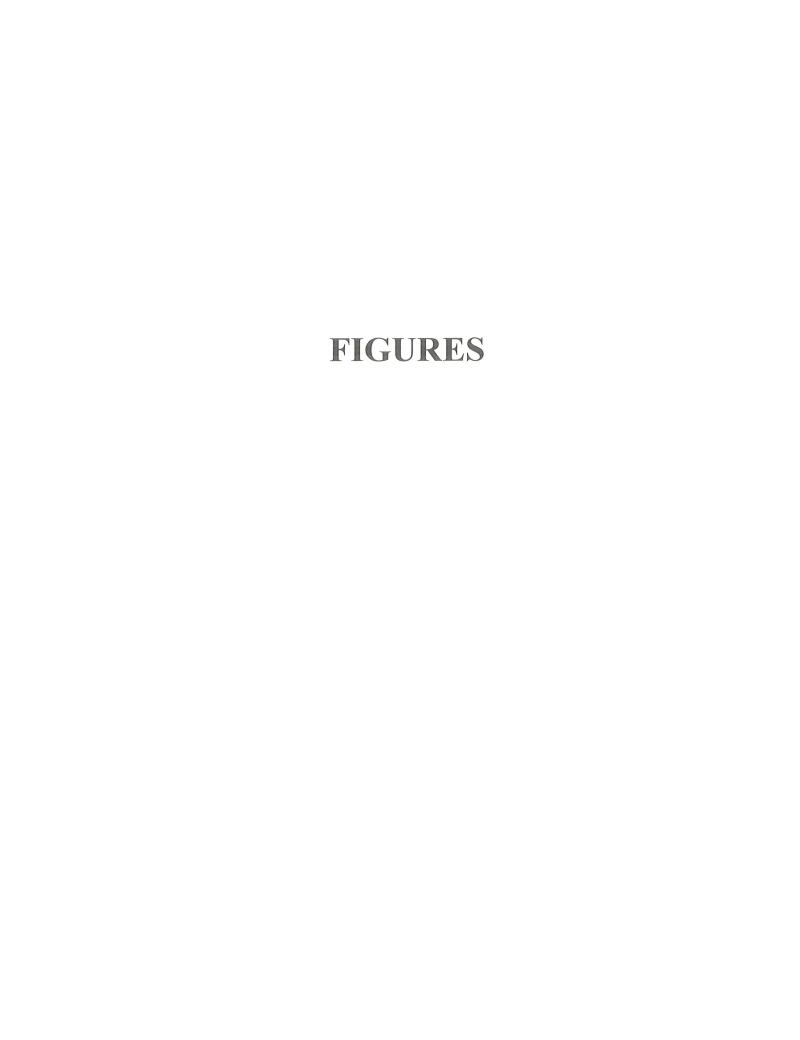
VOCs - Volatile organic compounds (analytical method SW8260B)

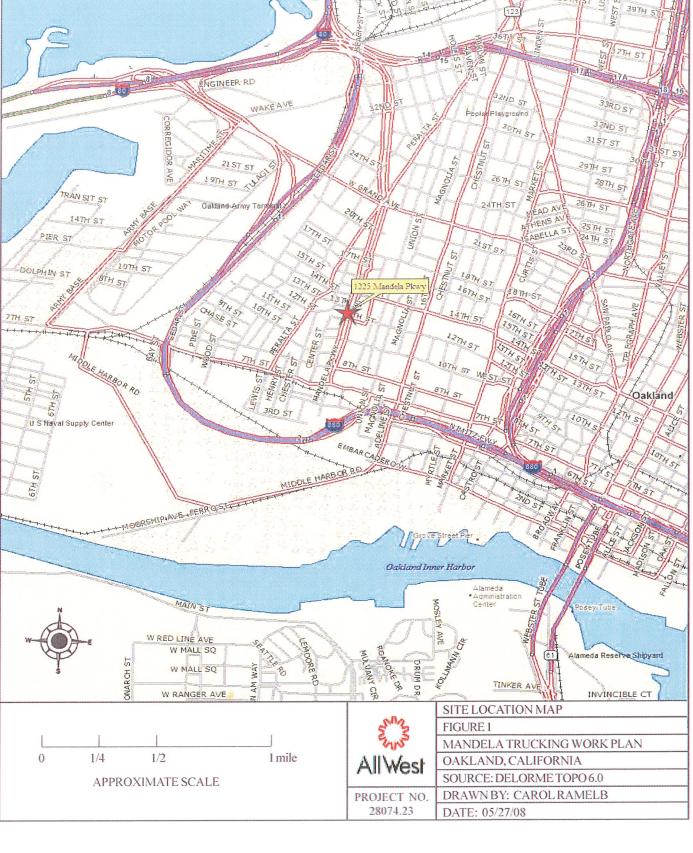
Lead (analytical method 6010C)

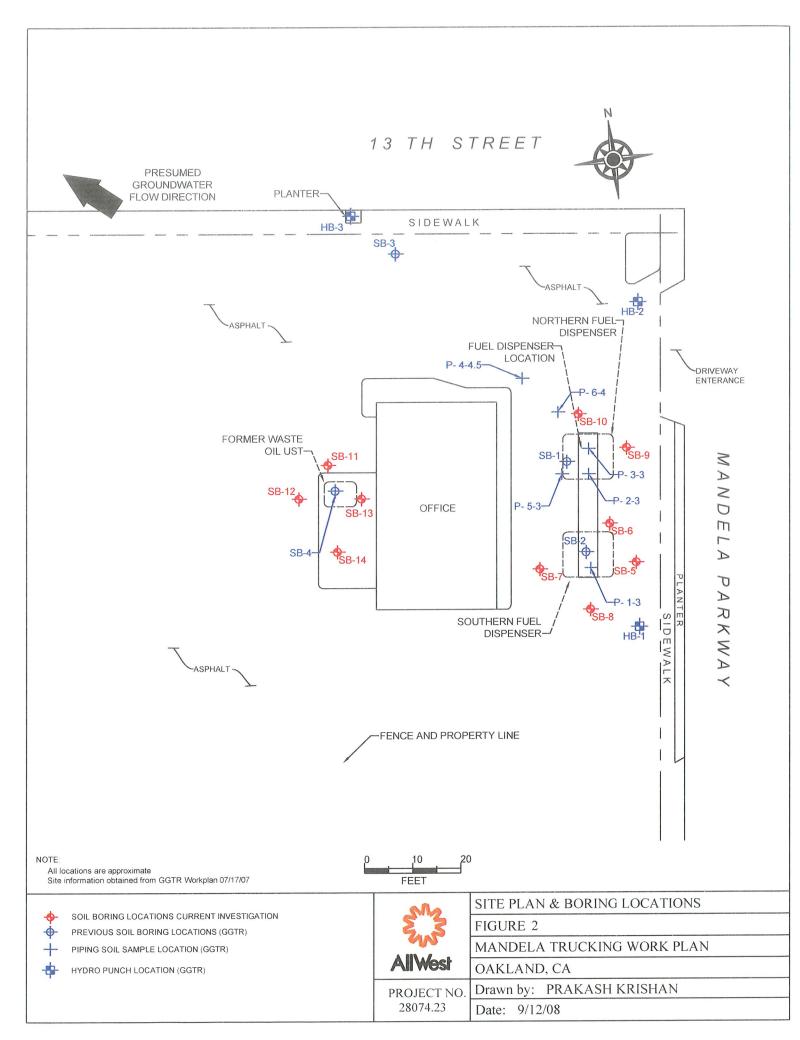
ND - Not detected at or above listed reporting limit

NE - Not established

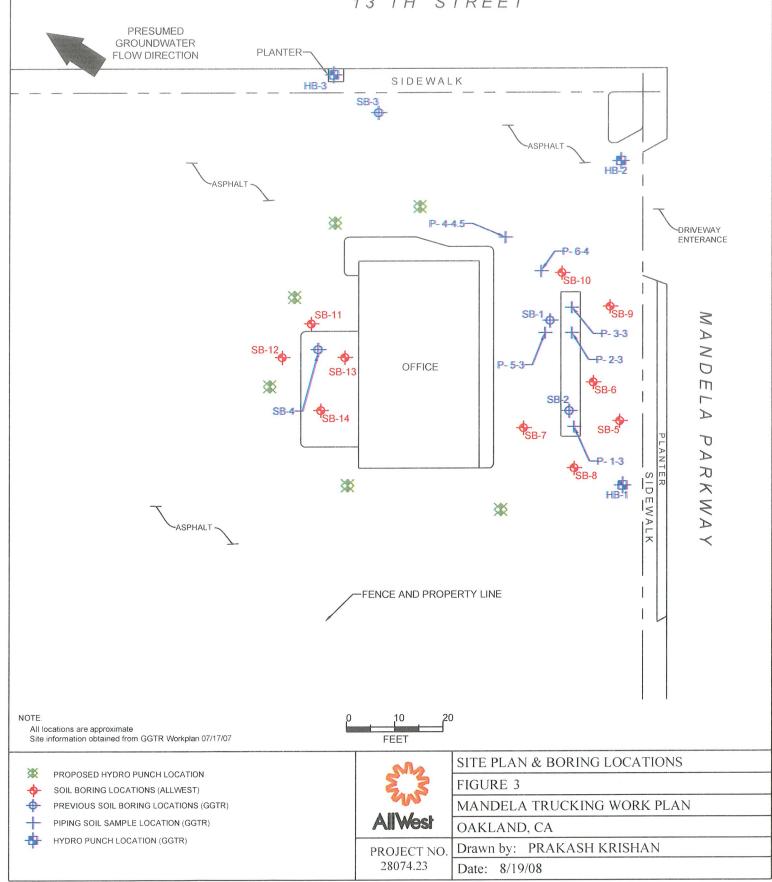
Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater. Regional Water Quality Control Board, May 2008







13 TH STREET



APPENDICES



STANDARD GEOPROBE SAMPLING PROCEDURES

Soil Sampling

Soil core sampling is accomplished using a nominal 4-foot long, 3-inch diameter galvanized steel drive probe and extension rods. The drive probe is equipped with nominal 1-1/2 inch diameter clear plastic poly tubes that line the interior of the probe. The probe and insert tubes are together pneumatically driven using a percussion hammer in 4-foot intervals. After each drive interval the drive probe and rods are retrieved to the surfaced. The poly tube containing subsurface soil is then removed. The drive probe is then cleaned, equipped with a new poly tube and reinserted into the boring with extension rods as required. The apparatus is then driven following the above procedure until the desired depth is obtained. The poly tubes and soil are inspected after each drive interval with lithologic and relevant drilling observations recorded. Soil samples are screened for organic vapors using an organic vapor meter (OVM) or other appropriate device. OVM readings, soil staining and other relevant observations are recorded. Selected soil sample intervals can be cut from the 4-foot intervals for possible analytical or geotechnical testing or other purposes.

The soils contained in the sample liners are then classified according to the Uniform Soil Classification System and recorded on the soil boring logs.

Sample liners selected for laboratory analyses are sealed with Teflon sheets, plastic end caps, and silicon tape. The sealed sample liner is then labeled, sealed in a plastic bag, and placed in an ice chest cooled to 4°C with crushed ice for temporary field storage and transportation. The standard chain-of-custody protocol is maintained for all soil samples from the time of collection to arrival at the laboratory.

Groundwater Sampling

Groundwater sampling is performed after the completion of soil sampling and when the boring has reached its desired depth. The steel probe and rods are then removed from the boring and new, nominal 1-1/2 inch diameter PVC solid and perforated temporary casing is lowered into the borehole. Depth to water is then measured using an electronic groundwater probe. Groundwater samples are collected using a stainless steel bailer or a disposable Teflon bailer.

After the retrieval of the bailer, groundwater contained in the bailer is decanted into laboratory provided containers. The containers are then sealed with Teflon coated caps with no headspace, labeled, and placed in an ice chest for field storage and transportation to a state certified analytical laboratory. The standard chain-of-custody protocols are followed from sample collection to delivery to the laboratory. A new bailer is used for each groundwater sampling location to avoid cross contamination.

			Log of B	orina:	SB-	S Date	: 7/14/0	8	Sheet_	l of	F 1
	MA		THE RESERVE OF THE PERSON NAMED IN		COLUMN TO SERVICE AND ADDRESS OF THE PARTY O	Trucking, Oaklan		-	1000		
						4 . 23 Project Nan		10. 7	101-2	-	
A ==	4110		Drilling C				G. HANDA	· v i ruc	11 1 1 m al		
All	West		Contract of the Party of the Pa	CONTRACTOR AND DESCRIPTION OF			11.1. 0:	-	0.14		-
AllWest Er	vironmental, Inc					seera probe	the same of the sa	ameter:	AND DESCRIPTION OF THE PERSON NAMED IN	-	
			Sampier	Type:		polv-Sleeve		By: M. L.			
Sample	Sample	lmp	OVM Reading	Depth	uscs				17.6.	400.	T.
Time	Number	တိ	Reading	in Ft.	Code	Descr	ption				
10:36		Н			77 77 2	Concrete 2"					
				- 1 -	SM	SILTY SAND	Merrit San	nd) brow	vi sli	ch+ly	,
				_ 2 _	-	moist 1	030)	
		H	0.9		Merry #	Ú.					
		H		— 3 —							
				_ 4 _	t						
10140					\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$						
		7		_ 5 _	ج	- la	1 5		. 12 . 1 . 1		.1
		H			1	" becomin	S, WCT,	INE GEN	e property	n a r c	
	6-61/2	\prod		6 -							1
		H		- 7 -							
		\mathbf{H}									
		1		- 8 -		- Less Fines	d a				
		H	3.7	- 9 -							
10:45	91/2-10	H			-						
	116-10	4		-10	79	TO 10°					
		1		-11		7					
		-			-						
		+	-	- 12-	F						
				- 13							
		_									
		+	-	- 14-	-						
				- 15				(a) training			
		_				,	Will value R	ED GEO			
		+		-16-	-		1/8/20	SIEMB	2		
		\top					12/2	Tr.	(A)		
		I		-17			I S No	: 4007			
		-		-18-	-		110	/ 4007			
							1/3	Alle.	1		
		L		19			FOF	CALIFORM	7		
		+		20	-			Daill			
		1						Con Contraction			
		L		21							
tes:	us back fi	110	d to the se	at" Ce	w. e u l	1112 Tierriz pipe					-
- 13011	DE CIL FI	1. 66	NE	n: Le	eaths (11. 11. 11. 11. 11. 11. 11. 11. 11. 11.					

		arter in the	Log of B	oring:	< n	3-6 Date: 7/14/08 Sheet 1 of 1
	Ma					Trucking, Oakland CA
			Location	170.4	2220	The state of the s
	by just					74.23 Project Name: Mandella Trueking
	West		Drilling C	manufacture of the second		
Albarate	nvironmental, Inc.		Drilling N	THE PARTY OF THE P	William Co.	Geograbe Hole Diameter: 21/2
	1					poly- Sleave Logged By: M. L. Siembicola
Sample	Sample	mple	OVM Reading	Depth	uscs	Soil 73. 4007
Time	Number	Sai	Reading	in Ft.		
10:55				-	2017	Concicte
		Н		- 1 -	5M	511 TV 5 B NO /H- 11 C 1
				 - 2 -	1	SILTY SAND (Merrit Sand) - brown
					3	- Mary + 100se
				_ 3 _	Merrit	·
				 - 4 -	4	
				_ 4 _	5 5 6	
				_ 5 _	ع	
11:00	51/2-6	H				Λ (
11:00	112-6	0		- 6		- As above
			9.0	_ 7 _		
	ŀ	1		_ ' _		
		-		- 8 -	-	
				- 9 -		
				_ = _		
11:05	9/2-10	7		-10-	V	TD - 10'
		+			ŀ	1 () - 10
				-11-		
		+		- 12-	-	
		-			-	
		1		- 13		
		1		- 14		
		-			-	
		-		- 15-	-	. STERED GEOVE
		I		- 16		L. SIEM, CO.
		+		- '-	_	
		+	-	- 17-	-	No: 4007
				-18		
		+		- "-	-	Alas Colonia de la Colonia de
		+		19	-	OF CALIFORNIA
				20		\alpha\lambda
		-		. —	-	VV*
		+		21 —	-	
otes:						
100	ing back f	ille	d ul" Ne	a +11 ce	hnent	VIA Firmis pipe

Sample Time	West vironmental, Inc. Sample Number		The same of the sa	lumber: contract lethod: Type:	: 2807 tor:	Sepprobe Hole Diameter: 21/2 poly-Sleeve Logged By: M. L. Siembieda
Sample Time	Sample Number		Drilling C Drilling N Sampler	ontract lethod: Type:	tor: E	Sepprobe Hole Diameter: 2 1/2 poly- Sleeve Logged By: M. L. Siembiede
Sample Time	Sample Number		Drilling M Sampler	lethod: Type:	(Sepprobe Hole Diameter: 21/2 poly-Sleeve Logged By: M. L. Siembieda
Sample Time	Sample Number		Sampler	Туре:		poly- Sleave Logged By: M. L. Siemblede
Sample Time	Sample Number					
Time	Number	Sample	OVM Reading	Depth in Ft.	uscs	Coil 5/ 1/2/27
		Sar	Reading	in Ft.		Soil
	NO-REC			N	Code	Description
	NO-REC				イント	Concrete 2"
	NO-REC	H		- 1 -	Fill	SILTY SAND (Fill) = brown to block
				_ 2 _		- some fine gravel losse,
1			-0-			- some fine gravel, loose, - slishtly moist
		H		- 3 -		· (Poor Recovery)
		\$				(Ind) Meconety)
		H		— 5 —		
					SM	
	6-61/2	\Box	,4.0	- 0 -	· · ·	- SILTY SAND (Herrit Sand) - brown Fine
		+		- 7 -	-	grained with some clay
		9		_ , -	ŀ	
				- 8 -		
		H		- 9 -	-	* becoming SITTY SAND
		\parallel	4.0	-10	-	- becoming SILTY SAND, Gray, medium - grainer
	0-101/2	П		- 10	V	
		H		-11-	E	Water first excounted @ ~ 10.574
	g	,		- 12	10.65	- be compre - vellowish brown build
1900				- 12		- be coming - yellowish brown, hard - medium to fine grained - NO DOOR - some "Fe" staining
		+	3.5	- 13-	-	- some "Fe" staining
	and the second	T	21.3	- 14		
0.00				- 14		
9:05 1	41/2-15	-		- 15-	-	- harder
/	51/2-16	7				
		L		-16-		- slight Sheen (Patroleman)
		+		-17-	-	- odor Pertroleum
		T		.10		- odor Pertroleum
		-		18		No. 4007
		+		19	-	No: 4007
54 19	1/2-20 6	I		20		
		-			_	TO - 20
		1		21		OF CALIFORNIA
es: - 5e	+ tempor	211	1 Casins	@ 16	- col	Lest ground unter Samples @ 10.65 / Juster Stables 2.3 pen at ter Sampling

		Log of Bo	ring:	5 B	- 8 Date: 7/14/08 Sheet of 1
MA		-	-	STREET, SQUARE,	Trucking, Oakland CA
					14.23 Project Name: Mandella Truelling
AllWe	st	Drilling Co	THE R. LEWIS CO., LANSING, SALES,		
AllWest Environment		Drilling Me	Company of the Compan		6 - p probe Hole Diameter: 2 1/2
		Sampler Type:		The residence of the last of t	Logged By: M. L. Sigmbigs
Sample Sam	. 15	1	- 1	uscs	
Time Num	ber 👸	Reading	in Ft.	Code	
10:15				SM	3" Concret
			_ 1 _	711	SILTY SAND (Herr: H Sand) brown, medicum
		- 1	- 2 -		grained, louse
		1.3		7	
			- 3 -	Merri H	
	V		- 4-		
		-	- 5	Sand	- poor recovery
			- 5 -	٤	
1	-H	0.2	- 6 -		
6-61/2		3.3			
			7 —		- chang in color to durit greenish gray
10-70	1		- 8 -		
	-H				Slight odor
			9 —		
10:30 91/2-10) 4		10	40	77. (0)
	\dashv		. –	•	TD-10'
	\Box		11		
	-H		12-	-	
			17	-	
		ii ii	13		
	+		14	-	
			15	-	
			16-	H	
			17		TO THE DECOME
			''-		The state of the s
			18	-	
			19		E No. muy
	-		-	-	
			20		The state of the s
			21		G CAN
tes:					Silhen
- borish	back F	illed al	" nead	" cew	ent via tremie pipa
G					

4	alla		Log of B	a special regions before particular trans-	Control of the Contro		7/14/08 Sheet 1 of
						Truelling, Oakland C	
-	MIS					4.23 Project Name: 17	andella Truelling
AII	West		Drilling C			CA	
4 688			Drilling N				lole Diameter: 2 1/2
	nvironmental, Inc		Sampler	Y	N. Contraction of the Contractio		ogged By: M. L. Siembieda
Sample	Sample	Sample	OVM		uscs	Soil	P.S. 4007
Time	Number	Sa	Reading	in Ft.	Code	Description	
		1			> (7 5	Concrete	
				1 -	5M	SILTY SAND (Merrit	+ Sand) - brown, Fine - Some gray staining
		Н		- 2 -		- graincely -	- Some gray staining
			0.6				
	3-81/2				9		
		4		- 4-	Merrit		
•		Ů		_ 5 _			
		H			5 2 2	-becoming wet,	brown
		100		6	9		
				- 7 -			
			0.1	- 1			
				- 8 -			
		+		- 9 -	-		
1:20	91/2-10	y		-10			
		1			-	TD-10	
			-	-11-	-		
-				- 12			
		+			F		
		1		- 13			
		+		- 14-	-		
		-		- 15	-		
				- 13		,	
		+		-16-	-		
		1		-17-			and the same of th
		+	-		_		L. SIEM SE
				- 18 -			
		+		19-	-		15 5 5 5 5 5 5 5 5 5
				-20			No: 4007 / №
		-		. ~]			
		土		21 —			OF CAUTORNAL.
es:	oring b						CMP.
						ment us tremiell pipe	

			Log of B	orina:	SB-	10 Date: 7/14		
4	MA					Trucking, Oakland CA	Juleat 1 01 1	
3						14. 23 Project Name: Flance	falls. Tourist	
	21/2		Drilling C				arra reactive of	
All	West	9	THE RESERVE TO SHARE THE PARTY OF THE PARTY		The state of the s		Diameter 91	
AllWest E	invironmental, Inc		Drilling Method: Sampler Type:					
	1		OVM	Y	Y		ged By: M. L. Siembiecka PS. 4007	
Sample	Sample	ample		4	uscs		· 76, 900 1	
Time	Number	Sai	Reading	in Ft.	Code			
		$\ \cdot\ $		- -	F:11	· Concrebe		
		П		1 -	Market Street,			
	-	H	0.6	- 2 -	SM	SILTY SANO (Herritt So	and brown and dorth	
		Н	0,6			gray, median	grained, look, dry	
12:30	3-31/2	Ш		3 -	7			
		10		_ 4 _	Merri H			
		H		 _ 5 _	I	· becoming brown	some they more	
				_ 5 _	505		<u>·</u>	
		H	1.6	- 6 -	Ş.,			
					i			
				- 7 -				
12135		4		- 8 -				
		+			-	MOISTURE INCICAS	<i>~</i> 5	
		+		- 9 -				
12:40	91/2-10	p.		-10	(9)			
		+			-	TD-10'		
		1		-11-	-			
				- 12				
		+	-		-			
		\top		- 13-	1			
		\perp		- 14				
		-			-			
		-		- 15-	-			
		\bot		-16			And the same of th	
		+			-		STEAST OF THE	
		\pm		-17-			ASSO SIEMONON	
		_		-18			1/5	
		ŀ			-		No. 4007	
		1		19			12/	
		+		-20-			OF THE OF	
		+	-		-		OF CALIFO	
				21			AM	
otes:	ioring ba	.v 1	a Hed .	1"100=	B (2 10 -	ent via tremie pipe		
Long T _{ext}	01111 3 56	er 1	ilied (4)	IN E IS!	CEMI	Via I temie bibe		

	MA		Log of B	A STATE OF THE PARTY OF THE PAR	The second secon	Date: 7/14/08 Sheet 1 of 1
**						Trucking, Oakland CA 4.23 Project Name: Mandella Trucking
A ##			Drilling C			
All	West		Drilling N		THE PARTY NAMED IN COLUMN	
AllWest E	nvironmental, Inc	:.	The second secon	Asserted the Control of the Control	A STATE OF THE PARTY OF THE PAR	Hole Diameter: 2 1/2 pol 14 - Sleave. Logged By: M. L. Siembieda
Sample	Sample	9				Soil PARTON
Time	Number	amp	OVM Reading	Depth	Code	Description
14:00	Number	S	Reading	mrt.	Code	Description A so half
1-1.00					1	D(3 () 100 ()
		Н		L'-	FILL	FILL mixture OF SAND and GRAVEL
		Н		— 2 —		dark gray to groyish brown
				_ 3 _		- 50 me Silt
		H				·
		H		- 4 -	1	
		П		_ 5 _		
14:05	542-6	B				SILTY SAND with CLAY - (Herritt Sand)
	7.20	1		6 -		
		Ш		-7-	64	- brown, moist, dense
		+			5M	
				- 8 -	Constitution	
		+		- 9 -	6 4 4 4	
14.10	91/2-10	13		-10	1	
				- 10		TD-10'
		+		-11-	-	
		\top		- 12		
		1		- 12		
		+		- 13-	-	
				- 14		
		-	N			
		+	+	- 15-	-	
		1		-16		
		-			_	ACREO GEN
		1		-17		SIEMO CO
		-		-18		
		上				No. 4007
		_		-19		The second of th
-		+	-	-20	-	
		1		-21		OF CALIFORNIA
es:		L				
THE RESIDENCE OF THE PARTY OF T	iring bu	14	T 11 - 1	. 1 11 6/	0 1411	ement un tronia pipe

	alla		Log of B	oring:	SP	3- 12 Date: 7/14/08 Sheet 1 of 1
						. Trucking, Oakland CA
	THE		Project N	lumber:	280	74.23 Project Name: Mandella Truelling
1	l West		Drilling C			
AI			Drilling N	lethod:		Geoprobe Hole Diameter: 21/2
AllWest	Environmental, Inc		Sampler '	Туре:		poly- Sleeve Logged By: M. L. Siembicola
Sample	Sample	nple	OVM	Depth	uscs	Soil PA 4907
Time	Number	Sar	OVM Reading	in Ft.	Code	Description
13:15						Asphalt
		Н		- 1 -		
				 - 2 -	SC	SILTY CLAYEY SAND (Merritt Sound) brown
	-	Ш			SM	
		Н	-0-	— 3 —		-moist, druje
				_ 4 _		
		\mathbb{H}				
13:20	5-51/2	H		— 5 —		
		*		- 6		
		H				
				7 7		
		\prod	0.1	- 8 -		- some "fe" staining
		+				V
				9 -	ľ	
13:25	91/2-10	4		-10-		
		+			ŀ	7 D. 10
				11		
		-		- 12-	-	,
		+		-,-	ŀ	
				- 13		
		+		- 14-	-	
		-		- 15	r	
		\perp				
		+		-16-	-	
		1		-17		SERIO OF DE
		+		-''-	-	SIEASO
				18		
		\bot	F	19		No: 4007
		-				
		I		20		The second second
		+		21 —	-	OF CALIFORNIA
otes:						
- b	oring ba	611	Filled h	1"1 N	EATI	Coment via + 11 mie pipe
		-				

AllWest Env	West		Log of Boundary Location Project N	: Man	SB- della	Trucking, Oakland	7/14/08 Sheet of CA
I	West		Project N	lumbor	2.6 99	2 2 Decti Mala	
I	West		I I OJECT N		2207	4 77 Drainet Mamai	Manelalle Trueler
I	West						Mandella Trueking
I			Drilling C				11-1-12-13-13-13-13-13-13-13-13-13-13-13-13-13-
I	vironmental, Inc.	. 1	Dulling N	retnod:	(e a probe	Hole Diameter: 21/2
Sample				X	-	poly-sleeve	Logged By: M. L. Siembicala
	Sample	mple	OVM		uscs		P.6. 4007
Time	Number	Sa	Reading	in Ft.	Code	Descripti	on
13:40		H				Concrete	
		Н		- 1 -	Fill	FILL - gravel, son	d, brick
				- 2 -			
		$\vdash \vdash$			5 C	CLAVEY, SILTY SAI	un - (Mer. H SANO)
		H	2.1	- 3 -	w (m	-brown, Moiss	
			۷٠١	_ 4 _		- aroun, mois	TO LL & I
				_ " _			
13:50	5-51/2	-		_ 5 _	-		
13.30	3-31/2	\dashv			ŀ		
				6 -			
		1		- 7 -	F		
		+	6.1		//	-less aloy mon	en e lubu
			İ	- 8 -	SH	16 22 GIGY MOI	5/17
				- 9 -	3"		
13:55	G I/ I/o	+			-		
13.33	91/2-10	+		-10-	-	- TD-101	
				-11			
		_		_ ' _			
		+		- 12-			
		\top		- 13			
				- 13			
		+		- 14-	-		
		+	-		-		
				- 15		,	
		+		-16-	_		
		+			-		
		1		- 17 —			STORE
		_		-18			SIEM SIEM
		ŀ			-		
		T		19			No: 4007
		+		20	_		
		+			-		OF CALLED RAIL
		上		21			OF CALLY MALL
tes:	,			1 (1			(XIV)
- h	ouring 6	acl	(Iilled	ul	Nead"C	oment via tremle p	ipe

	. 1		Log of B	oring:	5 B	- 14 Date:	7/14/08 Sheet_1_ of
***	MIZ					Trucking, Oakland	
2	Wes		Project N	lumber	2807	4 . 23 Project Name:	Mandella Truelling
1 411		II.	Drilling C				Ç
All	wes					is o probe	Hole Diameter: 2 1/2
AllWest E	nvironmental, Ir	ıc.	Sampler	Type:		poly-sleeve	Logged By: M. L. Siembiecka
Sample	Sample	ple	OVM	Depth	uscs	Soil	P.6. 4007
Time	Number	San	OVM Reading	in Ft.	Code	Description	on
					And the second distribution and	CONCRETE	
		+		1-	SM		
				_ 2 _	/	- SILTY SAND with C	LAY - (Merritt Sand)
		+	- 0-		SC		
			0-	<u> </u>	1000000	- brown, slight	NUIST
		\prod		4-	60		
		+		- ₋ -	Mer = +		
13:00	5-51/2			— 5 —	· I		
		8		6 -	2000		
				- ₇ -	5 %		
		Ш		_ ′ _]			
		H	-0-	- 8 -		· be roming d	onse
		Ш		- 9 -			
		H					
13:05	91/2-10	4		-10		D-101	
		H		-11-	-		
		H		- , -	-		
		П		- 12			
		\vdash		- 13-	-		
				- 14			
		$\vdash \vdash$			-		
				- 15-		,	
				-16-			
		-	-		-		DED ON
				- 17			GST STEPLE
			-	- 18 -	-		Market Market
				-19			No. 4007
		-			-		No: 4007
		1		20			15.
		+		-21 —	-		OF CALIFORNIA
tes:							MIN
							V

McCampbell Analytical, Inc.

1534 Willow Pass Road, Pittsburg, CA 94565-1701 Web: www.mccampbell.com \quad E-mail: main@mccampbell.com Telephone: 877-252-9262 Fax: 925-252-9269

All West Environmental, Inc	Client Project ID: #28074.23; Mandela Sub,	Date Sampled: 07/14/08
530 Howard Street, Ste. 300	Oakland	Date Received: 07/15/08
San Francisco, CA 94105	Client Contact: Mike Siembieda	Date Reported: 07/23/08
Suil Funcisco, CFI 74103	Client P.O.:	Date Completed: 07/23/08

WorkOrder: 0807354

July 23, 2008

D		r•1
Dear	N/	11/20

Enclosed within are:

- 1) The results of the 24 analyzed samples from your project: #28074.23; Mandela Sub, Oakland,
- 2) A QC report for the above samples,
- 3) A copy of the chain of custody, and
- 4) An invoice for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions or concerns, please feel free to give me a call. Thank you for choosing

McCampbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius Laboratory Manager

McCampbell Analytical, Inc.

0807354

															-																	
_ W N	IcCAMP					AL	, IN	IC.														C	US	T	OL	Y	R	EC	CORI)		
		PITTSBU	RG, CA 9	4565-1	701								7	ΓU	RN	AR	JO	JNI	T	M	£				_])		A	
We Tel	bsite: www.m lephone: (87	ccampbel	Leom En	nail: n	Fax:	mee	ampl	ell.c	om				1	200	Tre	ack	or I	7DI	X	5 .	ΡD	IF I	RUS	H Ev	24	HR	h x	48 F	ite On	HR	5 DAY	
	repriorie: (67	1) 232-92	02		rax	: (92	3) 43	32-9	209				1	300	111	ICK															required	
Report To: MIC.				Bill To):													A	naly	_									Othe	_	Comments	
Company: ALL													*		6			*		r												
530 HOW	ARD ST	#30	0					0					ITBE	×	se (1664 / S520 E/B&F)			40		EPA 608 / 8082 PCB's ONLY; Aroclors / Congene			1								Filter Samples	
Tele: (4/5) 39	PANCISCO	C4 9	4/05 E	-Mai	1:141	CHI	9EL	@ A	LU	23	11,	COM	N/(S	1:0	520 E			E01		Cor						20)	(07				for Metals	
Project #: 280			- 1	ax: (4/S	2	7/	-2	00	2 5	115	0	8010	0	4/58	8.1)	(3)	051		clors		(S)	=		8	09/6	5 Metals (200.7 / 200.8 / 6010 / 6020)				analysis:	
Project Location:	DAKLA	ND -	- '	Tojec	LIVAL	ne: /	-(1)	NU	ecr	7 _	301/	_	+ +	0,4	991)	s (41	HVG	20	ides)	Aro		picie	4	9	PNA	9	0109	6			Yes / No	
Sampler Signatur		V	21			_							7.80	Ľ	rease	Fotal Petroleum Hydrocarbons (418.1)	021	PAG	estic	ILY:	8141 (NP Pesticides)	515 / 8151 (Acidic Cl Herbicides)	000	VOC	8270 SIM / 8310 (PAHs / PNAs)	17 Metals (200.7 / 200.8 / 6010 /	0.8	(60107 6020)				
		SAME	LING		90	Ι,	MAT	RIN				HOD	1 (9)	1	& G	drocs	8/01	NA	0	\$ 0	Pest	die	S0 (V	S) 02	0 (P.	7/2	7/20	0109				
	LOCATION	- CALANTI	211.10	20	iner	H	11.4.1	1012	\vdash	PRI	ESEI	RVED	1 3	8018	li Oi	n Hy	/ 80	GNE	1808	PCB	S	(Aci	/ 820	/ 82	/831	(200	(200.	0.8		5		or is
SAMPLE ID	LOCATION/ Field Point			Containers	Containers				Ш				E) Jasa	oleun	oleun	/ 601	EX	/809	8082	814	15	/ 624	/ 625	SIM	letals	etals	7/20		7	multiRange mtbe,btex, 2db,1,2DCA-8	801
	Name	Date	Time	out	Š	ter		lge	er.		اد	er o	3	as Di	Petr	Petr	502.2	E/B	/508/	/808	2017	18/	524.2	525.2	8270	17 N	S M	200.			mthe, blex,	21.5
				0 #	L dy	Water	Soil	Sludge	Other	CE	HCL	HNO ₃	BTEX &	TPH as Die	Total Petrole	Potal	EPA 502.2 /	MTBE / BTEX ONLA/TEPA/602+8021)	EPA 505/ 608 / 8081 (CI Pesticides)	PA (FPA	PA.	EPA 524.2 / 624 / 8260 (VOCs)	EPA 525.2 / 625 / 8270 (SVOCs)	V43	CAM	LUFT	Lead (200.7 / 200.8 /		ľ	idb, 1,2DCA-8	260
58-5 6-65		7/14/08		1		-	X	-		X		-	\vdash	X	-		_	X	-	-	-	-	-	-	_	_	_			\dashv		
5B-5 9.5'-10'		1177/08		1			X	+	Н	5	+	+	X	_				X			\dashv	+	+	+	-			X		\dashv		
300 100				<u> </u>			^	+	\vdash	^	+		×	A				^	-		-		-	-				X		-		
SB-6 55-6'				1		Η,	X		Н	V	+	+	×	164						+	\dashv	+	+				-	4		\dashv		
58-6 95-10				1			1	+		X	+			X				X			-	+	+	-	-			×		\dashv		
30 6 15 10				-				+	Н	~	+	+	1	^				^	-	-	-	-	+	+	-	-		4		-		
SB-7 6'-65'				1			<u> </u>			X	+		v	х				×		-	+	+	+	+	+			x		+		
SB-7 10'-105'				1			1			X			ŵ	X				X					+	1				X				
SB-7 145'-15'				i			Ĺ		П	X			X					×					\forall					X		+		
58-7 15.5'-16'				1		1	L			X	T		X					×				\top						X		†		
SB-7 195-20'				1			X			1				×				X		1								X		\neg		
w-58-7				4	VOA	X				X	X		×	X	1			×				1		201	М	C					one	
W-SB-7/				1-1	AMB	X				X	X		×	/x				2				1	Λ	Per	IVI					1	anulsig	
W-SB-7		V		1-	AMB	X		-		X	_)			n								1					X			SES	
Refinquished By:	1. 19	Date:	Time:	Rece	ived B	y:		7	7						4			_	/							(ME	NTS:	/	رعاد	
Wester Clark	wv C	Theor a	20		_			X	/						CON SPA				_								/	U:	5 e - M)A/-	ACIDEY	
Relinquished By		Dafe:	Time:	Rece	iyed B	y:	1		1				DE	CHI	LOR	NAT	ED	N L	AB_ NER	e 1	/						(cuple			
Relinquished By:		Date:	Time:	Page	ived B		1	-(_	_				RVE				VER	3												
semiquisieu by:	_ /	Date	a time:	Rece	iveu B	y:											vo	AS	0&	G	MET	ALS	0	тн	ER							
													PR	ESE	RVA	TIO	V_				pH<2		-									

✓ M		1534 WIL	LOW PAS	S ROA	ND.	λL,	IN	C.						Т	UR	N	AR		H				C	US			Y	R	EC	O	RD		×
	osite: <u>www.mc</u> ephone: (877		com Em	ail: m		mcca (925	mpb () 25	ell.co 2-92	69												h	PD	F			cel		1		ite (On (
Report To: MICH	HAEL SIEN	1breda	В	ill To	:										S				A	nal	ysis	Rec	ues	t						C	Other		Comments
Company: QLCV	VEST EN	N.													Ž	0			dc A		S.												Filter
530 HOWN	GRO ST.	#30	0											TBE	+9 PG M.	'B&			0_		ngen												Samples
SAN FR	ANCISCO,	C4 9	105 E	-Mail	MI	CHA	ELL	@A	llu	فحقا	11	Ca	M	W/(9	6	20 E			E -	1	/ C01						(07)	50)					for Metals
Tele: (4/5) 39	1-25/0		F	ax: (415)3	9/	-20	20	8		0	_	8015)/	+	1/55	9	3	021)		lors		(sa	_		(8)	09/0	/ 60					analysis:
Project #: 280	74.23	. 0	P	roject	Nan	ne: /	MA	NUE	U	7 .	Su	3	\dashv	+	0	1664	<u>4</u>	170	2/8	des)	Aroc		bicid	15	_	PNA	0109	0109	8				Yes / No
Project Location:	OAKLA	NI	>1										\dashv	8021	afo,	388	bons	21 (1	09 V	stici	ξ,	ides	Her	(5)	000	Hs/	0.8	18.0	602				
Sampler Signatur	e: /	X	1								CET	но		(602	E	Gre	ocar	/ 80	(EP	O Pe	ON	estic	ie Cl	(VC	(\$7	(PA	7.20	7 200	7010				
100000000000000000000000000000000000000	LOCATION/	SAMP	LING	ers	ainers	N	AAT	RIX				RV		as Gas	(8015)	am Oil &	am Hydr	01/8010	X ONLY) 1808 /	32 PCB's	41 (NP P	SI (Acid	24/8260	25/8270	8270 SIM / 8310 (PAHs / PNAs)	als (200.7	ds (200.7	200.8 6 6				
SAMPLE ID	Field Point Name	Date	Time	# Containers	Type Containers	Water	Soil	Sludge	Other	ICE	HCL	HNO ₃	Other	BTEX & TPH	TPH as Diesel (8015) 4 Mafor O.	Total Petroleum Oil & Grease (1664 / 5520 E/B&F)	Total Petroleum Hydrocarbons (418.1)	EPA 502,2 / 601 / 8010 / 8021 (HVOCs)	MTBE / BTEX ONLY (EPA 602 / 8021)	EPA 505/ 608 / 8081 (CI Pesticides)	EPA 608 / 8082 PCB's ONLY; Aroclors / Congeners	EPA 507 / 8141 (NP Pesticides)	EPA 515 / 8151 (Acidic CI Herbicides)	EPA \$24.2 / 624 / 8260 (VOCs) Full	EPA 525.2 / 625 / 8270 (SVOCs)	EPA 8270 SI	CAM 17 Metals (200,7 / 200,8 / 6010 / 6020)	LUFT 5 Metals (200,7 / 200,8 / 6010 / 6020)	Lead (200.7 / 200.8 6010 / 6020)				
SB-8 6'-65'		7/14/08		1			X			X				X	×				×					*					*				
SB-8 6'-65' SB-8 9-5-10'		-		1		1	X			X				X	X				X										×		\square	_	
SB-9 3'-35')			X			X				X	×				×										×				
SB-9 95'-10'				1			X		- 1	X				×	X				X										×				
SB-10 3'-35'				1			1			X				×	×				×										X			199	
SB-10 9.5'-10'				1			X	-		X				×	×				8										8				
SB-11 55'-6'				1			Y			X					×									×					×				
SB-11 95-10				1			X			X					×									×					×				
SB-12 5'-55'				1			+	+		又					X									X					X				
SB-12 9.5:10'		V		1			L		-	X					X									X					X	1			
Relinquished By: Relinquished By:	0 0	Date:	Time:	Rece	eived E		V	3	7			>		GC HI DE AF	E/t°_ DOD EAD ECH PPRO	CO SPA LOR DPR	CE A	TED E CO	IN I	AB	RS_							CO	ММЕ	ENTS	S:		
Relinquished By:	V	Date:	Time:	Kec	eived I	Ву:									RESE			v	OAS	0	&G	MI		LS	от	HER							

M M	cCAMPI	BELL	ANAL	YT	ICA	L,	IN	C.							and a trace			C	H	AII	N (OF	C			OL	Y	R	EC	CO	RD		-
		1534 WIL PITTSBUR											1	T	UR	N A	AR	OU	ND	TI	MI	E				C				77	Ļ	1	A
	bsite: www.mc	campbell.	com Em	ail: m	ain@								1	_					DE	. *	5	DD	117	RUS	H	24	HR		48 H		72 F On (I		5 DAY
Tele	ephone: (877	252-926	2		Fax:	(925) 25	2-92	69				-	G	eo I	ra	ске	rE	DF														required
Daniel Tarable	Uncl Cin	abo la	D	II To					_		_	_	+	- 0	2				Δ	_	ysis				mpi	e 15	em	uen	tan	_	ther	_	Comments
Report To: MICA Company: ALCA			Di	11 10				_					+		2				-	1141		-	ues							Ť		+	Comments
570 Hours	100 CT	#201	0										1	MTBE	9 2	&F)			+4		ener											1	Filter
530 HOWI	ANCICO.	CA 90	NO E	Mail	Mi	CHA	150	@ A	LIV	UES	11.	COL	M	MI	+	E/B			2000		Comg						6	-					Samples for Metals
Tele: (4/5) 39	1-25/0	C , ,,	F	ax: (415	13	91	-21	20	8			4	8015)	_	552(-	9	E (1		ls.		8			_	602	6020					analysis:
Project #: 2.80	74,23		P	ax: (Nan	ne: /	MA	NDE	u	7 5	SUL	8		+	0.1	199	418.	000	/ 802	· S	rock		icide	- 5		NAS	010	/010					Yes / No
Project Location:	DAKLA	ND		1										8021	Motor	De (1	ous (E	, 602	ticid	Y; A	des)	lerb	(8)	(\$)	ls / P	8/6	9/8	020				
Sampler Signatur	e: K	-2	21										_	7 705	E +	Grea	carb	802	(EPA	Pes	ONE	sticie	0.0	00	(SVC	PAH	/ 200	200	10/6				
		SAMP	LING		LS.	N	1AT	RIX				RVE) ser	9	Total Petroleum Oil & Grease (1664 / 5520 E/B&F)	Total Petroleum Hydrocarbons (418.1)	EPA 502.2 / 601 / 8010 / 8021 (HVOCs)	MTBE / BTEX ONLY (EPA 602 / 8021)	EPA 505/ 608 / 8081 (Cl Pesticides)	EPA 608 / 8082 PCB's ONLY; Araclors / Congeners	EPA 507 / 8141 (NP Pesticides)	EPA 515 / 8151 (Acidic Cl Herbicides)	EPA 524.2 / 624 / 8260 (VOCs) Full	EPA 525.2 / 625 / 8270 (SVOCs)	EPA 8270 SIM / 8310 (PAHs / PNAs)	CAM 17 Metals (200.7 / 200.8 / 6010 / 6020)	LUFT 5 Metals (200.7 / 200.8 / 6010 / 6020)	Lead (200,7 / 200,8 (6010 / 6020)				
000000000000000000000000000000000000000	LOCATION/			ers	aine	\vdash		Т			LOE		-	38 ((801	0	H	8/10	X O.X	/ 808	12 PC	41 (5)	S1 (A	24 / 8	25 / 8	M/8	als (2	ls (2)	2007				
SAMPLE ID	Field Point			Containers	Type Containers									TPF	TPH as Diesel (8015)	roles	roles	2/6	BTE	809	/ 808	180	8	2/6	2 / 6	10.01	Met	Meta	0.77			-	
	Name	Date	Time	ont	oe C	Water		dge	ner		-	O	her	BTEX &	as [l Pet	l Pet	502	BE/	505	809	507	515	524	525	82	M 17	1.5	d (20			-	
				# C	Typ	Wa	Soil	Sludge	Other	ICE	HCL	HNO,	Other	BTE	TPH	Tota	Tota	EPA	EW.	EPA	EPA	EPA	EP.	EPA	EPA	EP.A	CA	3	2			-	
SB-13 5'-55'		7/14/08		1		1	7	+		乂			7		×									X					×			┪	
SB-1395-10'		11		1			1			X			\neg		X									×					X				
3B13 1390						1							\dashv		71																	1	
SB-14 5-55		7/14/08		1			1			X					X									×					X				
SB-14 9-5-10'		11					X			X					X									X					X				
36.1 13.10				1					1																								
		-					+																						-				
				-	-		-	+											-										+				
				-			+	+	-	\vdash								-		-	-		-					-	+	\vdash		-	
							-	+	-	-								-		-	-		-		-	-		-	-	\vdash	+	-	
					_	\sqcup	_	_		-			\blacksquare								-		-						-	\vdash	\vdash	-	
																							_				_		+	_	\vdash		
Rollinguished By:	1.8	Date:	Time:	Ree	eixed I	By:					,				E/t°	CO	MDF	rio:	.1									CO	MM	ENTS	i:		
allehalen	mil	117080	DE	-	>	_	-	1	-	_	_				DOD				ENT														
Relinquished By:	1.	Date:	Time:	Reg	(ived		/	/_	21										INI			-											
		8 10 C	920		K	P	V			7					RESE					THE			_										
Relinquished By:	\//	Date:	Time:	Reci	eived l	By:												v	OAS	0	&G	M	ETA	LS	от	HER							
	V	/												PF	RESE	RV	ATIC		JAG	,			<2										

McCampbell Analytical, Inc.

Aug 1534 Willow Pass Rd

CHAIN-OF-CUSTODY RECORD

Page 1 of 1

Pittsbur	rg, CA 94565-1701 52-9262					Work(ientC	ode: A	WE				
			WriteOn	✓ EDF		Excel		Fax	✓	Email		Hard	Сору	Thir	dParty	☐ J-1	flag
Report to:						1	Bill to:						Req	uested	TAT:	5 c	days
530 Howard	vironmental, Inc d Street, Ste. 300 sco, CA 94105	cc: PO:	michael@allw #28074.23; M	rest1.com andela Sub, Oakl	and		All 530 Sai	0 Howa n Franc	orio invironme rd Street, cisco, CA allwest1.c	Ste.30 94105	00			e Recei e Print		07/15/2 07/17/2	
									Reque	sted T	ests (See leg	end b	elow)			
Lab ID	Client ID		Matrix	Collection Date	Hold	1	2	3	4	5	6	7	8	9	10	11	12
0807354-001	SB-5 6'-6.5'		Soil	7/14/2008				Α		Α	Α			Α			
0807354-002	SB-5 9.5'-10'		Soil	7/14/2008				Α		Α	Α						
0807354-003	SB-6 5.5'-6'		Soil	7/14/2008				Α		Α	Α						
0807354-004	SB-6 9.5'-10'		Soil	7/14/2008				Α		Α	Α						

08073	354-014
	Leaend:

0807354-005

0807354-006

0807354-007

0807354-008

0807354-009

0807354-010

0807354-011

0807354-012

0807354-013

1	8260B_S
6	PB_S
11	

2	8260B_W
7	PBMS_DISS
12	

SB-7 6'-6.5'

SB-7 10'-10.5'

SB-7 14.5'-15'

SB-7 15.5'-16'

SB-7 19.5'-20'

W-SB-7

SB-8 6'-6.5'

SB-8 9.5'-10'

SB-9 3'-3.5'

SB-9 9.5'-10'

3	G-MBTEX_S
8	PRDISSOLVED

4	G-MBTEX_W
9	PREDF REPORT

Α

Α

Α

Α

Α

Α

Α

Α

Α

Α

Α

Α

Α

Α

Α

С

С

Α

Α

Α

Α

Α

Α

Α

В

5	MBTEX-8260B_S
10	

Prepared by: Ana Venegas

The following SampIDs: 001A, 002A, 003A, 004A, 005A, 006A, 007A, 008A, 009A, 010A, 011A, 012A, 013A, 014A, 015A, 016A, 017A, 018A, 019A, 020A, 021A, 022A, 023A, 024A contain testgroup.

Soil

Soil

Soil

Soil

Soil

Water

Soil

Soil

Soil

Soil

7/14/2008

7/14/2008

7/14/2008

7/14/2008

7/14/2008

7/14/2008

7/14/2008

7/14/2008

7/14/2008

7/14/2008

Comments:

McCampbell Analytical, Inc.

1534 Willow Pass Rd Pittsburg, CA 94565-1701 (925) 252-9262

CHAIN-OF-CUSTODY RECORD

ClientCode: AWE

Page 1 of 1

Date Received: 07/15/2008

Prepared by: Ana Venegas

WriteOn ✓ EDF Excel Fax ✓ Email HardCopy ThirdParty J-flag

WorkOrder: 0807354

Bill to: Report to: Requested TAT: 5 days

Mike Siembieda Darlene Torio Email: michael@allwest1.com

All West Environmental, Inc. All West Environmental, Inc cc: PO: 530 Howard Street, Ste. 300 530 Howard Street, Ste.300

Date Printed: San Francisco, CA 94105 ProjectNo: #28074.23; Mandela Sub, Oakland San Francisco, CA 94105 07/17/2008

(415) 391-2510 FAX (415) 391-2008 darlene@allwest1.com

					Requested Tests (See legend below)											
Lab ID	Client ID	Matrix	Collection Date	Hold	1	2	3	4	5	6	7	8	9	10	11	12
0807354-015	SB-10 3'-3.5'	Soil	7/14/2008				Α		Α	А						
0807354-016	SB-10 9.5'-10'	Soil	7/14/2008				Α		Α	Α						
0807354-017	SB-11 5.5'-6'	Soil	7/14/2008		Α		Α			Α						
0807354-018	SB-11 9.5'-10'	Soil	7/14/2008		Α		Α			Α						
0807354-019	SB-12 5'-5.5'	Soil	7/14/2008		Α		Α			Α						
0807354-020	SB-12 9.5'-10'	Soil	7/14/2008		Α		Α			Α						
0807354-021	SB-13 5'-5.5'	Soil	7/14/2008		Α		Α			Α						
0807354-022	SB-13 9.5'-10'	Soil	7/14/2008		Α		Α			Α						
0807354-023	SB-14 5'-5.5	Soil	7/14/2008		Α		Α			Α						
0807354-024	SB-14 9.5'-10'	Soil	7/14/2008		Α		Α			Α						

Test Legend:

1 8260B_S	2 8260B_W	3 G-MBTEX_S	4 G-MBTEX_W	5 MBTEX-8260B_S
6 PB_S	7 PBMS_DISS	8 PRDISSOLVED	9 PREDF REPORT	10
11	12			

The following SampIDs: 001A, 002A, 003A, 004A, 005A, 006A, 007A, 008A, 009A, 010A, 011A, 012A, 013A, 014A, 015A, 016A, 017A, 018A, 019A, 020A, 021A, 022A, 023A, 024A contain testgroup.

Comments:

All West Environmental, Inc

Client Name:

1534 Willow Pass Road, Pittsburg, CA 94565-1701 Web: www.mccampbell.com E-mail: main@mccampbell.com Telephone: 877-252-9262 Fax: 925-252-9269

Date and Time Received:

7/15/08 4:45:43 PM

Sample Receipt Checklist

Project Name:	#28074.23; Mande	ela Sub	o, Oakland			Checkl	list completed and reviewed by:	Ana Venegas
WorkOrder N°:	0807354	Matrix	Soil/Water			Carrier	Rob Pringle (MAI Courier)	
			<u>Chain</u>	of Cu	stody (C	COC) Informati	<u>tion</u>	
Chain of custody	present?			Yes	V	No 🗆		
Chain of custody	signed when relinquis	shed and	d received?	Yes	V	No 🗆		
Chain of custody	agrees with sample la	abels?		Yes	✓	No 🗌		
Sample IDs noted	by Client on COC?			Yes	V	No \square		
Date and Time of	collection noted by Cli	ent on C	OC?	Yes	✓	No \square		
Sampler's name n	noted on COC?			Yes	~	No \square		
			S	ample	Receipt	Information		
Custody seals int	act on shipping contai	iner/cool		Yes		No 🗆	NA 🗹	
Shipping containe	er/cooler in good cond	ition?		Yes	V	No 🗆		
Samples in prope	er containers/bottles?			Yes	~	No 🗆		
Sample container	rs intact?			Yes	✓	No 🗆		
Sufficient sample	volume for indicated	test?		Yes	V	No 🗌		
		<u>Sa</u>	ımple Presei	rvatio	n and Ho	old Time (HT)	Information	
All samples receiv	ved within holding time		-	Yes	✓	No 🗆		
Container/Temp E	Blank temperature			Coole	er Temp:	4.8°C	NA 🗆	
Water - VOA vial	s have zero headspac	ce / no b	oubbles?	Yes	~	No 🗆	No VOA vials submitted \Box	
Sample labels ch	ecked for correct pres	servatior	n?	Yes	~	No 🗌		
TTLC Metal - pH	acceptable upon recei	pt (pH<2	2)?	Yes		No 🗆	NA 🗹	
* NOTE: If the "N	lo" box is checked, se	ee comm	nents below.					
=====		===	====		:		=======	======
Client contacted:			Date contact	ted:			Contacted by:	
Comments:								

1534 Willow Pass Road, Pittsburg, CA 94565-1701 Telephone: 877-252-9262 Fax: 925-252-9269

All West Environmental, Inc	Client Project ID: #28074.23; Mandela	Date Sampled: 07/14/08
530 Howard Street, Ste. 300	Sub, Oakland	Date Received: 07/15/08
	Client Contact: Mike Siembieda	Date Extracted: 07/19/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed 07/19/08

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

Analytical Method: SW8260B Extraction Method: SW5030B Work Order: 0807354

Extraction Method: SW5030B		Analyti	ical Metho	d: SW8260B	Work Order: 0807	354					
Lab ID		0807354-010B									
Client ID		W-SB-7									
Matrix	Water										
Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit				
Acetone	ND	1.0	10	tert-Amyl methyl ether (TAME)	ND	1.0	0.5				
Benzene	ND	1.0	0.5	Bromobenzene	ND	1.0	0.5				
Bromochloromethane	ND	1.0	0.5	Bromodichloromethane	ND	1.0	0.5				
Bromoform	ND	1.0	0.5	Bromomethane	ND	1.0	0.5				
2-Butanone (MEK)	ND	1.0	2.0	t-Butyl alcohol (TBA)	ND	1.0	2.0				
n-Butyl benzene	ND	1.0	0.5	sec-Butyl benzene	2.4	1.0	0.5				
tert-Butyl benzene	ND	1.0	0.5	Carbon Disulfide	ND	1.0	0.5				
Carbon Tetrachloride	ND	1.0	0.5	Chlorobenzene	ND	1.0	0.5				
Chloroethane	ND	1.0	0.5	Chloroform	ND	1.0	0.5				
Chloromethane	ND	1.0	0.5	2-Chlorotoluene	ND	1.0	0.5				
4-Chlorotoluene	ND	1.0	0.5	Dibromochloromethane	ND	1.0	0.5				
1,2-Dibromo-3-chloropropane	ND	1.0	0.2	1,2-Dibromoethane (EDB)	ND	1.0	0.5				
Dibromomethane	ND	1.0	0.5	1.2-Dichlorobenzene	ND	1.0	0.5				
1.3-Dichlorobenzene	ND	1.0	0.5	1.4-Dichlorobenzene	ND	1.0	0.5				
Dichlorodifluoromethane	ND	1.0	0.5	1,1-Dichloroethane	ND	1.0	0.5				
1,2-Dichloroethane (1,2-DCA)	ND	1.0	0.5	1,1-Dichloroethene	ND	1.0	0.5				
cis-1.2-Dichloroethene	ND	1.0	0.5	trans-1,2-Dichloroethene	ND	1.0	0.5				
1.2-Dichloropropane	ND	1.0	0.5	1,3-Dichloropropane	ND	1.0	0.5				
2,2-Dichloropropane	ND	1.0	0.5	1,1-Dichloropropene	ND	1.0	0.5				
cis-1,3-Dichloropropene	ND	1.0	0.5	trans-1,3-Dichloropropene	ND	1.0	0.5				
Diisopropyl ether (DIPE)	ND	1.0	0.5	Ethylbenzene	ND	1.0	0.5				
Ethyl tert-butyl ether (ETBE)	ND	1.0	0.5	Freon 113	ND ND	1.0	10				
Hexachlorobutadiene	ND	1.0	0.5	Hexachloroethane	ND	1.0	0.5				
2-Hexanone	ND	1.0	0.5	Isopropylbenzene	ND ND	1.0	0.5				
4-Isopropyl toluene	ND	1.0	0.5	Methyl-t-butyl ether (MTBE)	ND ND	1.0	0.5				
Methylene chloride	ND ND	1.0	0.5	4-Methyl-2-pentanone (MIBK)	ND ND	1.0	0.5				
Naphthalene	3.1	1.0	0.5	n-Propyl benzene	ND ND	1.0	0.5				
Styrene	ND ND	1.0	0.5	1,1,1,2-Tetrachloroethane	ND ND	1.0	0.5				
1,1,2,2-Tetrachloroethane	ND ND	1.0	0.5	Tetrachloroethene	ND ND	1.0	0.5				
Toluene	ND ND	1.0	0.5	1,2,3-Trichlorobenzene	ND ND	1.0	0.5				
1,2,4-Trichlorobenzene	ND	1.0	0.5	1,1,1-Trichloroethane	ND	1.0	0.5				
1.1.2-Trichloroethane	ND ND	1.0	0.5	Trichloroethene	ND ND	1.0	0.5				
Trichlorofluoromethane	ND ND	1.0	0.5	1,2,3-Trichloropropane	ND ND	1.0	0.5				
1,2,4-Trimethylbenzene	ND	1.0	0.5	1.3.5-Trimethylbenzene	ND ND	1.0	0.5				
Vinyl Chloride	ND ND	1.0	0.5	Xylenes	ND ND	1.0	0.5				
THIT CHOIGE	HD	110		coveries (%)	ND	1.0	. 0.5				
0/ 001	1.0		gate Ne	i '	0.4	2					
%SS1: %SS3:	10			%SS2:	99	9					
%SS3: Comments: b1)		l							

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

b1) aqueous sample that contains greater than ~1 vol. % sediment



^{*} water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in $\mu g/\text{wipe}$.

1534 Willow Pass Road, Pittsburg, CA 94565-1701 Telephone: 877-252-9262 Fax: 925-252-9269

All West Environmental, Inc	Client Project ID: #28074.23; Mandela	Date Sampled: 07/14/08
530 Howard Street, Ste. 300	Sub, Oakland	Date Received: 07/15/08
330 Howard Street, Ste. 300	Client Contact: Mike Siembieda	Date Extracted: 07/15/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed 07/18/08

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

Analytical Method: SW8260B Extraction Method: SW5030B Work Order: 0807354

Acetone	Extraction Method: SW5030B	Analytical Method: SW8260B Work Order: 0807354						
Matrix Soil	Lab ID				0807354-017A			
Compound Concentration DF Limits Compound Concentration DF Co	Client ID				SB-11 5.5'-6'			
Compound Concentration * DF	Matrix				Soil			
Benzene	Compound	Concentration *	DF		Compound	Concentration *	DF	Reporting Limit
Bromochloromethane	Acetone	ND	1.0	0.05	tert-Amyl methyl ether (TAME)	ND	1.0	0.005
Bromoform	Benzene	ND	1.0	0.005	Bromobenzene	ND	1.0	0.005
2-Butanone (MEK)	Bromochloromethane	ND	1.0	0.005	Bromodichloromethane	ND	1.0	0.005
n-Butvl benzene	Bromoform	ND	1.0	0.005	Bromomethane	ND	1.0	0.005
Lett-Butvl benzene	2-Butanone (MEK)	ND	1.0	0.02	t-Butyl alcohol (TBA)	ND	1.0	0.05
Carbon Tetrachloride	n-Butyl benzene	ND	1.0	0.005	sec-Butyl benzene	ND	1.0	0.005
Chloroethane	tert-Butyl benzene	ND	1.0	0.005	Carbon Disulfide	ND	1.0	0.005
Chloromethane	Carbon Tetrachloride	ND	1.0	0.005	Chlorobenzene	ND	1.0	0.005
A-Chlorotoluene	Chloroethane	ND	1.0	0.005	Chloroform	ND	1.0	0.005
1,2-Dibromo-3-chloropropane	Chloromethane	ND	1.0	0.005	2-Chlorotoluene	ND	1.0	0.005
Dibromomethane	4-Chlorotoluene	ND	1.0	0.005	Dibromochloromethane	ND	1.0	0.005
1,3-Dichlorobenzene	1,2-Dibromo-3-chloropropane	ND	1.0	0.004	1,2-Dibromoethane (EDB)	ND	1.0	0.004
Dichlorodifluoromethane ND 1.0 0.005 1,1-Dichloroethane ND 1.0 0.005 1,2-Dichloroethane (1,2-DCA) ND 1.0 0.004 1,1-Dichloroethene ND 1.0 0.005 1,2-Dichloroethene ND 1.0 0.005 trans-1,2-Dichloroethene ND 1.0 0.005 1,2-Dichloropthane ND 1.0 0.005 trans-1,2-Dichloropthane ND 1.0 0.005 1,2-Dichloropropane ND 1.0 0.005 trans-1,3-Dichloropropane ND 1.0 0.005 2,2-Dichloropropane ND 1.0 0.005 trans-1,3-Dichloropropene ND 1.0 0.005 1,1-Dichloropropene ND 1.0 0.005 trans-1,3-Dichloropropene ND 1.0 0.005 Diisopropyl ether (DIPE) ND 1.0 0.005 trans-1,3-Dichloropropene ND 1.0 0.005 Diisopropyl ether (ETBE) ND 1.0 0.005 trans-1,3-Dichloropropene ND 1.0 0.005 Ethyl tert-butyl ether (ETBE) ND 1.0 0.005 trans-1,3-Dichloropropene ND 1.0 0.005 Diisopropyl tether (ETBE) ND 1.0 0.005 trans-1,3-Dichloropropene ND 1.0 0.005 2-Hexanone ND 1.0 0.005 Freon 113 ND 1.0 0.005 2-Hexanone ND 1.0 0.005 trans-1,3-Dichloropropene ND 1.0 0.005 4-Isopropyl toluene ND 1.0 0.005 trans-1,3-Dichloropropene ND 1.0 0.005 4-Isopropyl toluene ND 1.0 0.005 trans-1,3-Dichloropropene ND 1.0 0.005 Aphthalene ND 1.0 0.005 trans-1,3-Dichloropropene ND 1.0 0.005 ND 1.0 0.005 trans-1,3-Dichloropropene ND 1.0 0.005 Aphthalene ND 1.0 0.005 trans-1,3-Dichloropropene ND 1.0 0.005 ND 1.0 0.005 trans-1,3-Dichloropropene ND 1.0 0.005 ND 1.0 0.005 trans-1,3-Dichloropropene ND 1.0 0.005 1,1,2-Trichlorobenzene ND 1.0 0.005 trans-1,3-Dichloropropene ND 1.0 0.005 1,2,4-Trimethylbenzene ND 1.0 0.005 trans-1,3-Dichloropropene ND 1.0 0.005 1,2,4-Trimethylbenzene ND 1.0 0.005 trans-1,3-Dichloropropene ND 1.0 0.005 1,2,4-Trimethylbenzene ND 1.0 0.005 trans-1,3-Dichloro	Dibromomethane	ND	1.0	0.005	1,2-Dichlorobenzene	ND	1.0	0.005
1,2-Dichloroethane (1,2-DCA)		ND	1.0	0.005	1,4-Dichlorobenzene	ND	1.0	0.005
cis-1,2-Dichloroethene ND 1.0 0.005 trans-1,2-Dichloroethene ND 1.0 0.005 1,2-Dichloropropane ND 1.0 0.005 1,3-Dichloropropane ND 1.0 0.005 2,2-Dichloropropane ND 1.0 0.005 1,1-Dichloropropene ND 1.0 0.005 cis-1,3-Dichloropropene ND 1.0 0.005 Ethylbenzene ND 1.0 0.005 Diisopropyl ether (DIPE) ND 1.0 0.005 Ethylbenzene ND 1.0 0.005 Ethyl tert-butyl ether (ETBE) ND 1.0 0.005 Freon 113 ND 1.0 0.005 Ethyl tert-butyl ether (ETBE) ND 1.0 0.005 Hexachloroethane ND 1.0 0.005 2-Hexanone ND 1.0 0.005 Hexachloroethane ND 1.0 0.005 4-Isopropyl toluene ND 1.0 0.005 Methyl-t-butyl ether (MTBE) ND 1.0 0.005 Methylene chloride	Dichlorodifluoromethane	ND	1.0	0.005	1,1-Dichloroethane	ND	1.0	0.005
cis-1,2-Dichloroethene ND 1.0 0.005 trans-1,2-Dichloroethene ND 1.0 0.005 1,2-Dichloropropane ND 1.0 0.005 1,3-Dichloropropane ND 1.0 0.005 2,2-Dichloropropane ND 1.0 0.005 1,1-Dichloropropene ND 1.0 0.005 cis-1,3-Dichloropropene ND 1.0 0.005 Ethylbenzene ND 1.0 0.005 Diisopropyl ether (DIPE) ND 1.0 0.005 Ethylbenzene ND 1.0 0.005 Ethyl tert-butyl ether (ETBE) ND 1.0 0.005 Freon 113 ND 1.0 0.005 Ethyl tert-butyl ether (ETBE) ND 1.0 0.005 Hexachloroethane ND 1.0 0.005 2-Hexanone ND 1.0 0.005 Hexachloroethane ND 1.0 0.005 4-Isopropyl toluene ND 1.0 0.005 Methyl-t-butyl ether (MTBE) ND 1.0 0.005 Methylene chloride	1,2-Dichloroethane (1,2-DCA)	ND	1.0	0.004	1,1-Dichloroethene	ND	1.0	0.005
ND		ND	1.0	0.005	trans-1,2-Dichloroethene	ND	1.0	0.005
cis-1,3-Dichloropropene ND 1.0 0.005 trans-1,3-Dichloropropene ND 1.0 0.005 Diisopropyl ether (DIPE) ND 1.0 0.005 Ethylbenzene ND 1.0 0.005 Ethyl tert-butyl ether (ETBE) ND 1.0 0.005 Freon 113 ND 1.0 0.1 Hexachlorobutadiene ND 1.0 0.005 Hexachloroethane ND 1.0 0.005 2-Hexanone ND 1.0 0.005 Isopropylbenzene ND 1.0 0.005 4-Isopropyl toluene ND 1.0 0.005 Methyl-t-butyl ether (MTBE) ND 1.0 0.005 Methylene chloride ND 1.0 0.005 Methyl-t-butyl ether (MTBE) ND 1.0 0.005 Naphthalene ND 1.0 0.005 Methyl-2-pentanone (MIBK) ND 1.0 0.005 Styrene ND 1.0 0.005 1,1,1,2-Tetrachloroethane ND 1.0 0.005 Toluene ND	1,2-Dichloropropane	ND	1.0	0.005	1,3-Dichloropropane	ND	1.0	0.005
Diisopropyl ether (DIPE)	2,2-Dichloropropane	ND	1.0	0.005		ND	1.0	0.005
Ethyl tert-butyl ether (ETBE)	cis-1,3-Dichloropropene	ND	1.0	0.005	trans-1,3-Dichloropropene	ND	1.0	0.005
Hexachlorobutadiene	Diisopropyl ether (DIPE)	ND	1.0	0.005	Ethylbenzene	ND	1.0	0.005
2-Hexanone	Ethyl tert-butyl ether (ETBE)	ND	1.0	0.005	Freon 113	ND	1.0	0.1
4-Isopropyl toluene ND 1.0 0.005 Methyl-t-butyl ether (MTBE) ND 1.0 0.005 Methylene chloride ND 1.0 0.005 4-Methyl-2-pentanone (MIBK) ND 1.0 0.005 Naphthalene ND 1.0 0.005 n-Propyl benzene ND 1.0 0.005 Styrene ND 1.0 0.005 1,1,2-Tetrachloroethane ND 1.0 0.005 1,1,2,2-Tetrachloroethane ND 1.0 0.005 Tetrachloroethane ND 1.0 0.005 Toluene ND 1.0 0.005 1,2,3-Trichlorobenzene ND 1.0 0.005 1,2,4-Trichloroethane ND 1.0 0.005 1,1,1-Trichloroethane ND 1.0 0.005 1,1,2-Trichloroethane ND 1.0 0.005 Trichloroethane ND 1.0 0.005 Trichlorofluoromethane ND 1.0 0.005 1,2,3-Trichloropropane ND 1.0 0.005 Vinyl Chloride ND<	Hexachlorobutadiene	ND	1.0	0.005	Hexachloroethane	ND	1.0	0.005
Methylene chloride ND 1.0 0.005 4-Methyl-2-pentanone (MIBK) ND 1.0 0.005 Naphthalene ND 1.0 0.005 n-Propyl benzene ND 1.0 0.005 Styrene ND 1.0 0.005 1,1,1,2-Tetrachloroethane ND 1.0 0.005 1,1,2,2-Tetrachloroethane ND 1.0 0.005 Tetrachloroethene 0.022 1.0 0.005 Toluene ND 1.0 0.005 1,2,3-Trichlorobenzene ND 1.0 0.005 1,2,4-Trichloroethane ND 1.0 0.005 1,1,1-Trichloroethane ND 1.0 0.005 1,1,2-Trichloroethane ND 1.0 0.005 Trichloroethene ND 1.0 0.005 Trichlorofluoromethane ND 1.0 0.005 1,2,3-Trichloropropane ND 1.0 0.005 1,2,4-Trimethylbenzene ND 1.0 0.005 1,3,5-Trimethylbenzene ND 1.0 0.005 Vinyl Chloride	2-Hexanone	ND	1.0	0.005	Isopropylbenzene	ND	1.0	0.005
Naphthalene ND 1.0 0.005 n-Propyl benzene ND 1.0 0.005 Styrene ND 1.0 0.005 1,1,2-Tetrachloroethane ND 1.0 0.005 1,1,2,2-Tetrachloroethane ND 1.0 0.005 Tetrachloroethane 0.022 1.0 0.005 Toluene ND 1.0 0.005 1,2,3-Trichlorobenzene ND 1.0 0.005 1,2,4-Trichloroethane ND 1.0 0.005 1,1,1-Trichloroethane ND 1.0 0.005 1,1,2-Trichloroethane ND 1.0 0.005 Trichloroethane ND 1.0 0.005 Trichlorofluoromethane ND 1.0 0.005 1,2,3-Trichloropropane ND 1.0 0.005 1,2,4-Trimethylbenzene ND 1.0 0.005 1,3,5-Trimethylbenzene ND 1.0 0.005 Vinyl Chloride ND 1.0 0.005 Xylenes ND 1.0 0.005 Surrogate Recoveries (%) <td>4-Isopropyl toluene</td> <td>ND</td> <td>1.0</td> <td>0.005</td> <td>Methyl-t-butyl ether (MTBE)</td> <td>ND</td> <td>1.0</td> <td>0.005</td>	4-Isopropyl toluene	ND	1.0	0.005	Methyl-t-butyl ether (MTBE)	ND	1.0	0.005
Styrene ND 1.0 0.005 1,1,2-Tetrachloroethane ND 1.0 0.005 1,1,2,2-Tetrachloroethane ND 1.0 0.005 Tetrachloroethane 0.022 1.0 0.005 Toluene ND 1.0 0.005 1,2,3-Trichlorobenzene ND 1.0 0.005 1,2,4-Trichlorobenzene ND 1.0 0.005 1,1,1-Trichloroethane ND 1.0 0.005 1,1,2-Trichloroethane ND 1.0 0.005 Trichloroethane ND 1.0 0.005 Trichlorofluoromethane ND 1.0 0.005 1,2,3-Trichloropropane ND 1.0 0.005 1,2,4-Trimethylbenzene ND 1.0 0.005 1,3,5-Trimethylbenzene ND 1.0 0.005 Vinyl Chloride ND 1.0 0.005 Xylenes ND 1.0 0.005 Surrogate Recoveries (%)	Methylene chloride	ND	1.0	0.005	4-Methyl-2-pentanone (MIBK)	ND	1.0	0.005
1,1,2,2-Tetrachloroethane	Naphthalene	ND	1.0	0.005	n-Propyl benzene	ND	1.0	0.005
Toluene ND 1.0 0.005 1,2,3-Trichlorobenzene ND 1.0 0.005 1,2,4-Trichlorobenzene ND 1.0 0.005 1,1,1-Trichloroethane ND 1.0 0.005 1,1,2-Trichloroethane ND 1.0 0.005 Trichloroethene ND 1.0 0.005 Trichlorofluoromethane ND 1.0 0.005 1,2,3-Trichloropropane ND 1.0 0.005 1,2,4-Trimethylbenzene ND 1.0 0.005 1,3,5-Trimethylbenzene ND 1.0 0.005 Vinyl Chloride ND 1.0 0.005 Xvlenes ND 1.0 0.005 Surrogate Recoveries (%) %SS1: 88 %SS2: 95	Styrene	ND	1.0	0.005	1,1,1,2-Tetrachloroethane	ND	1.0	0.005
1,2,4-Trichlorobenzene ND 1.0 0.005 1,1,1-Trichloroethane ND 1.0 0.005 1,1,2-Trichloroethane ND 1.0 0.005 Trichloroethene ND 1.0 0.005 Trichlorofluoromethane ND 1.0 0.005 1,2,3-Trichloropropane ND 1.0 0.005 1,2,4-Trimethylbenzene ND 1.0 0.005 1,3,5-Trimethylbenzene ND 1.0 0.005 Vinvl Chloride ND 1.0 0.005 Xvlenes ND 1.0 0.005 Surrogate Recoveries (%) %SS1: 88 %SS2: 95	1,1,2,2-Tetrachloroethane	ND	1.0	0.005	Tetrachloroethene	0.022	1.0	0.005
1,1,2-Trichloroethane ND 1.0 0.005 Trichloroethene ND 1.0 0.005 Trichlorofluoromethane ND 1.0 0.005 1,2,3-Trichloropropane ND 1.0 0.005 1,2,4-Trimethylbenzene ND 1.0 0.005 1,3,5-Trimethylbenzene ND 1.0 0.005 Vinvl Chloride ND 1.0 0.005 Xvlenes ND 1.0 0.005 Surrogate Recoveries (%) %SS1: 88 %SS2: 95	Toluene	ND	1.0	0.005	1,2,3-Trichlorobenzene	ND	1.0	0.005
Trichlorofluoromethane ND 1.0 0.005 1,2,3-Trichloropropane ND 1.0 0.005 1,2,4-Trimethylbenzene ND 1.0 0.005 1,3,5-Trimethylbenzene ND 1.0 0.005 Vinyl Chloride ND 1.0 0.005 Xylenes ND 1.0 0.005 Surrogate Recoveries (%) %SS1: 88 %SS2: 95	1,2,4-Trichlorobenzene	ND	1.0	0.005	1,1,1-Trichloroethane	ND	1.0	0.005
1,2,4-Trimethylbenzene ND 1.0 0.005 1,3,5-Trimethylbenzene ND 1.0 0.005 Vinvl Chloride ND 1.0 0.005 Xvlenes ND 1.0 0.005 Surrogate Recoveries (%) %SS1: 88 %SS2: 95	1,1,2-Trichloroethane	ND	1.0	0.005	Trichloroethene	ND	1.0	0.005
Vinvl Chloride ND 1.0 0.005 Xvlenes ND 1.0 0.005 Surrogate Recoveries (%) %SS1: 88 %SS2: 95	Trichlorofluoromethane	ND	1.0	0.005	1,2,3-Trichloropropane	ND	1.0	0.005
Surrogate Recoveries (%) %SS1: 88 %SS2: 95	1,2,4-Trimethylbenzene	ND	1.0	0.005	1,3,5-Trimethylbenzene	ND	1.0	0.005
%SS1: 88 %SS2: 95	Vinvl Chloride	ND	1.0	0.005	Xvlenes	ND	1.0	0.005
			Surre	ogate Re	ecoveries (%)			
	%SS1:	88	8		%SS2:	9	5	

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.



^{*} water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in $\mu g/\text{wipe}$.

1534 Willow Pass Road, Pittsburg, CA 94565-1701 Telephone: 877-252-9262 Fax: 925-252-9269

All West Environmental, Inc	Sub, Oakland	Date Sampled: 07/14/08
530 Howard Street, Ste. 300	Sub, Oakland	Date Received: 07/15/08
	Client Contact: Mike Siembieda	Date Extracted: 07/15/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed 07/18/08

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

Analytical Method: SW8260B Extraction Method: SW5030B Work Order: 0807354

Lab ID 0807354-018A Client ID SB-11 9.5'-10' Matrix Soil Combound Concentration * DF Reporting Limit Combound Concentration * DF Acetone ND 1.0 0.05 tert-Amyl methyl ether (TAME) ND 1.0 Benzene ND 1.0 0.005 Bromobenzene ND 1.0 Bromochloromethane ND 1.0 0.005 Bromodichloromethane ND 1.0 Bromoform ND 1.0 0.005 Bromomethane ND 1.0 2-Butanone (MEK) ND 1.0 0.02 t-Butyl alcohol (TBA) ND 1.0	0 0.003 0 0.003 0 0.003 0 0.005 0 0.005 0 0.003 0 0.003
Matrix Soil Combound Concentration * DF Reporting Limit Combound Concentration * DF Acetone ND 1.0 0.05 tert-Amyl methyl ether (TAME) ND 1.0 Benzene ND 1.0 0.005 Bromobenzene ND 1.0 Bromochloromethane ND 1.0 0.005 Bromodichloromethane ND 1.0 Bromoform ND 1.0 0.005 Bromomethane ND 1.0 2-Butanone (MEK) ND 1.0 0.02 t-Butyl alcohol (TBA) ND 1.0	0.002 0.002 0.003 0.003 0.003 0.005 0.003 0.003
Combound Concentration * DF Reporting Limit Combound Concentration * DF Acetone ND 1.0 0.05 tert-Amyl methyl ether (TAME) ND 1.0 Benzene ND 1.0 0.005 Bromobenzene ND 1.0 Bromochloromethane ND 1.0 0.005 Bromodichloromethane ND 1.0 Bromoform ND 1.0 0.005 Bromomethane ND 1.0 2-Butanone (MEK) ND 1.0 0.02 t-Butyl alcohol (TBA) ND 1.0	0.002 0.002 0.003 0.003 0.003 0.005 0.003 0.003
Compound Concentration* DF Limit Compound Concentration* DF Acetone ND 1.0 0.05 tert-Amyl methyl ether (TAME) ND 1.0 Benzene ND 1.0 0.005 Bromobenzene ND 1.0 Bromochloromethane ND 1.0 0.005 Bromodichloromethane ND 1.0 Bromoform ND 1.0 0.005 Bromomethane ND 1.0 2-Butanone (MEK) ND 1.0 0.02 t-Butyl alcohol (TBA) ND 1.0	0.002 0.002 0.003 0.003 0.003 0.005 0.003 0.003
Benzene ND 1.0 0.005 Bromobenzene ND 1.0 Bromochloromethane ND 1.0 0.005 Bromodichloromethane ND 1.0 Bromoform ND 1.0 0.005 Bromomethane ND 1.0 2-Butanone (MEK) ND 1.0 0.02 t-Butyl alcohol (TBA) ND 1.0	0.003 0.003 0.003 0.003 0.003 0.003 0.003
Bromochloromethane ND 1.0 0.005 Bromodichloromethane ND 1.0 Bromoform ND 1.0 0.005 Bromomethane ND 1.0 2-Butanone (MEK) ND 1.0 0.02 t-Butyl alcohol (TBA) ND 1.0	0.003 0.003 0.005 0.003 0.003 0.003
Bromoform ND 1.0 0.005 Bromomethane ND 1.0 2-Butanone (MEK) ND 1.0 0.02 t-Butyl alcohol (TBA) ND 1.0	0.003 0.05 0.003 0.003 0.003
2-Butanone (MEK) ND 1.0 0.02 t-Butyl alcohol (TBA) ND 1.0	0.05 0.005 0.005 0.005
	0.005
	0.005
n-Butyl benzene ND 1.0 0.005 sec-Butyl benzene ND 1.0	0.005
tert-Butyl benzene ND 1.0 0.005 Carbon Disulfide ND 1.0	
Carbon Tetrachloride ND 1.0 0.005 Chlorobenzene ND 1.0	0.004
Chloroethane ND 1.0 0.005 Chloroform ND 1.0	0.00.
Chloromethane ND 1.0 0.005 2-Chlorotoluene ND 1.0	0.005
4-Chlorotoluene ND 1.0 0.005 Dibromochloromethane ND 1.0	0.005
1,2-Dibromo-3-chloropropane ND 1.0 0.004 1,2-Dibromoethane (EDB) ND 1.0	0.004
Dibromomethane ND 1.0 0.005 1,2-Dichlorobenzene ND 1.0	0.005
1,3-Dichlorobenzene ND 1.0 0.005 1,4-Dichlorobenzene ND 1.0	0.005
Dichlorodifluoromethane ND 1.0 0.005 1,1-Dichloroethane ND 1.0	0.005
1,2-Dichloroethane (1,2-DCA) ND 1.0 0.004 1,1-Dichloroethene ND 1.0	0.005
cis-1,2-Dichloroethene ND 1.0 0.005 trans-1,2-Dichloroethene ND 1.0	0.005
1,2-Dichloropropane ND 1.0 0.005 1,3-Dichloropropane ND 1.0	0.005
2,2-Dichloropropane ND 1.0 0.005 1,1-Dichloropropene ND 1.0	0.005
cis-1,3-Dichloropropene ND 1.0 0.005 trans-1,3-Dichloropropene ND 1.0	0.005
Diisopropyl ether (DIPE) ND 1.0 0.005 Ethylbenzene ND 1.0	0.005
Ethyl tert-butyl ether (ETBE) ND 1.0 0.005 Freon 113 ND 1.0	0.1
Hexachlorobutadiene ND 1.0 0.005 Hexachloroethane ND 1.0	0.005
2-Hexanone ND 1.0 0.005 Isopropylbenzene ND 1.0	0.005
4-Isopropyl toluene ND 1.0 0.005 Methyl-t-butyl ether (MTBE) ND 1.0	0.003
Methylene chloride ND 1.0 0.005 4-Methyl-2-pentanone (MIBK) ND 1.0	0.005
Naphthalene ND 1.0 0.005 n-Propyl benzene ND 1.0	0.005
Styrene ND 1.0 0.005 1,1,1,2-Tetrachloroethane ND 1.0	0.005
1,1,2,2-Tetrachloroethane ND 1.0 0.005 Tetrachloroethene ND 1.0	0.003
Toluene ND 1.0 0.005 1,2,3-Trichlorobenzene ND 1.0	0.005
1,2,4-Trichlorobenzene ND 1.0 0.005 1,1,1-Trichloroethane ND 1.0	0.005
1,1,2-Trichloroethane ND 1.0 0.005 Trichloroethene ND 1.0	0.005
Trichlorofluoromethane ND 1.0 0.005 1,2,3-Trichloropropane ND 1.0	0.005
1,2,4-Trimethylbenzene ND 1.0 0.005 1,3,5-Trimethylbenzene ND 1.0	0.005
Vinyl Chloride ND 1.0 0.005 Xylenes ND 1.0	0.003
Surrogate Recoveries (%)	
%SS1: 90 %SS2: 95	
%SS3: 93	

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.



^{*} water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

1534 Willow Pass Road, Pittsburg, CA 94565-1701 Telephone: 877-252-9262 Fax: 925-252-9269

All West Environmental, Inc	Client Project ID: #28074.23; Mandela Sub, Oakland Client Contact: Mike Siembieda Client P.O.:	Date Sampled: 07/14/08
530 Howard Street, Ste. 300	Sub, Oakland	Date Received: 07/15/08
330 Howard Succe, Sic. 300	Client Contact: Mike Siembieda	Date Extracted: 07/15/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed 07/18/08

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

Analytical Method: SW8260B Extraction Method: SW5030B Work Order: 0807354

Extraction Method: SW5030B		Analytical Method: SW8260B Work Order: 0807354					
Lab ID		0807354-019A					
Client ID				SB-12 5'-5.5'			
Matrix				Soil			
Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	0.05	tert-Amyl methyl ether (TAME)	ND	1.0	0.005
Benzene	ND	1.0	0.005	Bromobenzene	ND	1.0	0.005
Bromochloromethane	ND	1.0	0.005	Bromodichloromethane	ND	1.0	0.005
Bromoform	ND	1.0	0.005	Bromomethane	ND	1.0	0.005
2-Butanone (MEK)	ND	1.0	0.02	t-Butyl alcohol (TBA)	ND	1.0	0.05
n-Butyl benzene	ND	1.0	0.005	sec-Butyl benzene	ND	1.0	0.005
tert-Butyl benzene	ND	1.0	0.005	Carbon Disulfide	ND	1.0	0.005
Carbon Tetrachloride	ND	1.0	0.005	Chlorobenzene	ND	1.0	0.005
Chloroethane	ND	1.0	0.005	Chloroform	ND	1.0	0.005
Chloromethane	ND	1.0	0.005	2-Chlorotoluene	ND	1.0	0.005
4-Chlorotoluene	ND	1.0	0.005	Dibromochloromethane	ND	1.0	0.005
1,2-Dibromo-3-chloropropane	ND	1.0	0.004	1,2-Dibromoethane (EDB)	ND	1.0	0.004
Dibromomethane	ND	1.0	0.005	1,2-Dichlorobenzene	ND	1.0	0.005
1,3-Dichlorobenzene	ND	1.0	0.005	1,4-Dichlorobenzene	ND	1.0	0.005
Dichlorodifluoromethane	ND	1.0	0.005	1,1-Dichloroethane	ND	1.0	0.005
1,2-Dichloroethane (1,2-DCA)	ND	1.0	0.004	1,1-Dichloroethene	ND	1.0	0.005
cis-1,2-Dichloroethene	ND	1.0	0.005	trans-1,2-Dichloroethene	ND	1.0	0.005
1,2-Dichloropropane	ND	1.0	0.005	1,3-Dichloropropane	ND	1.0	0.005
2,2-Dichloropropane	ND	1.0	0.005	1,1-Dichloropropene	ND	1.0	0.005
cis-1,3-Dichloropropene	ND	1.0	0.005	trans-1,3-Dichloropropene	ND	1.0	0.005
Diisopropyl ether (DIPE)	ND	1.0	0.005	Ethylbenzene	ND	1.0	0.005
Ethyl tert-butyl ether (ETBE)	ND	1.0	0.005	Freon 113	ND	1.0	0.1
Hexachlorobutadiene	ND	1.0	0.005	Hexachloroethane	ND	1.0	0.005
2-Hexanone	ND	1.0	0.005	Isopropylbenzene	ND	1.0	0.005
4-Isopropyl toluene	ND	1.0	0.005	Methyl-t-butyl ether (MTBE)	ND	1.0	0.005
Methylene chloride	ND	1.0	0.005	4-Methyl-2-pentanone (MIBK)	ND	1.0	0.005
Naphthalene	ND	1.0	0.005	n-Propyl benzene	ND	1.0	0.005
Styrene	ND	1.0	0.005	1,1,1,2-Tetrachloroethane	ND	1.0	0.005
1,1,2,2-Tetrachloroethane	ND	1.0	0.005	Tetrachloroethene	ND	1.0	0.005
Toluene	ND	1.0	0.005	1,2,3-Trichlorobenzene	ND	1.0	0.005
1,2,4-Trichlorobenzene	ND	1.0	0.005	1,1,1-Trichloroethane	ND	1.0	0.005
1,1,2-Trichloroethane	ND	1.0	0.005	Trichloroethene	ND	1.0	0.005
Trichlorofluoromethane	ND	1.0	0.005	1,2,3-Trichloropropane	ND	1.0	0.005
1,2,4-Trimethylbenzene	ND	1.0	0.005	1,3,5-Trimethylbenzene	ND	1.0	0.005
Vinvl Chloride	ND	1.0	0.005	Xvlenes	ND	1.0	0.005
		Surr	ogate Re	coveries (%)			
%SS1:	9	0		%SS2:	9	5	
%SS3:	8						

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.



^{*} water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

1534 Willow Pass Road, Pittsburg, CA 94565-1701 Web: www.mccampbell.com E-mail: main@mccampbell.com Telephone: 877-252-9262 Fax: 925-252-9269

All West Environmental, Inc	Sub, Oakland Client Contact: Mike Siembieda	Date Sampled: 07/14/08
530 Howard Street Ste 300	Sub, Oakland	Date Received: 07/15/08
530 Howard Street, Ste. 300	Client Contact: Mike Siembieda	Date Extracted: 07/15/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed 07/18/08

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

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0807354

Extraction Method. BW 3030B		7 thury t	icai ivicino	u. 5110200B	Work Order: 000	133-1	
Lab ID				0807354-020A			
Client ID				SB-12 9.5'-10'			
Matrix				Soil			
Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reportin Limit
Acetone	ND	1.0	0.05	tert-Amyl methyl ether (TAME)	ND	1.0	0.005
Benzene	ND	1.0	0.005	Bromobenzene	ND	1.0	0.005
Bromochloromethane	ND	1.0	0.005	Bromodichloromethane	ND	1.0	0.005
Bromoform	ND	1.0	0.005	Bromomethane	ND	1.0	0.005
2-Butanone (MEK)	ND	1.0	0.02	t-Butyl alcohol (TBA)	ND	1.0	0.05
n-Butyl benzene	ND	1.0	0.005	sec-Butyl benzene	ND	1.0	0.005
tert-Butyl benzene	ND	1.0	0.005	Carbon Disulfide	ND	1.0	0.005
Carbon Tetrachloride	ND	1.0	0.005	Chlorobenzene	ND	1.0	0.005
Chloroethane	ND	1.0	0.005	Chloroform	ND	1.0	0.005
Chloromethane	ND	1.0	0.005	2-Chlorotoluene	ND	1.0	0.005
4-Chlorotoluene	ND	1.0	0.005	Dibromochloromethane	ND	1.0	0.005
1,2-Dibromo-3-chloropropane	ND	1.0	0.004	1,2-Dibromoethane (EDB)	ND	1.0	0.004
Dibromomethane	ND	1.0	0.005	1,2-Dichlorobenzene	ND	1.0	0.005
1,3-Dichlorobenzene	ND	1.0	0.005	1,4-Dichlorobenzene	ND	1.0	0.005
Dichlorodifluoromethane	ND	1.0	0.005	·	ND	1.0	0.005
1,2-Dichloroethane (1,2-DCA)	ND	1.0	0.004	1,1-Dichloroethene	ND	1.0	0.005
cis-1,2-Dichloroethene	ND	1.0	0.005	trans-1,2-Dichloroethene	ND	1.0	0.005
1,2-Dichloropropane	ND	1.0	0.005	1,3-Dichloropropane	ND	1.0	0.005
2,2-Dichloropropane	ND	1.0	0.005	1.1-Dichloropropene	ND	1.0	0.005
cis-1,3-Dichloropropene	ND	1.0	0.005	trans-1,3-Dichloropropene	ND	1.0	0.005
Diisopropyl ether (DIPE)	ND	1.0	0.005	Ethylbenzene	ND	1.0	0.005
Ethyl tert-butyl ether (ETBE)	ND	1.0	0.005	Freon 113	ND	1.0	0.1
Hexachlorobutadiene	ND	1.0	0.005	Hexachloroethane	ND	1.0	0.005
2-Hexanone	ND	1.0	0.005	Isopropylbenzene	ND	1.0	0.005
4-Isopropyl toluene	ND	1.0	0.005	Methyl-t-butyl ether (MTBE)	ND	1.0	0.005
Methylene chloride	ND	1.0	0.005	4-Methyl-2-pentanone (MIBK)	ND	1.0	0.005
Naphthalene	ND	1.0	0.005	n-Propyl benzene	ND	1.0	0.005
Styrene	ND	1.0	0.005	1,1,1,2-Tetrachloroethane	ND	1.0	0.005
1,1,2,2-Tetrachloroethane	ND	1.0	0.005	Tetrachloroethene	ND	1.0	0.005
Toluene	ND	1.0	0.005	1,2,3-Trichlorobenzene	ND	1.0	0.005
1,2,4-Trichlorobenzene	ND	1.0	0.005	1,1,1-Trichloroethane	ND	1.0	0.005
1,1,2-Trichloroethane	ND	1.0	0.005		ND	1.0	0.005
Trichlorofluoromethane	ND	1.0	0.005		ND	1.0	0.005
1,2,4-Trimethylbenzene	ND	1.0	0.005	1,3,5-Trimethylbenzene	ND	1.0	0.005
Vinyl Chloride	ND	1.0		Xvlenes	ND	1.0	0.005
		Surr	ogate Re	coveries (%)			
%SS1:	89			%SS2:	9	0	
%SS3:	83			/0002.	<u>, , , , , , , , , , , , , , , , , , , </u>	· ·	
		,					

Comments

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

^{*} water and vapor samples are reported in $\mu g/L$, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in $\mu g/wipe$.

1534 Willow Pass Road, Pittsburg, CA 94565-1701 Web: www.mccampbell.com E-mail: main@mccampbell.com Telephone: 877-252-9262 Fax: 925-252-9269

All West Environmental, Inc	Client Project ID: #28074.23; Mandela Sub, Oakland Client Contact: Mike Siembieda Client P.O.:	Date Sampled: 07/14/08
530 Howard Street, Ste. 300	Sub, Oakland	Date Received: 07/15/08
330 Howard Succe, Sic. 300	Client Contact: Mike Siembieda	Date Extracted: 07/15/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed 07/18/08

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

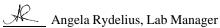
Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0807354

Extraction Method: SW5030B	Analytical Method: SW8260B Work Order: 0807354						
Lab ID		0807354-021A					
Client ID		SB-13 5'-5.5'					
Matrix				Soil			
Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	0.05	tert-Amyl methyl ether (TAME)	ND	1.0	0.005
Benzene	ND	1.0	0.005	Bromobenzene	ND	1.0	0.005
Bromochloromethane	ND	1.0	0.005	Bromodichloromethane	ND	1.0	0.005
Bromoform	ND	1.0	0.005	Bromomethane	ND	1.0	0.005
2-Butanone (MEK)	ND	1.0	0.02	t-Butyl alcohol (TBA)	ND	1.0	0.05
n-Butyl benzene	ND	1.0	0.005	sec-Butyl benzene	ND	1.0	0.005
tert-Butyl benzene	ND	1.0	0.005	Carbon Disulfide	ND	1.0	0.005
Carbon Tetrachloride	ND	1.0	0.005	Chlorobenzene	ND	1.0	0.005
Chloroethane	ND	1.0	0.005	Chloroform	ND	1.0	0.005
Chloromethane	ND	1.0	0.005	2-Chlorotoluene	ND	1.0	0.005
4-Chlorotoluene	ND	1.0	0.005	Dibromochloromethane	ND	1.0	0.005
1,2-Dibromo-3-chloropropane	ND	1.0	0.004	1,2-Dibromoethane (EDB)	ND	1.0	0.004
Dibromomethane	ND	1.0	0.005	1,2-Dichlorobenzene	ND	1.0	0.005
1,3-Dichlorobenzene	ND	1.0	0.005	1,4-Dichlorobenzene	ND	1.0	0.005
Dichlorodifluoromethane	ND	1.0	0.005	1,1-Dichloroethane	ND	1.0	0.005
1,2-Dichloroethane (1,2-DCA)	ND	1.0	0.004	1,1-Dichloroethene	ND	1.0	0.005
cis-1,2-Dichloroethene	ND	1.0	0.005	trans-1,2-Dichloroethene	ND	1.0	0.005
1,2-Dichloropropane	ND	1.0	0.005	1,3-Dichloropropane	ND	1.0	0.005
2,2-Dichloropropane	ND	1.0	0.005	1,1-Dichloropropene	ND	1.0	0.005
cis-1,3-Dichloropropene	ND	1.0	0.005	trans-1,3-Dichloropropene	ND	1.0	0.005
Diisopropyl ether (DIPE)	ND	1.0	0.005	Ethylbenzene	ND	1.0	0.005
Ethyl tert-butyl ether (ETBE)	ND	1.0	0.005	Freon 113	ND	1.0	0.1
Hexachlorobutadiene	ND	1.0	0.005	Hexachloroethane	ND	1.0	0.005
2-Hexanone	ND	1.0	0.005	Isopropylbenzene	ND	1.0	0.005
4-Isopropyl toluene	ND	1.0	0.005	Methyl-t-butyl ether (MTBE)	ND	1.0	0.005
Methylene chloride	ND	1.0	0.005	4-Methyl-2-pentanone (MIBK)	ND	1.0	0.005
Naphthalene	ND	1.0	0.005	n-Propyl benzene	ND	1.0	0.005
Styrene	ND	1.0	0.005	1,1,1,2-Tetrachloroethane	ND	1.0	0.005
1,1,2,2-Tetrachloroethane	ND	1.0	0.005	Tetrachloroethene	ND	1.0	0.005
Toluene	ND	1.0	0.005	1,2,3-Trichlorobenzene	ND	1.0	0.005
1,2,4-Trichlorobenzene	ND	1.0	0.005	1,1,1-Trichloroethane	ND	1.0	0.005
1,1,2-Trichloroethane	ND	1.0	0.005	Trichloroethene	ND	1.0	0.005
Trichlorofluoromethane	ND	1.0	0.005	1,2,3-Trichloropropane	ND	1.0	0.005
1,2,4-Trimethylbenzene	ND	1.0	0.005	1,3,5-Trimethylbenzene	ND	1.0	0.005
Vinvl Chloride	ND	1.0	0.005	Xvlenes	ND	1.0	0.005
		Surre	gate Re	coveries (%)			
%SS1:	8	8		%SS2:	91	1	
%SS3:	8	2			·		

Comments

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.



^{*} water and vapor samples are reported in $\mu g/L$, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in $\mu g/wipe$.

1534 Willow Pass Road, Pittsburg, CA 94565-1701 Telephone: 877-252-9262 Fax: 925-252-9269

All West Environmental, Inc	Client Project ID: #28074.23; Mandela Sub, Oakland Client Contact: Mike Siembieda	Date Sampled: 07/14/08
530 Howard Street Ste 300	Sub, Oakland	Date Received: 07/15/08
530 Howard Street, Ste. 300	Client Contact: Mike Siembieda	Date Extracted: 07/15/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed 07/18/08

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

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0807354

Extraction Method: Sw 5050B Analytical Method: Sw 8260B Work Order: 0807354							
Lab ID		0807354-022A					
Client ID				SB-13 9.5'-10'			
Matrix				Soil			
Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	0.05	tert-Amyl methyl ether (TAME)	ND	1.0	0.005
Benzene	ND	1.0	0.005	Bromobenzene	ND	1.0	0.005
Bromochloromethane	ND	1.0	0.005	Bromodichloromethane	ND	1.0	0.005
Bromoform	ND	1.0	0.005	Bromomethane	ND	1.0	0.005
2-Butanone (MEK)	ND	1.0	0.02	t-Butyl alcohol (TBA)	ND	1.0	0.05
n-Butyl benzene	ND	1.0	0.005	sec-Butyl benzene	ND	1.0	0.005
tert-Butyl benzene	ND	1.0	0.005	Carbon Disulfide	ND	1.0	0.005
Carbon Tetrachloride	ND	1.0	0.005	Chlorobenzene	ND	1.0	0.005
Chloroethane	ND	1.0	0.005	Chloroform	ND	1.0	0.005
Chloromethane	ND	1.0	0.005	2-Chlorotoluene	ND	1.0	0.005
4-Chlorotoluene	ND	1.0	0.005	Dibromochloromethane	ND	1.0	0.005
1,2-Dibromo-3-chloropropane	ND	1.0	0.004	1,2-Dibromoethane (EDB)	ND	1.0	0.004
Dibromomethane	ND	1.0	0.005	1,2-Dichlorobenzene	ND	1.0	0.005
1,3-Dichlorobenzene	ND	1.0	0.005	1,4-Dichlorobenzene	ND	1.0	0.005
Dichlorodifluoromethane	ND	1.0	0.005	1,1-Dichloroethane	ND	1.0	0.005
1,2-Dichloroethane (1,2-DCA)	ND	1.0	0.004	1,1-Dichloroethene	ND	1.0	0.005
cis-1,2-Dichloroethene	ND	1.0	0.005	trans-1,2-Dichloroethene	ND	1.0	0.005
1,2-Dichloropropane	ND	1.0	0.005	1,3-Dichloropropane	ND	1.0	0.005
2,2-Dichloropropane	ND	1.0	0.005	1,1-Dichloropropene	ND	1.0	0.005
cis-1,3-Dichloropropene	ND	1.0	0.005	trans-1,3-Dichloropropene	ND	1.0	0.005
Diisopropyl ether (DIPE)	ND	1.0	0.005	Ethylbenzene	ND	1.0	0.005
Ethyl tert-butyl ether (ETBE)	ND	1.0	0.005		ND	1.0	0.1
Hexachlorobutadiene	ND	1.0	0.005	Hexachloroethane	ND	1.0	0.005
2-Hexanone	ND	1.0	0.005	Isopropylbenzene	ND	1.0	0.005
4-Isopropyl toluene	ND	1.0	0.005	Methyl-t-butyl ether (MTBE)	ND	1.0	0.005
Methylene chloride	ND	1.0	0.005	4-Methyl-2-pentanone (MIBK)	ND	1.0	0.005
Naphthalene	ND	1.0	0.005	n-Propyl benzene	ND	1.0	0.005
Styrene	ND	1.0	0.005	1,1,1,2-Tetrachloroethane	ND	1.0	0.005
1,1,2,2-Tetrachloroethane	ND	1.0	0.005	Tetrachloroethene	ND	1.0	0.005
Toluene	ND	1.0	0.005	1,2,3-Trichlorobenzene	ND	1.0	0.005
1,2,4-Trichlorobenzene	ND	1.0	0.005	1,1,1-Trichloroethane	ND	1.0	0.005
1,1,2-Trichloroethane	ND	1.0	0.005	Trichloroethene	ND	1.0	0.005
Trichlorofluoromethane	ND	1.0	0.005	1,2,3-Trichloropropane	ND	1.0	0.005
1,2,4-Trimethylbenzene	ND	1.0	0.005	1,3,5-Trimethylbenzene	ND	1.0	0.005
Vinvl Chloride	ND	1.0	0.005		ND	1.0	0.005
		Surro		coveries (%)			
%SS1:	Q	9	G	%SS2:	9	1	
%SS3:	8			/0002.	<u> </u>	1	
/UD05.	. 0	_		I.			

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.



^{*} water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

1534 Willow Pass Road, Pittsburg, CA 94565-1701 Telephone: 877-252-9262 Fax: 925-252-9269

All West Environmental, Inc	Client Project ID: #28074.23; Mandela	Date Sampled: 07/14/08
530 Howard Street, Ste. 300	Sub, Oakland	Date Received: 07/15/08
	Client Contact: Mike Siembieda	Date Extracted: 07/15/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed 07/18/08

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

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0807354

Extraction Method: 5 W 3030B	Attaction method. Sw 5550D work order. 6007554						
Lab ID		0807354-023A					
Client ID		SB-14 5'-5.5					
Matrix				Soil			
Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reportin Limit
Acetone	ND	1.0	0.05	tert-Amyl methyl ether (TAME)	ND	1.0	0.005
Benzene	ND	1.0	0.005	Bromobenzene	ND	1.0	0.005
Bromochloromethane	ND	1.0	0.005	Bromodichloromethane	ND	1.0	0.005
Bromoform	ND	1.0	0.005	Bromomethane	ND	1.0	0.005
2-Butanone (MEK)	ND	1.0	0.02	t-Butyl alcohol (TBA)	ND	1.0	0.05
n-Butyl benzene	ND	1.0	0.005	sec-Butyl benzene	ND	1.0	0.005
tert-Butyl benzene	ND	1.0	0.005	Carbon Disulfide	ND	1.0	0.005
Carbon Tetrachloride	ND	1.0	0.005	Chlorobenzene	ND	1.0	0.005
Chloroethane	ND	1.0	0.005	Chloroform	ND	1.0	0.005
Chloromethane	ND	1.0	0.005	2-Chlorotoluene	ND	1.0	0.005
4-Chlorotoluene	ND	1.0	0.005	Dibromochloromethane	ND	1.0	0.005
1,2-Dibromo-3-chloropropane	ND	1.0	0.004	1,2-Dibromoethane (EDB)	ND	1.0	0.004
Dibromomethane	ND	1.0	0.005	1,2-Dichlorobenzene	ND	1.0	0.005
1,3-Dichlorobenzene	ND	1.0	0.005	1,4-Dichlorobenzene	ND	1.0	0.005
Dichlorodifluoromethane	ND	1.0	0.005	·	ND	1.0	0.005
1,2-Dichloroethane (1,2-DCA)	ND	1.0	0.004	1,1-Dichloroethene	ND	1.0	0.005
cis-1,2-Dichloroethene	ND	1.0	0.005	trans-1,2-Dichloroethene	ND	1.0	0.005
1,2-Dichloropropane	ND	1.0	0.005	1,3-Dichloropropane	ND	1.0	0.005
2,2-Dichloropropane	ND	1.0	0.005	1.1-Dichloropropene	ND	1.0	0.005
cis-1,3-Dichloropropene	ND	1.0	0.005	trans-1,3-Dichloropropene	ND	1.0	0.005
Diisopropyl ether (DIPE)	ND	1.0	0.005	Ethylbenzene	ND	1.0	0.005
Ethyl tert-butyl ether (ETBE)	ND	1.0	0.005	Freon 113	ND	1.0	0.1
Hexachlorobutadiene	ND	1.0	0.005	Hexachloroethane	ND	1.0	0.005
2-Hexanone	ND	1.0	0.005	Isopropylbenzene	ND	1.0	0.005
4-Isopropyl toluene	ND	1.0	0.005	Methyl-t-butyl ether (MTBE)	ND	1.0	0.005
Methylene chloride	ND	1.0	0.005	4-Methyl-2-pentanone (MIBK)	ND	1.0	0.005
Naphthalene	ND	1.0	0.005	n-Propyl benzene	ND	1.0	0.005
Styrene	ND	1.0	0.005	1,1,1,2-Tetrachloroethane	ND	1.0	0.005
1,1,2,2-Tetrachloroethane	ND	1.0	0.005	Tetrachloroethene	ND	1.0	0.005
Toluene	ND	1.0	0.005	1,2,3-Trichlorobenzene	ND	1.0	0.005
1,2,4-Trichlorobenzene	ND	1.0	0.005	1,1,1-Trichloroethane	ND	1.0	0.005
1,1,2-Trichloroethane	ND	1.0	0.005		ND	1.0	0.005
Trichlorofluoromethane	ND	1.0	0.005		ND	1.0	0.005
1,2,4-Trimethylbenzene	ND	1.0	0.005	1,3,5-Trimethylbenzene	ND	1.0	0.005
Vinvl Chloride	ND	1.0	0.005	Xvlenes	ND	1.0	0.005
		Surr	ogate Re	coveries (%)			
%SS1:	88			%SS2:	9	0	
%SS3:	82			/0JU2.		·	
		_		î .			

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

^{*} water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in μg /wipe.

1534 Willow Pass Road, Pittsburg, CA 94565-1701 Telephone: 877-252-9262 Fax: 925-252-9269

All West Environmental, Inc	Client Project ID: #28074.23; Mandela	Date Sampled: 07/14/08
530 Howard Street, Ste. 300	Sub, Oakland	Date Received: 07/15/08
	Client Contact: Mike Siembieda	Date Extracted: 07/15/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed 07/18/08

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

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0807354

Extraction Method: SW5030B	Analytical Method: SW8260B Work Order: 0807354						
Lab ID		0807354-024A					
Client ID		SB-14 9.5'-10'					
Matrix				Soil			
Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	0.05	tert-Amyl methyl ether (TAME)	ND	1.0	0.005
Benzene	ND	1.0	0.005	Bromobenzene	ND	1.0	0.005
Bromochloromethane	ND	1.0	0.005	Bromodichloromethane	ND	1.0	0.005
Bromoform	ND	1.0	0.005	Bromomethane	ND	1.0	0.005
2-Butanone (MEK)	ND	1.0	0.02	t-Butyl alcohol (TBA)	ND	1.0	0.05
n-Butyl benzene	ND	1.0	0.005	sec-Butyl benzene	ND	1.0	0.005
tert-Butyl benzene	ND	1.0	0.005	Carbon Disulfide	ND	1.0	0.005
Carbon Tetrachloride	ND	1.0	0.005	Chlorobenzene	ND	1.0	0.005
Chloroethane	ND	1.0	0.005	Chloroform	ND	1.0	0.005
Chloromethane	ND	1.0	0.005	2-Chlorotoluene	ND	1.0	0.005
4-Chlorotoluene	ND	1.0	0.005	Dibromochloromethane	ND	1.0	0.005
1,2-Dibromo-3-chloropropane	ND	1.0	0.004	1,2-Dibromoethane (EDB)	ND	1.0	0.004
Dibromomethane	ND	1.0	0.005	1,2-Dichlorobenzene	ND	1.0	0.005
1,3-Dichlorobenzene	ND	1.0	0.005	1,4-Dichlorobenzene	ND	1.0	0.005
Dichlorodifluoromethane	ND	1.0	0.005	1,1-Dichloroethane	ND	1.0	0.005
1,2-Dichloroethane (1,2-DCA)	ND	1.0	0.004	1,1-Dichloroethene	ND	1.0	0.005
cis-1,2-Dichloroethene	ND	1.0	0.005	trans-1,2-Dichloroethene	ND	1.0	0.005
1,2-Dichloropropane	ND	1.0	0.005	1,3-Dichloropropane	ND	1.0	0.005
2,2-Dichloropropane	ND	1.0	0.005	1,1-Dichloropropene	ND	1.0	0.005
cis-1,3-Dichloropropene	ND	1.0	0.005	trans-1,3-Dichloropropene	ND	1.0	0.005
Diisopropyl ether (DIPE)	ND	1.0	0.005	Ethylbenzene	ND	1.0	0.005
Ethyl tert-butyl ether (ETBE)	ND	1.0	0.005	Freon 113	ND	1.0	0.1
Hexachlorobutadiene	ND	1.0	0.005	Hexachloroethane	ND	1.0	0.005
2-Hexanone	ND	1.0	0.005	Isopropylbenzene	ND	1.0	0.005
4-Isopropyl toluene	ND	1.0	0.005	Methyl-t-butyl ether (MTBE)	ND	1.0	0.005
Methylene chloride	ND	1.0	0.005	4-Methyl-2-pentanone (MIBK)	ND	1.0	0.005
Naphthalene	ND	1.0	0.005	n-Propyl benzene	ND	1.0	0.005
Styrene	ND	1.0	0.005	1,1,1,2-Tetrachloroethane	ND	1.0	0.005
1.1.2.2-Tetrachloroethane	ND	1.0	0.005	Tetrachloroethene	ND	1.0	0.005
Toluene	ND	1.0	0.005	1,2,3-Trichlorobenzene	ND	1.0	0.005
1,2,4-Trichlorobenzene	ND	1.0	0.005	1,1,1-Trichloroethane	ND	1.0	0.005
1,1,2-Trichloroethane	ND	1.0	0.005	• •	ND	1.0	0.005
Trichlorofluoromethane	ND	1.0	0.005	1,2,3-Trichloropropane	ND	1.0	0.005
1,2,4-Trimethylbenzene	ND	1.0	0.005	1,3,5-Trimethylbenzene	ND	1.0	0.005
Vinvl Chloride	ND	1.0		Xvlenes	ND	1.0	0.005
				ecoveries (%)			
%SS1:	89		<u></u>	%SS2:	9	1	
%SS3:	8			/0JUZ.			
/0003.	. 0	1		l .			

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.



^{*} water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

Extraction method SW5030B

011A

012A

013A

014A

015A

SB-8 6'-6.5'

SB-8 9.5'-10'

SB-9 3'-3.5'

SB-9 9.5'-10'

SB-10 3'-3.5'

S

S

S

S

S

ND

ND

ND

ND

ND

1534 Willow Pass Road, Pittsburg, CA 94565-1701 Web: www.mccampbell.com E-mail: main@mccampbell.com Telephone: 877-252-9262 Fax: 925-252-9269

Work Order: 0807354

All West Environmental, Inc

Client Project ID: #28074.23; Mandela
Sub, Oakland

Date Sampled: 07/14/08

Date Received: 07/15/08

Client Contact: Mike Siembieda

Date Extracted: 07/15/08-07/23/08

San Francisco, CA 94105

Client P.O.:

Date Analyzed 07/16/08-07/23/08

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

Analytical methods SW8021B/8015Cm

Lab ID Client ID Matrix TPH(g) MTBE Benzene Toluene Ethylbenzene Xylenes DF % SS 001A SB-5 6'-6.5' S ND ND ND ND ND ND 78 SB-5 9.5'-10' 002A S ND ND 1 76 ND ND ND ND 003A SB-6 5.5'-6' S ND ND 1 78 ND ND ND ND SB-6 9.5'-10' 004A S ND ND ND ND ND ND 1 95 SB-7 6'-6.5' S 005A ND ND ND ND ND ND 1 77 S 006A SB-7 10'-10.5' 220,d7 ND<1.0 ND<0.10 ND<0.10 ND<0.10 ND<0.10 20 75 ND 007A SB-7 14.5'-15' S ND ND ND ND ND 1 75 008A SB-7 15.5'-16' S 1.9,d7 ND ND ND ND ND 1 90 009A SB-7 19.5'-20' S ND ND ND ND ND ND 1 010A W-SB-7 W 270,d7,b6,b1 ND 103 ND ND ND ND

ND

ND

ND

ND

ND

ND

ND

ND

ND

ND

ND

ND

ND

ND

ND

ND

ND

ND

ND

ND

ND

ND

ND

ND

ND

1

1

1

1

1

74

77

90

83

86

024A	SB-14 9.5'-10'	S	ND	ND	ND	ND	ND	ND	1	86
	ing Limit for DF =1;	W	50	5.0	0.5	0.5	0.5	0.5	με	g/L
ND me	eans not detected at or	S	1.0	0.05	0.005	0.005	0.005	0.005	mg	/Kg

^{*} water and vapor samples and all TCLP & SPLP extracts are reported in μ g/L, soil/sludge/solid samples in mg/kg, wipe samples in μ g/wipe, product/oil/non-aqueous liquid samples in mg/L.

- b1) aqueous sample that contains greater than ~1 vol. % sediment
- b6) lighter than water immiscible sheen/product is present
- d7) strongly aged gasoline or diesel range compounds are significant in the TPH(g) chromatogram



[#] cluttered chromatogram; sample peak coelutes w/surrogate peak; low surrogate recovery due to matrix interference.

⁺The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation:

All West Environmental, Inc	Client Project ID: #28074.23; Mandela Sub, Oakland	Date Sampled: 07/14/08
530 Howard Street, Ste. 300	Sub, Oakiand	Date Received: 07/15/08
	Client Contact: Mike Siembieda	Date Extracted: 07/17/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed 07/18/08-07/23/08

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline*

Analytical methods SW8015Cm Extraction method SW5030B Work Order: 0807354 Lab ID Client ID Matrix TPH(g) DF % SS 017A SB-11 5.5'-6' ND 89 018A SB-11 9.5'-10' S 1 ND 84 019A S 1 90 SB-12 5'-5.5' ND 020A SB-12 9.5'-10' S ND 1 87 021A S 91 SB-13 5'-5.5' ND 1 022A SB-13 9.5'-10' S ND 1 89 023A SB-14 5'-5.5 S ND 1 90 86 024A SB-14 9.5'-10' S ND 1

Reporting Limit for D1 =1,	w	NA	NA
ND means not detected at or	S	1.0	ma/Ka
above the reporting limit	5	1.0	mg/Kg

^{*} water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.



[#] cluttered chromatogram; sample peak coelutes w/surrogate peak; low surrogate recovery due to matrix interference.

⁺The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation:

All West Environmental, Inc Client Project ID: #28074.23; Mandela Date Sampled: 07/14/08 Sub, Oakland Date Received: 07/15/08 530 Howard Street, Ste. 300 Date Extracted: 07/15/08 Client Contact: Mike Siembieda San Francisco, CA 94105 Client P.O.: Date Analyzed 07/18/08-07/19/08

MTBE and BTEX by GC/MS*

Extraction Method: SW5030B	Analytical Method: SW8260B					0807354	
Lab ID	0807354-001A	0807354-002A	0807354-003A	0807354-004A			
Client ID	SB-5 6'-6.5'	SB-5 9.5'-10'	SB-6 5.5'-6'	SB-6 9.5'-10'	Reporting DF		
Matrix	S	S	S	S	1		
DF	1	1	1	1	S	W	
Compound		Conce	entration		mg/kg	ug/L	
Benzene	ND	ND	ND	ND	0.005	NA	
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	0.004	NA	
1,2-Dichloroethane (1,2-DCA)	ND	ND	ND	ND	0.004	NA	
Ethylbenzene	ND	ND	ND	ND	0.005	NA	
Methyl-t-butyl ether (MTBE)	ND	ND	ND	ND	0.005	NA	
Toluene	ND	ND	ND	ND	0.005	NA	
Xylenes	ND	ND	ND	ND	0.005	NA	
	Surr	ogate Recoveries	s (%)				
%SS1:	88	89	87	93			
%SS2:	94	94	91	94			
%SS3:	99	92	92	91			
Comments					İ		

^{*} water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.



All West Environmental, Inc Client Project ID: #28074.23; Mandela Date Sampled: 07/14/08 Sub, Oakland Date Received: 07/15/08 530 Howard Street, Ste. 300 Date Extracted: 07/15/08 Client Contact: Mike Siembieda San Francisco, CA 94105 Client P.O.: Date Analyzed 07/18/08-07/19/08

MTBE and BTEX by GC/MS*

Extraction Method: SW5030B	Analytical Method: SW8260B					0807354
Lab ID	0807354-005A	0807354-006A	0807354-007A	0807354-008A		
Client ID	SB-7 6'-6.5'	SB-7 10'-10.5'	SB-7 14.5'-15'	SB-7 15.5'-16'	Reporting DF	
Matrix	S	S	S	S]	
DF	1	10	1	1	S	W
Compound		Conce	entration		mg/kg	ug/L
Benzene	ND	ND<0.050	ND	ND	0.005	NA
1,2-Dibromoethane (EDB)	ND	ND<0.040	ND	ND	0.004	NA
1,2-Dichloroethane (1,2-DCA)	ND	ND<0.040	ND	ND	0.004	NA
Ethylbenzene	ND	ND<0.050	ND	ND	0.005	NA
Methyl-t-butyl ether (MTBE)	ND	ND<0.050	ND	ND	0.005	NA
Toluene	ND	ND<0.050	ND	ND	0.005	NA
Xylenes	ND	ND<0.050	ND	ND	0.005	NA
	Surr	ogate Recoveries	s (%)			
%SS1:	90	88	90	90		
%SS2:	92	89	97	95		
%SS3:	90	82	98	96		
Comments		a3				

^{*} water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.



All West Environmental, Inc Client Project ID: #28074.23; Mandela Date Sampled: 07/14/08 Sub, Oakland Date Received: 07/15/08 530 Howard Street, Ste. 300 Date Extracted: 07/15/08 Client Contact: Mike Siembieda San Francisco, CA 94105 Client P.O.: Date Analyzed 07/18/08-07/19/08

MTBE and BTEX by GC/MS*

Extraction Method: SW5030B	Analytical Method: SW8260B					0807354
Lab ID	0807354-009A	0807354-011A	0807354-012A	0807354-013A		
Client ID	SB-7 19.5'-20'	SB-8 6'-6.5'	SB-8 9.5'-10'	SB-9 3'-3.5'	Reporting Limit f	
Matrix	S	S	S	S	1	
DF	1	1	1	1	S	W
Compound		Conce	entration		mg/kg	ug/L
Benzene	ND	ND	ND	ND	0.005	NA
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	0.004	NA
1,2-Dichloroethane (1,2-DCA)	ND	ND	ND	ND	0.004	NA
Ethylbenzene	ND	ND	ND	ND	0.005	NA
Methyl-t-butyl ether (MTBE)	ND	ND	ND	ND	0.005	NA
Toluene	ND	ND	ND	ND	0.005	NA
Xylenes	ND	ND	ND	ND	0.005	NA
	Surr	ogate Recoveries	s (%)			
%SS1:	89	88	88	89		
%SS2:	98	96	96	95		
%SS3:	100	99	98	93		
Comments						

^{*} water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.



All West Environmental, Inc Client Project ID: #28074.23; Mandela Date Sampled: 07/14/08 Sub, Oakland Date Received: 07/15/08 530 Howard Street, Ste. 300 Date Extracted: 07/15/08 Client Contact: Mike Siembieda San Francisco, CA 94105 Client P.O.: Date Analyzed 07/18/08-07/19/08

MTBE and BTEX by GC/MS*

MTBE and BTEX by GC/MS*									
Extraction Method: SW5030B	Anal	lytical Method: SW826	0B	Work Order:	0807354				
Lab ID	0807354-014A	0807354-015A	0807354-016A						
Client ID	SB-9 9.5'-10'	SB-10 3'-3.5'	SB-10 9.5'-10'		g Limit for F=1				
Matrix	S	S	S						
DF	1	1	1	S	W				
Compound		Conce	entration	mg/kg	ug/L				
Benzene	ND	ND	ND	0.005	NA				
1,2-Dibromoethane (EDB)	ND	ND	ND	0.004	NA				
1,2-Dichloroethane (1,2-DCA)	ND	ND	ND	0.004	NA				
Ethylbenzene	ND	ND	ND	0.005	NA				
Methyl-t-butyl ether (MTBE)	ND	ND	ND	0.005	NA				
Toluene	ND	ND	ND	0.005	NA				
Xylenes	ND	ND	ND	0.005	NA				
	Surrogate Recoveries (%)								
%SS1:	89	90	89						
%SS2:	98	98	95						
%SS3:	101	100	98						
Comments									

^{*} water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.



All West Environmental, Inc	Client Project ID: #28074.23; Mandela	Date Sampled: 07/14/08
530 Howard Street, Ste. 300	Sub, Oakland	Date Received: 07/15/08
	Client Contact: Mike Siembieda	Date Extracted: 07/15/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed: 07/17/08

Lead by ICP*

Extraction method: SW3050B Analytical methods: 6010C Work Order: 0807354

Lab ID	Client ID	Matrix	Extraction Type	Lead	DF	% SS
0807354-001A	SB-5 6'-6.5'	S	TOTAL	ND	1	98
0807354-002A	SB-5 9.5'-10'	S	TOTAL	ND	1	104
0807354-003A	SB-6 5.5'-6'	S	TOTAL	ND	1	101
0807354-004A	SB-6 9.5'-10'	S	TOTAL	ND	1	102
0807354-005A	SB-7 6'-6.5'	S	TOTAL	5.8	1	100
0807354-006A	SB-7 10'-10.5'	S	TOTAL	ND	1	106
0807354-007A	SB-7 14.5'-15'	S	TOTAL	ND	1	104
0807354-008A	SB-7 15.5'-16'	S	TOTAL	ND	1	103
0807354-009A	SB-7 19.5'-20'	S	TOTAL	ND	1	101
0807354-011A	SB-8 6'-6.5'	S	TOTAL	7.4	1	102
0807354-012A	SB-8 9.5'-10'	S	TOTAL	ND	1	103
0807354-013A	SB-9 3'-3.5'	S	TOTAL	240	1	102
0807354-014A	SB-9 9.5'-10'	S	TOTAL	5.2	1	104
0807354-015A	SB-10 3'-3.5'	S	TOTAL	ND	1	102

Reporting Limit for DF =1;	W	TOTAL	NA	μg/L
ND means not detected at or	9	TOTAI	5.0	mg/Kg
above the reporting limit	5	IOIAL	3.0	mg/Kg

*water samples are reported in μ g/L, product/oil/non-aqueous liquid samples and all TCLP / STLC / DISTLC / SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in μ g/wipe, filter samples in μ g/filter.

means surrogate diluted out of range; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

TOTAL = acid digestion.

WET = Waste Extraction Test (STLC).

DI WET = Waste Extraction Test using de-ionized water.

Angela Rydelius, Lab Manager

1534 Willow Pass Road, Pittsburg, CA 94565-1701 Web: www.mccampbell.com E-mail: main@mccampbell.com Telephone: 877-252-9262 Fax: 925-252-9269

All West Environmental, Inc	Client Project ID: #28074.23; Mandela Sub, Oakland	Date Sampled: 07/14/08
530 Howard Street, Ste. 300	Sub, Oakiand	Date Received: 07/15/08
,	Client Contact: Mike Siembieda	Date Extracted: 07/15/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed: 07/17/08

Lead by ICP*

Extraction method: SW3050B Analytical methods: 6010C Work Order: 0807354

Lab ID	Client ID	Matrix	Extraction Type	Lead	DF	% SS
0807354-016A	SB-10 9.5'-10'	S	TOTAL	ND	1	105
0807354-017A	SB-11 5.5'-6'	S	TOTAL	550	1	101
0807354-018A	SB-11 9.5'-10'	S	TOTAL	ND	1	98
0807354-019A	SB-12 5'-5.5'	S	TOTAL	ND	1	103
0807354-020A	SB-12 9.5'-10'	S	TOTAL	ND	1	104
0807354-021A	SB-13 5'-5.5'	S	TOTAL	ND	1	102
0807354-022A	SB-13 9.5'-10'	S	TOTAL	5.1	1	103
0807354-023A	SB-14 5'-5.5	S	TOTAL	ND	1	106
0807354-024A	SB-14 9.5'-10'	S	TOTAL	ND	1	101

Reporting Limit for DF =1;	W	TOTAL	NA	μg/L
ND means not detected at or	S	TOTAL	5.0	mg/Kg
above the reporting limit				88

^{*}water samples are reported in μ g/L, product/oil/non-aqueous liquid samples and all TCLP / STLC / DISTLC / SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in μ g/wipe, filter samples in μ g/filter.

means surrogate diluted out of range; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

TOTAL = acid digestion.

WET = Waste Extraction Test (STLC).

DI WET = Waste Extraction Test using de-ionized water.

Angela Rydelius, Lab Manager

1534 Willow Pass Road, Pittsburg, CA 94565-1701 Telephone: 877-252-9262 Fax: 925-252-9269

All West Environmental, Inc	Client Project ID: #28074.23; Mandela Sub, Oakland	Date Sampled: 07/14/08
530 Howard Street, Ste. 300	Sub, Oakiand	Date Received: 07/15/08
,	Client Contact: Mike Siembieda	Date Extracted: 07/15/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed: 07/16/08

Lead by ICP-MS*

Extraction method: E200.8 Analytical methods: E200.8 Work Order: 0807354

Extraction inclinds. E200.8			ctilous. E200.6	•	WOLK Older. 0807334		
Lab ID	Client ID	Matrix	Extraction Type	Lead	DF	% SS	
0807354-010C	W-SB-7	W	DISS.	ND	1	N/A	

Reporting Limit for DF =1; ND means not detected at or	W	DISS.	0.5	μg/L
ND means not detected at or	S	TOTAI	NΑ	mg/Kg
above the reporting limit		TOTAL	NA.	mg/Kg

^{*}water samples are reported in µg/L, product/oil/non-aqueous liquid samples and all TCLP / STLC / DISTLC / SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in μ g/wipe, filter samples in μ g/filter.

means surrogate diluted out of range; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

TOTAL = acid digestion.

WET = Waste Extraction Test (STLC).

DI WET = Waste Extraction Test using de-ionized water.



McCampbell Analytical, Inc.

"When Ouality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701 Web: www.mccampbell.com E-mail: main@mccampbell.com Telephone: 877-252-9262 Fax: 925-252-9269

All West Environmental, Inc

Client Project ID: #28074.23; Mandela
Sub, Oakland

Date Sampled: 07/14/08

Date Received: 07/15/08

Client Contact: Mike Siembieda

Date Extracted: 07/15/08

Client P.O.:

Date Analyzed: 07/15/08-07/18/08

Total Extractable Petroleum Hydrocarbons*

Extraction method: SW3510C/SW3550C Analytical methods: SW8015C Work Order: 0807354

Extraction method:	tion method: SW3510C/SW3550C Analytical methods: SW8015C Work C					
Lab ID	Client ID	Matrix	TPH-Diesel (C10-C23)	TPH-Motor Oil (C18-C36)	DF	% SS
0807354-001A	SB-5 6'-6.5'	S	ND	ND	1	81
0807354-002A	SB-5 9.5'-10'	S	ND	ND	1	83
0807354-003A	SB-6 5.5'-6'	S	3.8,e2	ND	1	82
0807354-004A	SB-6 9.5'-10'	S	ND	ND	1	83
0807354-005A	SB-7 6'-6.5'	S	ND	ND	1	97
0807354-006A	SB-7 10'-10.5'	S	3900,e1	1400	50	109
0807354-007A	SB-7 14.5'-15'	S	2.0,e2	ND	1	113
0807354-008A	SB-7 15.5'-16'	S	11,e1	5.3	1	111
0807354-009A	SB-7 19.5'-20'	S	ND	ND	1	113
0807354-010A	W-SB-7	W	380,000,e1,b6,b1	130,000	100	83
0807354-011A	SB-8 6'-6.5'	S	ND	ND	1	113
0807354-012A	SB-8 9.5'-10'	S	230,e1	71	1	113
0807354-013A	SB-9 3'-3.5'	S	ND	ND	1	101
0807354-014A	SB-9 9.5'-10'	S	ND	ND	1	102
0807354-015A	SB-10 3'-3.5'	S	ND	ND	1	102

Reporting Limit for DF =1;	W	50	250	μg/L
ND means not detected at or	2	1.0	5.0	mg/Kg
above the reporting limit	5	1.0	3.0	mg/Kg

^{*} water samples are reported in μ g/L, wipe samples in μ g/wipe, soil/solid/sludge samples in mg/kg, product/oil/non-aqueous liquid samples in mg/L, and all DISTLC / STLC / SPLP / TCLP extracts are reported in μ g/L.

- +The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation:
- b1) aqueous sample that contains greater than ~1 vol. % sediment
- b6) lighter than water immiscible sheen/product is present
- e1) unmodified or weakly modified diesel is significant
- e2) diesel range compounds are significant; no recognizable pattern
- e7) oil range compounds are significant

[#] cluttered chromatogram resulting in coeluted surrogate and sample peaks, or; surrogate peak is on elevated baseline, or; surrogate has been diminished by dilution of original extract.

All West Environmental, Inc	Client Project ID: #28074.23; Mandela	Date Sampled: 07/14/08
530 Howard Street, Ste. 300	Sub, Oakland	Date Received: 07/15/08
	Client Contact: Mike Siembieda	Date Extracted: 07/15/08
San Francisco, CA 94105	Client P.O.:	Date Analyzed: 07/15/08-07/18/08

Total Extractable Petroleum Hydrocarbons*

Extraction method: SW3510C/SW3550C Analytical methods: SW8015C Work Order: 0807354

Extraction method: 5 W		1 Indi y tredi	7 marytrear methods. B W 6613C			Work Order: 0007554		
Lab ID	Client ID	Matrix	TPH-Diesel (C10-C23)	TPH-Motor Oil (C18-C36)	DF	% SS		
0807354-016A	SB-10 9.5'-10'	S	ND	ND	1	102		
0807354-017A	SB-11 5.5'-6'	S	ND,e7	5.7	1	102		
0807354-018A	SB-11 9.5'-10'	S	ND	ND	1	100		
0807354-019A	SB-12 5'-5.5'	S	ND	ND	1	108		
0807354-020A	SB-12 9.5'-10'	S	ND	ND	1	107		
0807354-021A	SB-13 5'-5.5'	S	ND	ND	1	107		
0807354-022A	SB-13 9.5'-10'	S	ND	ND	1	107		
0807354-023A	SB-14 5'-5.5	S	ND	ND	1	100		
0807354-024A	SB-14 9.5'-10'	S	ND	ND	1	105		

Reporting Limit for DF =1;	W	50	250	μg/L
ND means not detected at or	S	1.0	5.0	mg/Kg
above the reporting limit		1.0	3.0	1116/116

^{*} water samples are reported in µg/L, wipe samples in µg/wipe, soil/solid/sludge samples in mg/kg, product/oil/non-aqueous liquid samples in mg/L, and all DISTLC / STLC / SPLP / TCLP extracts are reported in µg/L.

cluttered chromatogram resulting in coeluted surrogate and sample peaks, or; surrogate peak is on elevated baseline, or; surrogate has been diminished by dilution of original extract.

- +The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation:
- b1) aqueous sample that contains greater than ~1 vol. % sediment
- b6) lighter than water immiscible sheen/product is present
- e1) unmodified or weakly modified diesel is significant
- e2) diesel range compounds are significant; no recognizable pattern
- e7) oil range compounds are significant

QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Soil QC Matrix: Soil BatchID: 36950 WorkOrder 0807354

EPA Method SW8260B	Extra	ction SW	5030B					,	Spiked Sa	mple IE): 0807354 -	024
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acce	eptance	Criteria (%))
, mary to	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
tert-Amyl methyl ether (TAME)	ND	0.050	105	106	0.611	90.4	89.1	1.40	60 - 130	30	60 - 130	30
Benzene	ND	0.050	93.1	91.3	1.97	107	106	0.989	60 - 130	30	60 - 130	30
t-Butyl alcohol (TBA)	ND	0.25	92.1	93.2	1.18	84.7	81.9	3.34	60 - 130	30	60 - 130	30
Chlorobenzene	ND	0.050	96.6	96	0.606	111	110	1.64	60 - 130	30	60 - 130	30
1,2-Dibromoethane (EDB)	ND	0.050	108	109	0.941	113	111	1.64	60 - 130	30	60 - 130	30
1,2-Dichloroethane (1,2-DCA)	ND	0.050	101	101	0	126	126	0	60 - 130	30	60 - 130	30
Diisopropyl ether (DIPE)	ND	0.050	108	107	0.786	91.2	90.5	0.816	60 - 130	30	60 - 130	30
Ethyl tert-butyl ether (ETBE)	ND	0.050	109	109	0	107	106	1.07	60 - 130	30	60 - 130	30
Methyl-t-butyl ether (MTBE)	ND	0.050	106	107	1.25	106	105	0.859	60 - 130	30	60 - 130	30
Toluene	ND	0.050	98.5	97.7	0.773	104	102	2.01	60 - 130	30	60 - 130	30
Trichloroethene	ND	0.050	110	108	1.16	111	110	0.594	60 - 130	30	60 - 130	30
%SS1:	89	0.12	98	98	0	110	111	0.298	70 - 130	30	70 - 130	30
%SS2:	91	0.12	103	104	0.898	97	97	0	70 - 130	30	70 - 130	30
%SS3:	81	0.12	103	104	1.00	98	98	0	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions: NONE

BATCH 36950 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0807354-017A	07/14/08	07/15/08	07/18/08 2:39 PM	0807354-018A	07/14/08	07/15/08	07/18/08 3:21 PM
0807354-019A	07/14/08	07/15/08	07/18/08 4:03 PM	0807354-020A	07/14/08	07/15/08	07/18/08 4:44 PM
0807354-021A	07/14/08	07/15/08	07/18/08 5:28 PM	0807354-022A	07/14/08	07/15/08	07/18/08 6:11 PM
0807354-023A	07/14/08	07/15/08	07/18/08 6:54 PM	0807354-024A	07/14/08	07/15/08	07/18/08 7:37 PM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

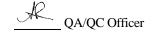
% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = <math>100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.



QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Water QC Matrix: Water BatchID: 36908 WorkOrder 0807354

EPA Method SW8260B	EPA Method SW8260B Extraction SW5030B Spiked Sample ID: 0807311-002											002
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acc	eptance	Criteria (%)	١
7 mary to	μg/L	μg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
tert-Amyl methyl ether (TAME)	ND	10	90.5	90.6	0.0840	110	110	0	70 - 130	30	70 - 130	30
Benzene	3.5	10	105	104	0.467	114	111	3.02	70 - 130	30	70 - 130	30
t-Butyl alcohol (TBA)	ND	50	82.4	85.1	3.22	91.3	94.7	3.65	70 - 130	30	70 - 130	30
Chlorobenzene	ND	10	108	109	1.19	93.5	90.6	3.18	70 - 130	30	70 - 130	30
1,2-Dibromoethane (EDB)	ND	10	109	110	1.29	98.5	99	0.534	70 - 130	30	70 - 130	30
1,2-Dichloroethane (1,2-DCA)	ND	10	88.3	87.3	1.14	121	120	0.480	70 - 130	30	70 - 130	30
1,1-Dichloroethene	ND	10	91.6	90.5	1.23	108	101	6.12	70 - 130	30	70 - 130	30
Diisopropyl ether (DIPE)	ND	10	83.2	82.5	0.839	128	126	1.17	70 - 130	30	70 - 130	30
Ethyl tert-butyl ether (ETBE)	ND	10	90.4	90.6	0.149	124	122	1.06	70 - 130	30	70 - 130	30
Methyl-t-butyl ether (MTBE)	4.1	10	100	101	0.538	119	118	0.665	70 - 130	30	70 - 130	30
Toluene	ND	10	96.8	96.9	0.129	95.8	91.7	4.41	70 - 130	30	70 - 130	30
Trichloroethene	ND	10	121	121	0	106	100	5.20	70 - 130	30	70 - 130	30
%SS1:	102	25	108	107	0.261	103	102	0.304	70 - 130	30	70 - 130	30
% SS2:	104	25	100	101	0.394	97	96	0.690	70 - 130	30	70 - 130	30
%SS3:	123	25	93	92	1.08	110	113	2.57	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 36908 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed	
0807354-010B	07/14/03	8 07/19/08	07/19/08 12:05 PM					

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

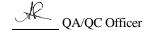
% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = <math>100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.



QC SUMMARY REPORT FOR E200.8

W.O. Sample Matrix: Water QC Matrix: Water BatchID: 36909 WorkOrder 0807354

EPA Method E200.8	Extra	ction E20	8.0					;	Spiked Sa	mple ID): 0807084-	004B
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acce	eptance	Criteria (%)	
	μg/L	μg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Lead	0.81	10	89.1	90.4	1.32	97.8	98	0.235	70 - 130	20	80 - 120	20
%SS:	94	750	93	95	1.62	93	94	0.528	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions: NONE

BATCH 36909 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0807354-010C	07/14/0	8 07/15/08	07/16/08 1:06 AM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = <math>100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not applicable to this method.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

QA/QC Officer

QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Soil QC Matrix: Soil BatchID: 36966 WorkOrder 0807354

EPA Method SW8015Cm Extraction SW5030B Spiked Sample ID: 0807373-010												010
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	CSD Acceptance Criteria (%)			
Analyte	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(btex [£]	ND	0.60	94.9	104	9.47	96.5	95.2	1.25	70 - 130	20	70 - 130	20
MTBE	ND	0.10	90.2	87.9	2.58	101	100	0.558	70 - 130	20	70 - 130	20
Benzene	ND	0.10	94.9	93.1	1.93	89.6	92.4	3.14	70 - 130	20	70 - 130	20
Toluene	ND	0.10	84	81.8	2.72	88.2	91.7	3.97	70 - 130	20	70 - 130	20
Ethylbenzene	ND	0.10	92.4	88.2	4.59	94.3	96.8	2.62	70 - 130	20	70 - 130	20
Xylenes	ND	0.30	86.9	84.2	3.17	105	108	3.25	70 - 130	20	70 - 130	20
%SS:	79	0.10	97	94	2.16	102	91	11.6	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 36966 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0807354-017A	07/14/08	07/17/08	07/23/08 12:41 PM	0807354-018A	07/14/08	07/17/08	07/18/08 3:02 PM
0807354-019A	07/14/08	07/17/08	07/18/08 2:14 PM	0807354-020A	07/14/08	07/17/08	07/18/08 1:41 PM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = <math>100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = matrix interference and/or analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Soil QC Matrix: Soil BatchID: 37003 WorkOrder 0807354

EPA Method SW8015Cm Extraction SW5030B Spiked Sample ID: 0807354-024												024
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acce	eptance	Criteria (%)	
/ way to	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(btex [£]	ND	0.60	108	101	7.51	104	104	0	70 - 130	20	70 - 130	20
MTBE	ND	0.10	102	107	5.39	111	112	1.13	70 - 130	20	70 - 130	20
Benzene	ND	0.10	101	98	2.58	98.5	101	2.07	70 - 130	20	70 - 130	20
Toluene	ND	0.10	89.3	87.2	2.46	88	88.8	0.916	70 - 130	20	70 - 130	20
Ethylbenzene	ND	0.10	99.9	96.3	3.70	98.6	99	0.414	70 - 130	20	70 - 130	20
Xylenes	ND	0.30	98.7	97.3	1.42	96	98	2.05	70 - 130	20	70 - 130	20
%SS:	86	0.10	88	90	2.24	90	86	4.48	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 37003 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0807354-021A	07/14/08	3 07/17/08	07/18/08 5:36 PM	0807354-022A	07/14/08	07/17/08	07/18/08 4:35 PM
0807354-023A	07/14/08	3 07/17/08	07/18/08 4:04 PM	0807354-024A	07/14/08	07/17/08	07/18/08 5:06 PM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = matrix interference and/or analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

QC SUMMARY REPORT FOR SW8015C

W.O. Sample Matrix: Water QC Matrix: Water BatchID: 36887 WorkOrder 0807354

EPA Method SW8015C	Extra	3510C				Spiked Sample ID: N/A						
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acce	eptance	Criteria (%)	
	μg/L	μg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH-Diesel (C10-C23)	N/A	1000	N/A	N/A	N/A	105	106	0.409	N/A	N/A	70 - 130	30
%SS:	N/A	2500	N/A	N/A	N/A	108	107	0.932	N/A	N/A	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions: NONE

BATCH 36887 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0807354-010A	07/14/08	8 07/15/08	07/18/08 10:35 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = <math>100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

QA/QC Officer

QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Soil QC Matrix: Soil BatchID: 36925 WorkOrder 0807354

EPA Method SW8260B	Extra	ction SW	5030B						Spiked Sa	mple IC): 0807330-	012
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acce			
7 mary to	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Benzene	ND	0.050	108	108	0	102	105	3.09	60 - 130	30	60 - 130	30
Methyl-t-butyl ether (MTBE)	ND	0.050	110	109	0.897	104	105	0.626	60 - 130	30	60 - 130	30
Toluene	ND	0.050	104	107	2.60	80.3	81.7	1.74	60 - 130	30	60 - 130	30
%SS1:	91	0.12	111	109	1.21	98	99	0.899	70 - 130	30	70 - 130	30
%SS2:	95	0.12	96	96	0	99	98	1.03	70 - 130	30	70 - 130	30
%SS3:	96	0.12	92	92	0	105	107	1.63	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions: NONE

BATCH 36925 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0807354-001A	07/14/08	07/15/08	07/19/08 8:17 AM	0807354-002A	07/14/08	07/15/08	07/18/08 11:10 PM
0807354-003A	07/14/08	07/15/08	07/18/08 11:52 PM	0807354-004A	07/14/08	07/15/08	07/19/08 12:34 AM
0807354-005A	07/14/08	07/15/08	07/19/08 1:16 AM	0807354-006A	07/14/08	07/15/08	07/19/08 1:58 AM
0807354-007A	07/14/08	07/15/08	07/19/08 2:40 AM	0807354-008A	07/14/08	07/15/08	07/19/08 3:22 AM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

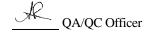
% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = <math>100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.



QC SUMMARY REPORT FOR SW8015C

W.O. Sample Matrix: Soil QC Matrix: Soil BatchID: 36947 WorkOrder 0807354

EPA Method SW8015C	Extra	ction SW	3550C					;	Spiked Sa	mple ID): 0807354-	021
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acce	eptance	Criteria (%))
7 may to	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH-Diesel (C10-C23)	ND	20	97	97.7	0.729	104	104	0	70 - 130	30	70 - 130	30
%SS:	107	50	107	108	0.613	115	115	0	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions: NONE

BATCH 36947 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0807354-001A	07/14/08	07/15/08	07/16/08 12:31 AM	0807354-002A	07/14/08	07/15/08	07/16/08 1:37 AM
0807354-003A	07/14/08	07/15/08	07/16/08 2:43 AM	0807354-004A	07/14/08	07/15/08	07/16/08 3:49 AM
0807354-005A	07/14/08	07/15/08	07/16/08 8:57 PM	0807354-006A	07/14/08	07/15/08	07/16/08 5:20 PM
0807354-007A	07/14/08	07/15/08	07/16/08 1:37 AM	0807354-008A	07/14/08	07/15/08	07/16/08 2:43 AM
0807354-009A	07/14/08	07/15/08	07/16/08 3:49 AM	0807354-011A	07/14/08	07/15/08	07/16/08 7:06 AM
0807354-012A	07/14/08	07/15/08	07/16/08 8:12 AM	0807354-013A	07/14/08	07/15/08	07/15/08 11:23 PM
0807354-014A	07/14/08	07/15/08	07/16/08 12:31 AM	0807354-015A	07/14/08	07/15/08	07/16/08 3:55 AM
0807354-016A	07/14/08	07/15/08	07/16/08 5:03 AM	0807354-017A	07/14/08	07/15/08	07/16/08 6:11 AM
0807354-018A	07/14/08	07/15/08	07/16/08 8:31 AM	0807354-019A	07/14/08	07/15/08	07/16/08 3:55 AM
0807354-020A	07/14/08	07/15/08	07/16/08 5:03 AM	0807354-021A	07/14/08	07/15/08	07/16/08 6:11 AM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = <math>100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

QA/QC Officer

QC SUMMARY REPORT FOR SW8015C

W.O. Sample Matrix: Soil QC Matrix: Soil BatchID: 36948 WorkOrder 0807354

EPA Method SW8015C	3550C					;	Spiked Sa	mple IC): 0807354 -	024		
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acce	eptance	Criteria (%)	
7 mary to	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH-Diesel (C10-C23)	ND	20	96.6	97.2	0.537	105	97.8	6.67	70 - 130	30	70 - 130	30
%SS:	105	50	106	107	1.24	103	108	4.32	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions: NONE

BATCH 36948 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0807354-022A	07/14/08	3 07/15/08	07/16/08 7:19 AM	0807354-023A	07/14/08	07/15/08	07/16/08 9:41 AM
0807354-024A	07/14/08	3 07/15/08	07/16/08 9:41 AM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = <math>100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

QA/QC Officer

QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Soil QC Matrix: Soil BatchID: 36950 WorkOrder 0807354

EPA Method SW8260B Extraction SW5030B Spiked Sample ID: 0807354-024											024	
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acce	eptance	Criteria (%)	١
ruidiyto	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Benzene	ND	0.050	93.1	91.3	1.97	107	106	0.989	60 - 130	30	60 - 130	30
Methyl-t-butyl ether (MTBE)	ND	0.050	106	107	1.25	106	105	0.859	60 - 130	30	60 - 130	30
Toluene	ND	0.050	98.5	97.7	0.773	104	102	2.01	60 - 130	30	60 - 130	30
%SS1:	89	0.12	98	98	0	110	111	0.298	70 - 130	30	70 - 130	30
%SS2:	91	0.12	103	104	0.898	97	97	0	70 - 130	30	70 - 130	30
%SS3:	81	0.12	103	104	1.00	98	98	0	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions: NONE

BATCH 36950 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0807354-009A	07/14/08	07/15/08	07/19/08 4:04 AM	0807354-011A	07/14/08	07/15/08	07/19/08 4:46 AM
0807354-012A	07/14/08	07/15/08	07/19/08 5:29 AM	0807354-013A	07/14/08	07/15/08	07/18/08 1:52 PM
0807354-014A	07/14/08	07/15/08	07/19/08 6:11 AM	0807354-015A	07/14/08	07/15/08	07/19/08 6:53 AM
0807354-016A	07/14/08	07/15/08	07/19/08 7:35 AM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

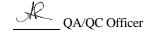
% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.



QC SUMMARY REPORT FOR 6010C

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder 0807354

EPA Method 60	10C			Extracti	on SW3050)B	В	atchID: 36	6944	Spiked Sample ID 0807352-001A			
Analyte	Spiked	MS	MSD	MS-MSD	Spiked	LCS	LCSD	LCS-LCSD	Acce	eptance	e Criteria (%)	
7 11 1017 10	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	mg/Kg	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Lead	47	50	90	86.5	1.95	10	89.5	107	17.4	75 - 125	20	80 - 120	20
%SS:	105	250	105	103	1.72	250	103	100	2.94	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions: NONE

BATCH 36944 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0807354-001A	07/14/0	8 07/15/08	07/17/08 1:55 PM	0807354-002A	07/14/08	3 07/15/08	07/17/08 1:57 PM
0807354-003A	07/14/0	07/15/08	07/17/08 1:59 PM	0807354-004A	07/14/08	3 07/15/08	07/17/08 2:01 PM
0807354-005A	07/14/0	07/15/08	07/17/08 2:04 PM	0807354-006A	07/14/08	3 07/15/08	07/17/08 2:06 PM
0807354-007A	07/14/0	07/15/08	07/17/08 2:09 PM	0807354-008A	07/14/08	3 07/15/08	07/17/08 2:11 PM
0807354-009A	07/14/0	07/15/08	07/17/08 2:13 PM	0807354-011A	07/14/08	3 07/15/08	07/17/08 2:15 PM
0807354-012A	07/14/0	07/15/08	07/17/08 2:22 PM	0807354-013A	07/14/08	3 07/15/08	07/17/08 2:24 PM
0807354-014A	07/14/0	07/15/08	07/17/08 2:27 PM	0807354-015A	07/14/08	3 07/15/08	07/17/08 2:29 PM
0807354-016A	07/14/0	07/15/08	07/17/08 2:31 PM	0807354-017A	07/14/08	3 07/15/08	07/17/08 2:34 PM
0807354-018A	07/14/0	07/15/08	07/17/08 2:36 PM	0807354-019A	07/14/08	3 07/15/08	07/17/08 2:38 PM
0807354-020A	07/14/0	8 07/15/08	07/17/08 2:41 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = <math>100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not applicable to this method.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.



QC SUMMARY REPORT FOR 6010C

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder 0807354

EPA Method 60)10C			Extracti	on SW305)B	В	atchID: 30	6951	Spiked Sample ID 0807354-024A			
Analyte Sample Spike			MS MSD MS-MSD S			Spiked	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
7 mary to	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	mg/Kg	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Lead	ND	50	98.7	108	9.18	10	111	109	2.31	75 - 125	20	80 - 120	20
%SS:	101	250	100	102	2.42	250	100	103	3.19	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions: NONE

BATCH 36951 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	I Date Analyzed
0807354-021A	07/14/0	08 07/15/08	07/17/08 2:43 PM	0807354-022A	07/14/08	3 07/15/08	07/17/08 2:50 PM
0807354-023A	07/14/0	08 07/15/08	07/17/08 2:52 PM	0807354-024A	07/14/08	3 07/15/08	07/17/08 12:27 PM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not applicable to this method.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

